SANTA CLARITA COMMUNITY COLLEGE DISTRICT

College of the Canyons

2026 – 2027 CATALOG













Bachelor of Science in Building Performance

Build skills for a sustainable future

Catalog designed by College of the Canyons Graphic Design Center.

2026-2027
A California Community College

Accredited by
The Western Association of Schools and Colleges
Accrediting Commission for Community & Junior Colleges
331 J Street, Suite 200
Sacramento, CA 95814
(415) 506.0234

Approved by
The Board of Governors of the California Community Colleges
The California Department of Education
The University of California
The California State Universities

Approved for
The training of U.S. veterans and other eligible persons

COLLEGE OF THE CANYONS

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(661) 259-7800
www.canyons.edu

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Accuracy Statement

The Santa Clarita Community College District and College of the Canyons have made every reasonable effort to determine that everything stated in this catalog is accurate. Courses and programs offered, together with other matters contained herein, are subject to changes without notice by the administration of the College for reasons related to student enrollment, level of financial support, or for any other reason at the discretion of the College. The College further reserves the right to add, to amend, or repeal any of the rules, regulations, policies and procedures, consistent with applicable laws.

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Dear Students,

At College of the Canyons, we believe education has the power to transform lives, strengthen communities, and create opportunity for every student who walks through our doors. Whether you are beginning college for the first time, returning to continue your education, preparing for transfer, building new career skills, or exploring a new path entirely, we are honored you have chosen to be part of our college community.

College is more than earning units or completing a degree. It is about growth, discovery, connection, and the confidence that comes from realizing what is possible for your future. At College of the Canyons, you will find faculty and staff who are deeply committed to your success and who care about supporting you both inside and outside the classroom.

We are proud to offer more than 290 academic and career education programs designed to meet the evolving needs of students and our region. From transfer preparation and workforce training to hands-on career education and lifelong learning opportunities, our programs are built to help students achieve meaningful goals and succeed in a rapidly changing world.

As industries continue to evolve, College of the Canyons remains focused on preparing students for high-demand careers that strengthen our local and regional workforce. Our growing healthcare programs, innovative career education pathways, and continued development of the Advanced Technology Center reflect our commitment to providing students with modern, industry-informed learning opportunities that lead directly to career advancement and economic mobility.

We also remain committed to making higher education accessible and affordable. Through programs such as Canyons Promise, Zero Textbook Cost courses, financial aid, and the Basic Needs Center, we work to ensure students have the support and resources necessary to stay focused on their educational goals.

Beyond academics, College of the Canyons is a vibrant and welcoming community. Students are encouraged to become involved through clubs and organizations, alliances, student leadership opportunities, athletics, cultural programs, and spaces like our Intercultural Center, where students can build connection, find support, and celebrate the diversity that enriches our college.

Most importantly, we want every student to know this: you belong here.

Your experiences, perspectives, talents, and aspirations matter, and we are committed to helping you reach your goals. We know the path through higher education is not always easy, but you will not walk it alone. Our college community is here to support, encourage, and celebrate you every step of the way.

On behalf of the entire College of the Canyons community, welcome. We look forward to being part of your journey and celebrating all that you will accomplish in the year ahead.

In partnership,



Jasmine Ruys, Ed.D.
Superintendent/President
College of the Canyons

Mission Statement

College of the Canyons delivers an accessible, holistic education for students to earn a baccalaureate degree, associate degrees, certificates, and credentials, to prepare for transfer, and to attain workforce skills. The College champions diversity, equity, inclusion, and global responsibility, while providing clear pathways in an engaging, supportive environment where all students can successfully achieve their educational goals.

Vision Statement

College of the Canyons is dedicated to being a leading two-year college, recognized locally, regionally, statewide and nationally for technical advancement, institutional effectiveness, student support, model academic and professional programs, excellence in teaching and learning, fostering a broad range of community partnerships, maximizing student access, and for the sense of community that we provide to our students and staff.

Philosophy

We believe in the following values:

- **Teaching and Learning** – We honor and reward high performance in teaching and learning.
- **Respect for All People** – We foster a climate characterized by civility, collegiality and acceptance. We expect honesty, integrity, social responsibility and ethical behavior.
- **Partnership with Community** – We create relationships providing the foundation of success for chosen current and future partnerships with local schools, colleges and universities, businesses, government, and social agencies. These partnerships advance the educational, intellectual, artistic, civic, cultural, and economic aspirations of our surrounding community.
- **Excellence** – We set the highest standards for ourselves and support the professional development of faculty, staff and administrators.
- **Creativity and Innovation** – We are an innovative and creative community college. We encourage members of the college community to be entrepreneurial, forward thinking, creative, persistent, spontaneous and welcome changes that will enhance the college's ability to fulfill its mission.

Strategic Goals: Access, Engagement and Success

Foundational Institutional Commitments

- **Teaching and Learning –** College of the Canyons will provide a positive environment and necessary resources to support excellent teaching, student learning, and the completion of students' goals including attaining degrees and certificates and transfer.
- **Student Support –** College of the Canyons will provide student support to facilitate equitable student success and maximize opportunity for all students.
- **Cultural Diversity –** College of the Canyons will promote, encourage, and celebrate the diversity of students and staff in our campus community.
- **Human Resources –** College of the Canyons will select and develop high-quality staff.
- **Institutional Advancement –** College of the Canyons will generate support, resources, networks and information to enhance the college's success.
- **Institutional Effectiveness –** College of the Canyons will use outcomes data on progress being made towards college goals – including student learning outcomes, administrative unit outcomes, and other accountability measures – on a regular basis to inform planning and decisions.
- **Financial Stability –** College of the Canyons will provide support, direction and oversight for all district financial resources to ensure fiscal compliance, proper accounting and positive audits and develop financial resources to maintain and improve programs and services consistent with institutional commitments (mission, goals, and objectives) and in alignment with our enrollment management plans.
- **Technological Advancement –** College of the Canyons will utilize state-of-the-art technologies to enhance programs, services and operations.
- **Physical Resources –** College of the Canyons will provide facilities that are clean, efficient, safe, and aesthetically pleasing to support College programs and services.
- **Innovation –** College of the Canyons will dare to dream and make it happen!
- **Campus Climate –** College of the Canyons will enhance and support a sense of community and cooperation on campus.
- **Leadership –** College of the Canyons will assert its leadership to increase educational, economic, and cultural opportunities for the community including businesses, industry, arts groups, and community-based organizations in the region.

2026-2027 Academic Calendar

❒ FALL 2026

August	Professional Development Week *(FLEX, Employees Only)*	August 14-20 (Friday – Thursday)
	Mandatory Opening Day *(Employees Only)*	August 21 (Friday)
	First Day of Fall Semester	August 24 (Monday)
September	Labor Day Holiday	September 7 (Monday)
November	Veterans Day Holiday *(Observed and Actual)*	November 11 (Wednesday)
	Thanksgiving Day Holidays	November 26-29 (Thursday – Sunday)
December	Last Day of Fall Semester	December 12 (Saturday)
	Campus Closed	TBD

❒ WINTER INTERSESSION 2027

January	New Year's Holiday	January 1 (Friday)
	First Day of Winter Term	January 4 (Monday)
	Martin Luther King Jr. Holiday	January 18 (Monday)
February	Professional Development Week *(FLEX, Employees Only)*	February 1-5 (Monday to Friday)
	Last Day of Winter Term	February 6 (Saturday, 5 Weeks)

❒ SPRING 2027

February	First Day of Spring Semester	February 8 (Monday)
	Lincoln/Washington Holidays	February 12-15 (Friday – Monday)
April	Spring Break	April 5-11 (Monday – Sunday)
May	Memorial Day Holiday	May 31 (Monday)
	Last Day of Spring Semester	June 3 (Thursday)
	Commencement Ceremony	June 4 (Friday)

❒ SUMMER 2027

June	Start of Summer Session	June 7 (Monday)
	Juneteenth	June 18-19 (Friday – Saturday)
July	Independence Day	July 4-5 (Sunday – Monday)
August	Last Day of Summer Session	August 14 (Saturday)



57 YEARS OF OPPORTUNITY & INNOVATION

The History of College of the Canyons

The first classes at College of the Canyons met in 1969, but our history began two years earlier. That's when the citizens of the Santa Clarita Valley decided it was time to have a college to call their own. On Nov. 21, 1967, local voters transformed the idea into reality by overwhelmingly supporting the proposal to create a two-year public college. They also elected a five-member board of trustees to oversee it. William Bonelli, Edward Muhl, Peter Huntsinger, Bruce Fortine, and Sheila Dyer were chosen from a field of 41 candidates.

Taking the helm of California's newest community college was Dr. Robert Rockwell, who previously served as president of Santa Barbara City College. It took two years for Rockwell to build a team and create a college from the ground up. Ambitious ideas were forged into a workable plan, faculty and staff were hired, curriculum was developed, and preparations were made to open the college before it even had a campus to call its own.

The College Debuts

College of the Canyons debuted with the help of Hart High School, which contributed a modest, nondescript bungalow at its Newhall campus for the college's inaugural year. That's where the college held its first classes – starting Sept. 29, 1969 – for the 735 students who enrolled for the 1969/70 academic year. The class schedule was limited because classes could not meet until late afternoon, when high school students had left for the day. As the first year came to a close, the college held its first and only commencement ceremony at Hart High to honor its first class of 16 graduates.

Rockwell's plan accelerated with the purchase of 153 acres of prime property in the then-new master-planned community of Valencia. Here, in the first summer of the new decade, architects envisioned the future, earthmovers began reshaping the terrain, and an assortment of temporary modular buildings was assembled. The first classes at the Valencia campus began on Oct. 5, 1970.

Fast-Forward to Today

After 57 years, the contrast between then and now is striking. College of the Canyons now serves nearly 41,000 students per year on two campuses – in Valencia and Canyon Country – and is regarded as one of the most innovative community colleges in the nation. Providing cutting-edge educational and training programs, the college is widely recognized as a model community college for enhancing student access, success, and equity. Recent recognition includes:

- A Carnegie Community Engagement Classification for the college's commitment to community engagement. College of the Canyons was the only community college in California to receive the distinction.
- A Champion Award for excelling in equitable course placement in English enrollment, Latinx English enrollment, and Black English enrollment.
- Recognition as one of the top two-year colleges in the nation for enrolling the largest number of Hispanic students in consecutive years.
- An Equity Champion Award for being one of California's leading community colleges to support Latinx students on the associate degree for transfer pathway.
- One of America's Best Colleges for Student Voting for inspiring students to vote and encouraging them to participate in civic matters.

- Champion of Higher Education awards for significantly increasing the number of students earning associate degrees for transfer.
- The prestigious Bellwether Award for its innovative approach to assessment and course sequence redesign in English and mathematics, which paved the way for groundbreaking legislation that benefits community college students statewide.
- A statewide ranking of 14th best community college for return on investment, with students recouping out-of-pocket expenses in an average 2.5 months.
- Completion rates that rank among the highest in California, and one of the top transfer institutions in Los Angeles County.

The college has also established a reputation for bolstering economic development and offering innovative career technical education programs that put students on the path to success.

College of the Canyons owes its success to an equally dynamic and historically supportive community, as well as the vision of college leadership to build the finest and most-innovative community college anywhere.

Exceeding Demands

Passage of the $230 million Measure E bond in 2016 continues to help the college meet future needs, as well as leverage state resources for facilities at both campuses. Current and future facilities not only address the urgent needs of today, they also signify a longstanding commitment by college leadership and the Board of Trustees to create the infrastructure necessary to provide relevant, cutting-edge educational and training programs well into the future.

The Canyon Country campus, for example, has undergone a dramatic transformation with the addition of two major educational facilities. The 55,000-square-foot Student Services & Learning Resources Center debuted in 2023. It joined the similarly sized and designed Takeda Science Center, which opened two years earlier and was named for retired, longtime biology instructor Don Takeda. Located in the center of campus, the new buildings are separated by an expansive outdoor terrace and amphitheater.

Educational Expansion

The college's academic and occupational offerings have grown significantly over the years. The college now offers 318 degree and certificate programs – 107 associate degree programs, 211 workforce-training certificate programs, and a Bachelor of Science program in Building Performance. The bachelor's program – a first for the college – debuted in 2025 and graduated its first class in 2026. Expanding transfer options are 32 associate degree programs that provide guaranteed transfer to the California State University system.

The introduction of four new healthcare programs will prepare students for careers in fast-growing fields. Programs for Physical Therapist Assistant, Pharmacy Technology, and Diagnostic Medical Sonography launched in 2025, and the Occupational Therapy Assistant program is expected to debut in the fall of 2026.

New equipment and training options – such as an eight-course milling and tooling pathway certificate program – continue to expand the capabilities of the interim Advanced Technology Center. The need for a more comprehensive center is clear, and the college has prioritized plans to build the permanent Advanced Technology Center at the Valencia campus. This flagship workforce development initiative will include a full complement of programs in robotics, mechatronics, integrated advanced manufacturing, laser welding, milling and tooling, and CNC machining. When completed, it will equip students for careers in high-tech fields, keep local companies at the forefront of their industries, and enhance the community's economic vitality.

Regardless of their chosen major, College of the Canyons students consistently obtain the knowledge and skills they need to launch high-paying careers or graduate prepared to continue their studies at four-year universities.

Access to Opportunities

Increasing opportunities further is Canyons Promise, which pays college fees for new full-time students for two full years. The program allows students to achieve their educational goals by paying their enrollment fees and providing Open Educational Resource (OER) textbooks and other services at no cost. Since its debut in 2017, more than 8,000 students have saved more than $7 million in tuition costs.

The college is also a pioneer in adopting and advocating for Open Educational Resources (OER) and Zero Textbook Costs (ZTC), terms that refer to textbooks and learning resources in the public domain. Students consistently point to the high cost of textbooks as a significant barrier to their educational goals. Most OER and ZTC textbooks are free, saving students an estimated $5 million annually.

Athletic Excellence

With an institutional philosophy to educate both the mind and body, the college provides outstanding opportunities with 17 intercollegiate athletic programs that compete in the Western State Conference and Southern California Football Association.

Intercollegiate achievements include 45 state championships and three consecutive Western State Conference Supremacy Awards, which recognize the collective performance of College of the Canyons athletic programs. The college is also home to golf coach Gary Peterson, the winningest coach in California Community College Athletic Association history, having led the men's program to a record 13 state championships – the most recent in 2026 – and the women's program to six state championships, most recently in 2024.

The newest athletic program, women's tennis, launched in 2018 and secured its first conference championship in 2022.

Innovative Partnerships

The college has designed and established numerous partnerships in both the public and private sectors that have redefined the traditional role of a community college.

Academy of the Canyons, established at the Valencia campus in partnership with the William S. Hart Union High School District, allows promising high school students to attend high school and college concurrently. The academy has been recognized with a National Blue-Ribbon Award that ranks it in the top 1 percent of high schools nationally.

More than 4,400 students have graduated from programs at the Dr. Dianne G. Van Hook University Center, which allows students to earn bachelor's, master's and doctoral degrees from partner universities, improving access to higher education by eliminating the need to commute long distances. Partner universities currently offer 18 degree programs and four credential programs.

Partnerships have helped private industry become more productive, efficient, and competitive while helping fuel the local economy. The Workforce & Economic Advancement Division, which includes the Small Business Development Center, Center for Applied Competitive Technologies, and Employee Training Institute, has helped numerous local businesses and employees. The division served 2,110 client companies, assisted 3,477 individuals, generated $7.9 million in client sales growth, and helped create 3,490 local jobs in 2024/25.

The college participates in dozens more partnerships to ensure that vital services such as health care, law enforcement, fire protection, and emergency medical response remain at the highest levels possible. Home to the Los Angeles County Sheriff's North Academy, the college also trains firefighters and emergency medical technicians.

A robust nursing program is augmented further by partnerships with regional hospitals that provide real-world training for students. The nursing program and its partnerships have helped the college make significant progress in alleviating the statewide shortage of trained nurses.

The college's Institute for Culinary Education Building transitioned to a new name – the Diana and Gary Cusumano Culinary Arts Building – following a $1 million donation from the Cusumano family. The largest single contribution in the history of the College of the Canyons Foundation establishes both the Diana and Gary Cusumano Culinary Arts Endowed Program Fund and the Cusumano Family and Friends Endowed Scholarship Fund, providing long-term support for students and faculty. The gift also pays tribute to Diana Cusumano, an educator, artist and philanthropist who played a pivotal role in bringing the culinary arts center to life.

Finally, one of the college's most important partnerships is the one with scholarship donors, whose generous support of the College of the Canyons Foundation Scholarship Program makes attending college a reality for so many deserving students. More than 300 scholarships valued at $331,750 were awarded to students in 2026.

Gateway to Opportunity

College of the Canyons serves as a gateway to higher education, professional training and, by extension, opportunity. More than 300,000 people have attended the college since 1969. Many thousands have graduated, moved on to four-year universities, pursued successful careers, and established themselves as successful professionals throughout the Santa Clarita Valley. In a testament to students' experiences here, as well as the skills and knowledge gained, many have found their way back. Approximately half of the college's staff members were once students at College of the Canyons.

The college will continue to thrive, expand access, enhance engagement, and support the success of students, businesses, and the community. As the next chapters of the college's history are written, the outstanding foundation that has been laid will support future progress and achievements that uphold the ideals of educational excellence while contributing to a vibrant, thriving community for many generations to come.

THE SPECIAL MISSION OF THE COLLEGE OF THE CANYONS FOUNDATION

The College of the Canyons (COC) Foundation is a 501(c)(3) non-profit auxiliary organization formed to **generate philanthropic support for College of the Canyons. The Foundation's mission is to provide access to an affordable and accessible college education for all, to improve lives, and to empower success.** With the support of a dedicated Foundation Board and committed volunteers, we fulfill this mission through fundraising, grant making, and fund management.

College of the Canyons Foundation
26455 Rockwell Canyon Road,
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Telephone: (661) 362-3434
Email: cocfoundation@canyons.edu
Website: **www.canyons.edu/foundation**



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College of the Canyons

Paul Wickline
Associate VP, Instruction, Educational Pathways
College of the Canyons

Admission to the College / Getting Started



Any person applying for admission to the college must qualify using one of the following conditions:

A. Be a graduate of high school, or have passed the California High School Proficiency Exam.
B. Has completed coursework for high school graduation and is in possession of a Certificate of Specialization, or the equivalent.
C. Be 18 years of age or over and be capable of profiting from the instruction offered.
D. Be eligible for admission as a special student pursuant to Sections 48800, 48800.5, 48802, 76001, and 76002 of the California Education Code.
    1. Students falling under these criteria must be approved by their high school principal or designee for "advanced scholastic or vocational work," and must be identified as a special part-time or full-time student.
    2. Students may be admitted from K-10 if identified as "highly gifted."
    3. Students may be admitted as a special part-time or full-time student if:
        a. The class is open to the general public, and
        b. The student is currently enrolled in grades 11-12. Exceptions may be made for some special programs and course work, and
        c. The student has demonstrated eligibility for instruction by completing assessment and orientation.

Eligibility for Admission Definitions:

A. Advanced scholastic or vocational work is identified as College of the Canyons degree applicable course work.
B. A special part-time student is identified as attending high school and College of the Canyons concurrently, and is enrolled in 11.0 college units or less.
C. A special full-time student is identified as a high school student who has been completely released by his or her high school to attend College of the Canyons full-time, and is enrolled in 12.0 units or more.
D. A highly gifted student would be a student in K-10 who has a score of 150 or higher on the most current version of the WISC intelligence test.

The College may restrict admission in some courses and programs. For instance, special admission students cannot enroll in Culinary Arts 226-Food and Wine and HLHSCI 151-Emergency Medical Technician I as both courses have an age restriction. In addition, special admission students must obtain departmental consent for all courses in welding and manufacturing. Additionally, specially admitted students are restricted from taking physical education courses (except AOC students and high school students registering for on or off season intercollegiate athletics courses).

Students participating in the Santa Clarita Valley Youth Orchestra program do not have a grade level restriction for taking music classes in this program. Students participating in Academy of the Canyons middle college programs follow the same assessment and orientation process as other special admission students. However, Academy of the Canyons students will be enrolled in classes according to the agreement their institution has made with College of the Canyons.

Students enrolled in grades 11-12 in a public or private school district may apply for admission to the College upon submitting an approved Special Admit form as well as an Authorization to Consent to Medical Treatment form and any other forms as deemed necessary. Home school programs for grades 11-12 must meet state guidelines for special admit students to apply for admission.
Pursuant to California Education Code Section 76001 (d), specially admitted part-time students may not enroll in more than 11 units per semester.

Pursuant to California Education Code Section 76300 (f), specially admitted part-time students may be exempt from payment of the enrollment fees, per special action of the Board. All other appropriate fees shall be assessed. Specially admitted students released from their high school to attend College of the Canyons full-time must pay the enrollment fee and all other appropriate fees as assessed.

Admission Procedure - Application

A formal application for admission must be filed with the Admissions and Records Office. This should be done as soon as the decision has been made by the individual to seek admission to the College. Students returning after missing one semester or more must submit a new application to reactivate their student history file.

International Students: International students are required to submit the International Student application to the International Services & Programs (ISP) office. Please contact ISP before beginning the application process to obtain guidance on proper completion of the application and submittal of supporting documents. **International Services & Programs: +1 (661) 362-3580; isp@canyons.edu**.

Documents Required (Transcripts)

Applicants entering as first-time freshmen must arrange to have academic transcripts from their high school of graduation or school of last attendance sent to the Admissions and Records Office. Students should have transcripts sent from each college attended. All transcripts should arrive prior to the student's registration date to be used to meet course prerequisites and prevent an interruption to the automated registration process. All transcripts become the property of the College, and photocopies may not be released.

International Students: Demonstration of completion of secondary education may be required. Contact the International Services & Programs (ISP) office for detailed instructions concerning transcripts and other required documents.

All documents submitted to ISP become the property of the College. Once documents are submitted, copies are not provided. **International Services & Programs: +1 (661) 362-3580; isp@canyons.edu**.

Student Correspondence

College of the Canyons is making every effort to communicate with students by sending correspondence through email. The College provides each student with a College of the Canyons email address. This email account is assigned once a student submits an application and (re) sets their "My Canyons" user name and password. The email account is supported by Microsoft. We advise you to

check your email often, as information we send will often be time sensitive and important to your college career.

Credit Accepted
College of the Canyons accepts credit for courses completed at colleges and universities that have been accredited by one of the regional accrediting associations. Upon petition and after evaluation, credit may be accepted from schools and colleges having other types of accreditation. Students must have 12 units in residence before credit will be placed on the academic transcript. Some exceptions apply; for more information contact Admissions and Records.

International Students: International students are required to consult with the International Services & Programs office for guidance on credit accepted.

Residency
New and returning students to College of the Canyons are classified for the purpose of determining California residency and/or non-resident status. The classifications are as follows: Unmarried minors (persons under 18 years of age), who are US Citizens or a status that allows residence, whose parents have resided in California for a period of one year immediately prior to the first day of instruction of the term the applicant expects to attend, may attend as residents.

Persons over 18 years of age, who have legal residence in California for a period of one year immediately prior to the first day of instruction of the term the applicant expects to attend, may attend as residents.

Applicants having less than one year of residence in California immediately prior to the first day of instruction of the term they expect to attend are classified as non-residents for tuition purposes.

United States citizens, permanent residents, and aliens without lawful immigration status who have attended a California high school for at least three years and then graduated may qualify for a non-resident tuition waiver. Contact Admissions and Records for more details.

Non-immigrant alien students are required to pay the non-resident tuition and may need to meet certain other admission requirements. Contact Admissions and Records for more information.

International Students: International students are advised to contact the International Services & Programs office before proceeding with College residency or tuition waiver requests.

International Students
College of the Canyons is authorized under federal law to enroll non-immigrant alien students. Non-immigrant aliens applying for admission must meet international student admission requirements. For information on these requirements, contact the International Services & Programs (ISP) office. **International Services & Programs: +1 (661) 362-3580; isp@canyons.edu**.

MANDATORY CORE SERVICES

Evidence-based practices and research demonstrate that students who participate in orientation, assessment, and advising create a strong academic foundation and are more likely to persist and flourish in college and to meet their education goals. All new students entering College of the Canyons are required to complete three core matriculation services: orientation, assessment, and the development of a first semester education plan through participation in new student advising.

ADMISSION

New students must complete and submit an application for admission online (**www.canyons.edu/NewStudent**) prior to enrollment at College of the Canyons.

International Students: International students are required to submit the International Student application to the International Services & Programs (ISP) office. Please contact ISP before beginning the application process for guidance on proper completion of the application and submittal of supporting documents.
International Services & Programs: +1 (661) 362-3580; isp@canyons.edu.

ORIENTATION (MANDATORY)

Online orientation is required of all new and first-time to College of the Canyons students. It provides valuable information about the services, programs, and courses available at the College. Orientation helps new students navigate through the rich array of resources and services available at the College and teaches students how to use these resources to their fullest.

ASSESSMENT (MANDATORY)

In accordance with AB 705 and AB 1705, students have the right to access transfer-level math and English coursework, along with academic credit ESL coursework. As a result, every placement level on our assessment system includes a transfer-level English and math placement course. In addition, for those students with ESL advisory placements, they may choose to optionally enroll in ESL courses up to ESL 100 or English 101, regardless of their ESL placement level. For students planning on enrolling in math courses, please note that while you may choose to take courses from lower placement levels, you may not directly enroll in courses from higher placement levels without first completing the necessary prerequisite coursework. Visit **www.canyons.edu/NewStudent** for information on how to get started.

NEW STUDENT ADVISEMENT - (MANDATORY)

New student advisement will be conducted after the student completes assessment. The advisement session will consist of information regarding certificates, associate degrees, associate degrees for transfer, strategies for student success, and will provide a one-semester education plan for the student. This may be completed through a group workshop, one-on-one consultation with an advisor, or through an online, self-paced program. Visit **www.canyons.edu/NewStudent** for information on how to get started.

PROGRAM ADVISEMENT/COUNSELING

College of the Canyons provides advisement and counseling services to support students throughout their academic journey.

First-time college students are encouraged to complete the advisement portion of the New Student Checklist and meet with an academic advisor for additional support as

they begin college. Advisors are available in the Welcome Center for quick consultations and can provide information about certificate, degree, and transfer requirements, college policies and procedures, course selection, and campus resources and support services. Students with coursework from other colleges or universities are encouraged to meet with a counselor for transcript evaluation, prerequisite review, and educational planning.

After completing 15 units, students are encouraged to meet with a counselor to develop a comprehensive education plan. Counselors are faculty members who specialize in educational, career, and personal counseling related to academic performance and student success. Counselors assist students in setting and evaluating educational and career goals, developing comprehensive educational plans, and exploring options that support their future success.

Specialized counseling services are also available through the Academic Accommodation Center (AAC), Athletics, Basic Needs Center, CalWORKs, Canyons Promise, Extended Opportunity Programs and Services (EOPS), Financial Aid, Inspire Scholars/NextUp, International Services & Programs (ISP), Intercultural Center, MESA, Project SOL, Umoja, Veterans, and other student support programs. International students are required to consult with the International Services & Programs (ISP) office concerning educational and career planning prior to their first semester. In addition, the international student New Student Workshop is included in the biannual ISP orientation held before the semester begins. For information specific to international students, contact the ISP office at **isp@canyons.edu**.

REGISTRATION

Registration is the formal process of arranging courses desired by the student into a program of classes and of securing a seat in classes. College of the Canyons determines enrollment priority based on Title 5 section 58108. Priority will be determined by the following levels:

Level 1:

- New fully matriculated and continuing or returning students in good standing who are part of one or more of the following student groups: Veterans, Foster Youth, Student Parent, EOPS, AAC, CalWorks, or Homeless Youth.

Level 2:

- New fully matriculated and continuing or returning students in good standing who are part of one or more of the following student groups: Athletics, ASG, Umoja and AOC and MESA.
- Students who petition to graduate, earn a certificate or are in their last semester prior to transfer. (This priority is given one time only to a student).
- Continuing and returning students in good standing from 99.9 units to 20 units
- New fully matriculated students
- Continuing and returning students in good standing from 19.9 units to 0 units.

Level 3:

- Continuing students not in good standing
- New non-matriculated students
- Students with over 100 degree applicable units
- High school students

Please visit our website on enrollment priorities for more information on these levels at **www.canyons.edu/admissions/**. Students are given a registration date and time and may register anytime on or after this date and time. For online registration visit: **www.canyons.edu**. Late registration, which occurs after the regular registration period closes, will be permitted on a first-come, first-served basis into those vacancies that may exist in classes. Students registering during the late registration period must meet all criteria to be eligible to attend. See the current Student College Calendar for specific information.

International Students: International students with outstanding obligations may be prevented from enrollment in a full course of study as required to maintain student visa status. Tuition and fees are due at the time of registration to prevent from being dropped from classes.

Classification of Students:

Full Time: Enrolled in 12 units or more in a full-length semester
3/4 Time: Enrolled in 9 to 11 units
1/2 Time: Enrolled in 6 to 8 units
1/4 Time: Enrolled in 3 to 5 units
Freshman: One who has completed 30 units or less
Sophomore: One who has completed 31 units or more

International Students: International students that have student visa sponsorship from College of the Canyons are required to be enrolled in a full course of study unless authorized by the International Services and Programs (ISP) office.

Payment: Payment for tuition and fees is due at the time of registration each semester or each time materials are acquired or services rendered. The payment deadline schedule is available on My Canyons and the Student Business Office website. Failure to make your payment in full by the deadline date will result in receiving a financial hold that may prevent access to registration and college services. Students attending College of the Canyons on an F1 Visa, may be dropped from classes for non-payment.

Installment Payments: Installment payments are available. Payments may be broken up into smaller partial payments to assist with paying down balances. All accounts are required to be paid in full by the posted deadline. Please refer to the Student Business Office website for the most current payment deadline schedule or installment plan information.

Financial Obligation: By registering for class(es), students will incur a financial liability. College of the Canyons will make every effort to keep fees at a minimum, however, the State Enrollment Fee and other fees are subject to change during the academic year.

Students are responsible for adhering to college policies and deadline dates as outlined in the college catalog and schedule of classes. All classes must be paid or have a formal payment arrangement made by the established deadline date to avoid receiving a financial hold.

If a student no longer plans on attending a class, including

paid classes, unpaid classes, and classes not attended, a student is solely responsible for dropping said class. Students will be responsible for payment of fees for any class enrolled, dropped after the refund deadline date, or withdrawn.

Any financial aid awards, grants or loans may be applied towards a balance due for the awarded semester. Financial aid in excess of a balance due at the time of disbursement will be refunded. Students will be responsible for paying any balance not covered through awarded financial aid, sponsorship, or scholarship. In order to graduate in two (2) years, students must take 15.0 units per semester, or 30 units per year. A Cal Grant award is limited to four (4) academic years.

In order to be eligible for a refund, classes must be dropped prior to the refund deadline date. Refund deadline dates are available in the class schedule. All unrequested refunds will be issued at the end of each semester and will not be transferred to a future semester.

College of the Canyons will not email or mail a hard copy of invoices showing charges and payments. Invoices are available through "My Canyons."

Checks not accepted by the bank will be assessed an additional processing fee and a financial hold until the account has been paid in full. If paying by credit card and a chargeback or return of funds is issued, the student may receive a financial hold, be referred to the dean's office for review or to a third-party collection agency.

The college will send communications via My Canyons email and students are responsible for monitoring emails.

Failure to pay any balance due in full by the established deadline date may result in further collection activities including, but not limited to, registration holds; phone calls, including automated calls; My Canyons emails; collection letters and referral to a third-party collection agency.

Schedule of Fees: All fees are established by action of the Board of Trustees of the Santa Clarita Community College District and the California State Legislature. Fees are subject to change. Consult the online class schedule or the Student Business Office for current fee schedules. The following fees are effective as of the fall semester 2026.

Enrollment Fee: Students are required to pay an enrollment fee upon registration at a community college in California. At the time of printing, the fee is $46 per unit. The enrollment fee and other fees are subject to change during the academic year. Check the online class schedule for the most up-to-date fee information.

Additional Fees:

Annual Student Center Fee[1] ..... $1 per unit/$10 maximum

Audit Fee (Paid in Community Education Office) $15/unit

Health Fee (Fall/Spring)[2] $28.00

Health Fee (Summer/Winter)[2] $23.00

International Student Tuition[3] ..... $409.00 *plus* $46 Enrollment fee per unit *plus* $4.00 Capital Outlay fee[4] per unit

Non-resident Student Tuition[3] ..... $409.00 *plus* $46 Enrollment fee per unit *plus* $4.00 Capital Outlay fee[4] per unit

Official Transcript (first two free) $5.00

Official Transcript (2 business days) $10.00

Official Transcript (on demand) $15.00

Parking Fee (Fall/Spring)[5] $50.00

Parking Fee (Winter/Summer)[5] $25.00

Parking Fee (Motorcycles)[5] $15.00

Student Representation Fee[6] *Optional* $2.00

Student Support Fee *Optional*[7] (Fall/Spring) $15.00

Student Support Fee *Optional*[7] (Winter/Summer) $10.00

[1] **Student Center Fee**: Students who qualify for the California College Promise Grant-A are exempt from paying the student center fee. Contact the Financial Aid office for further information.

[2] **Health Fee**: College of the Canyons requires all students attending college, both full and part-time, to pay the health fee as outlined in California Education Code section 76355. According to statute, students who fall into one of the following categories may apply for an exemption to the health fee: dependence on prayer for healing, apprentices, and low-income students eligible for a California College Promise Grant. Method 'A.' Exemption forms are submitted to the Student Business Office on the Valencia campus in Canyons Hall or the Canyon Country campus in Building 1C.

[3] **International Student/Non-Resident Tuition:** Students classified as non-residents by the residency determination date each semester or term, are subject to non-resident tuition. Students classified as international students (have an F-1 or J-1 visa) are subject to international student tuition. Enrollment fees and other fees are subject to change during the academic year.

[4] **Capital Outlay Fee:** The capital outlay fee is charged to all nonresident and international students to contribute to the cost associated with capital outlay of the District. This fee can be waived for any student who can demonstrate economic hardship. Economic hardship is defined as any student who is a recipient of benefits under the Temporary Assistance for Needy Families program described in Part A of Title IV of the Social Security Act (42 E.S.C. Secs. 601, et seq.), the Supplemental Income/ State Supplementary Program, or a general assistance program. Students must provide documented evidence of receiving the benefits dated within the last year. All documentation must be provided to the Student Business Office prior to the refund deadline of the term charged. The fee can also be waived for a student who is a victim of persecution or discrimination in the country in which the student is a citizen and resident. The student must show court documented evidence or USCIS documentation of persecution or discrimination.

[5] **Parking Fee:** Students with a California College Promise Grant A waiver will have their parking fee waived. Students with a California College Promise Grant B, C or D waiver will pay $20 per semester and $10 for winter

or summer parking. Each semester, these students are eligible to purchase one (1) parking pass at a discounted rate.

[6] **Student Representation Fee:** The Student Representation Fee provides support for students or college representatives who advocate student and college positions or viewpoints before city, county, and district governments, as well as, before offices and agencies of the state and federal government. The Student Representation Fee cannot be used to support individual candidates or campaigns. Of the two dollars collected, one dollar shall be expended to establish and support the operations of a statewide community college student organization, recognized by the Board of Governors of the California Community Colleges, with effective student representation and participation in state-level community college shared governance and with governmental affairs representatives to advocate before the Legislature and other state and local governmental entities. The remaining one dollar will be used by the College of the Canyons Associate Student Government which represents all students at College of the Canyons. Students may opt out of this fee on the date of registration or up until the refund deadline date for full term classes. (Second Sunday of the semester.) Students may opt out through My Canyons or with the Student Business Office.

[7] **Student Support Fee:** The Student Support Fee provides for the operation of the Student Center Computer Lab in which students can access computers with internet access, laser printers, photo copiers and fax services. Students may opt out of this fee up until the refund deadline date for full term classes. (Second Sunday of the semester.) Students enrolled in only late start classes may opt out within one week of their initial enrollment. Opting out of the fee and all of its associated benefits must be done in person at any of the following locations: the office of Campus Life & Student Engagement, Student Center, Room 102 or the Student Business Office in Canyons Hall, Room 101 on the Valencia campus or building 1C at the Canyon Country campus during posted business hours. All locations will have extended office hours during the first week of each semester. Students may also contact the Campus Life and Student Engagement Office directly at (661) 362-3648 to arrange for a special appointment if they are exclusively online students or if their work schedule does not permit coming to campus during regular or extended business hours. For more information, please check the Campus Life & Student Engagement webpages on the College's website at www.canyons.edu or email questions to Campus.Life@canyons.edu

Instructional Materials Fee: Some courses at College of the Canyons require an instructional materials fee. The fee is used to supply the student with materials of particular value outside the classroom setting. Such materials include, but are not limited to textbooks, sheet music, tools, equipment, clothing, and those materials which are necessary for a student's vocational training and employment. In most cases, these materials are being provided at or below cost to the college. See the individual department for a complete list of materials. Instructional material fees vary by course, and are listed in the course description of all classes charging this fee. Students may waive this fee prior to the refund deadline if they choose to provide the materials themselves. To waive these fees, please see the Student Business Office on the Valencia campus in Seco Hall 101 or the Canyon Country campus in Building 1C.

Returned Check Policy: If a check is not honored by the bank, the student will be notified by mail that payment of the original fees plus a $25 dishonored check fee will be charged. Payment must be made by cash or certified funds. If a check is returned and the student withdraws from classes, the regular withdrawal procedures must be followed. These procedures are outlined in the class schedule. A "hold" will be placed on the student's account until receipt of full payment. If a student's check is not honored by the bank, the student will no longer be able to pay by check. All future transactions must be paid by cash, certified or cashier's check, or credit card.

Refunds: In order to be eligible for a refund, classes must be dropped prior to the refund deadline date. All unrequested refunds will be issued at the end of each semester and will not automatically be transferred to a future semester. Refund deadline dates are available on the Class Schedule. Requested refunds are processed approximately six weeks after the request. For more information, please contact the Student Business Office at (661) 362-3033.

A student who misses the established deadline for a particular class may obtain a late refund if a petition or appeal is approved. If the refund deadline date is missed, the student must demonstrate extenuating circumstances beyond their control and provide appropriate documentation supporting their extenuating circumstance as part of the petition process. The extenuating circumstances must have been beyond the students control, occurred prior to the refund deadline for the class and term in question and prevented the student from dropping the class on time. The student must have also stopped attending the class prior to the refund deadline date. If the class was attended after the refund deadline date, the student is not eligible for a late refund. If you did not attend the class, please include that on your petition. This process also applies to fees being removed for unpaid balances.

If the class was dropped after the refund deadline date without a "W", a Petition for a Refund After the Deadline is submitted to the Student Business Office. If the class was withdrawn with a "W" or was not dropped, an Academic Standards Committee Petition should be submitted to the Admissions and Records Office.

Refund of Parking Permits: College of the Canyons does not issue refunds for parking permits for any reason. Students may not sell or transfer the permit to another person. The sale of parking permits is final.

1098T Student Tax Documents: 1098T Student tax documents are furnished by the end of January for the preceding tax year. For additional information on this form and viewing your form electronically, please visit **www.canyons.edu/studentservices/sbo**.

Third-Party Sponsorship Accounts: Organizations, agencies or businesses may sponsor or pay for a student's education. If they require the school to invoice them directly for tuition and fees, a sponsorship must be established. Establishing a sponsorship requires a student

request by submitting a Student Sponsorship Agreement Form along with a financial guarantee from the sponsor. All paperwork must be submitted to the Student Business Office no later than the second Sunday following the start of the semester.

The sponsor will be billed directly for the tuition/fees that they are covering and the student will be responsible for all remaining fees.

If there is a refund due for any items that were paid by the sponsor, the refund will be returned directly to the sponsor.

The Student Business Office will be available to assist with any additional questions. Please call (661) 362-3033 or email sbo@canyons.edu for more information.

LIMITATION OF UNIT LOAD

A unit load of 18 units per semester is considered maximum. To take more than the maximum, approval must be obtained from the Counseling office.

CHANGE OF STUDENT SCHEDULE

The Santa Clarita Community College District's chief student services officer or designee, in conjunction with the Director of Admissions and Records and the Academic Senate, will determine the last day to add classes. The specific date for each semester will be published in the Student College Calendar and made available in Admissions and Records. Exceptional cases will be considered by the Director of Admissions and Records after receipt of documented extenuating circumstances. Students must follow the established change of student schedule procedures.

Non-standard length classes have individual change-of-schedule deadlines. Check with the class instructor for specific deadline dates.

Exceptions to this policy may be made for students who:

1. are transferring from one section to another section of the same class;
2. are transferring from an advanced section to a less advanced section in the same department;
3. enter an open entry/open exit class;
4. Are being reinstated following an administrative adjustment.

WAITLISTS

Once a class meets its maximum seat capacity, the registration system will ask students if they wish to be placed on a waitlist for the class. This means that all seats in the class are taken and students on the list are "waiting" for a seat to open up. Once a student has elected to be placed on the waitlist, the registration system will issue a waitlist number. The lower the number, the better the chance a student will have of actually obtaining a seat in the class.

As students drop themselves, or are dropped for nonpayment, seats will become available. The College will then automatically enroll students from the waitlist into the class. As students are enrolled into the class, those remaining on the waitlist will move up toward the top of the list. Students enrolled in a class from a waitlist will be notified by email that this action has taken place. Once the student is moved into the course, the student is registered and is now obligated to pay the corresponding fees.

Because this process is run daily, students are advised to check "My Canyons" daily to see if they have been moved into the class. Students may drop themselves from the waitlist or the class at any time prior to the start of the class. It is important that the student check their College email account regularly and verify the College has an accurate phone number on file. Changes to your phone number may be made on the College website at **www.canyons.edu** and click "My Canyons." Students are responsible for meeting all eligibility requirements to enroll in the class, such as clearing any holds, prerequisites, time conflicts, and unit maximums.

ADD PROCEDURES

Open Classes: Classes that have not met their maximum seat capacity will remain open until the term begins. Students may use online registration to enroll in these courses.

Closed Classes: Classes that have met their maximum seat capacity and/or have students on a waitlist are considered closed and require instructor permission to enroll. The instructor will add authorize a student. Add authorization will allow the student to proceed with online registration up until the add deadline.

LATE ADD PROCEDURES

All adds must be processed by the add deadlines which are published in the Student College Calendar, or obtained by the class instructor. Students who have verifiable extenuating circumstances may petition to add after the deadline by submitting a late add petition before 50% of the course is complete.

The student's first date of attendance must be prior to the established add deadline to submit a petition along with documented evidence of extenuating circumstances (mandatory). Examples of extenuating circumstances are verified cases of accidents, illness, family, work obligations, or other circumstances beyond the control of the student.

The Admissions and Records office will notify the student with a determination in two to four days after receiving the above documents.

Late Add Petitions will not be accepted after 50% of the class has passed in the semester/term for which the student wishes to add. Please see Board Policy 5903 for more information.

DROP PROCEDURES AFFECTING A STUDENT'S TRANSCRIPT

A student may drop from a course anytime during the first two weeks of a full-semester course, (or within the first 20% of instruction for a short-term course) without receiving any grades or notations on his or her transcript. A student may withdraw from a course after the second week and up until the end of the twelfth week of the full-semester course, (or 75% of instruction for a short-term course) and will receive a grade of W on his or her transcript. Drops and withdrawals may be processed online through My Canyons or by visiting the Admissions and Records office during business hours.

Academic Information



OPEN CLASSES

It is the policy of this district, unless specifically exempted by statute, that every course, course section or class, the average daily attendance of which is to be reported for state aid, wherever offered and maintained by the district, shall be fully open to enrollment and participation by any person who has been admitted to the College and who meets such prerequisites as may be established pursuant to Title 5, section 51006 of the California Administrative Code.

CLASS FORMATS

College of the Canyons offers classes in the following instructional modalities authorized and approved by the Academic Senate for use at College of the Canyons.

IN-PERSON

In-Person instruction is delivered in a physical location on campus or at another approved District instructional location. Students will complete all instructional hours by meeting with the instructor and their classmates in person during scheduled class times at the classroom location listed in the class schedule.

These courses may be offered via a distance education format (online or OnlineLIVE) when needed during college/facility closure. Students will be notified via email if changes to in-person class sessions are required.

DISTANCE EDUCATION FORMATS

Online

Online instruction is delivered 100% asynchronously using the adopted District learning management system (Canvas) to support instructional delivery, verify student enrollment and identity, and ensure regular and substantive student interaction.

Any required synchronous meetings (online or in-person), any required asynchronous in-person activities, any required technology platforms, devices, or applications, and any testing or proctoring requirements will be listed in the comments for each online section.

Hybrid

Hybrid instruction has an in-person component as well as an online (asynchronous) lecture component. Days, times, and locations for in-person meetings will be listed in the comments for each hybrid section.

Any additional synchronous meetings, any required asynchronous in-person activities, any required technology platforms, devices, or applications, and any testing or proctoring requirements will be listed in the comments for each hybrid section.

OnlineLIVE

OnlineLIVE instruction is synchronous instruction through Zoom on the days and times listed in the class schedule. Such days and times are intended to replace face-to-face class meetings for lecture, small group discussion, and other activities normally associated with on-ground class sessions and are not voluntary for the student or instructor, nor to be replaced with any asynchronous instruction.

Any required synchronous in-person meetings, any required asynchronous in-person activities, any required technology platforms, devices, or applications, and any testing or proctoring requirements will be listed in the comments for each OnlineLIVE section.

Online and OnlineLIVE

Online/OnlineLIVE is a blended modality combining online and OnlineLIVE instruction. Online/OnlineLIVE will adhere to previously established College of the Canyons instructional definitions and standards for both the online, and OnlineLIVE modalities.

Online/OnlineLIVE will use the adopted District learning management system to support instructional delivery, verify student enrollment and identity, and ensure regular and substantive student interaction.

All scheduled synchronous contact hours will be published in the schedule of classes. The specific dates and meeting times must be published prior to the start of student enrollment for that class. Any scheduled synchronous contact hours must be maintained and may not be replaced by asynchronous instruction.

Any required synchronous in-person meetings, any required asynchronous in-person activities, any required technology platforms, devices, or applications, and any testing or proctoring requirements will be listed in the comments for each Online/OnlineLIVE section.

HyFLEX

HyFlex is a modality that allows students to choose how they participate in a course, as designed by the instructor. HyFlex is a modality that utilizes remote synchronous technology, face to face (in-person) instructional delivery, and is supplemented by a learning management system. HyFlex requires the instructor to provide regular, weekly instruction on a physical campus, in a classroom that can accommodate the entire capacity of enrollment. Instructors will hold class on campus for all contact hours, while students may choose to attend face to face (in-person) or utilizing remote synchronous technology.

District-approved synchronous platforms must be used to enable any student enrolled in the course to attend class synchronously from outside the physical class meeting room. District approved learning management system(s) must be utilized to enable synchronous remote platforms and to verify regular and substantive student contact. HyFlex contact hours must be maintained and may not be replaced by asynchronous instruction. Any additional required synchronous in-person meetings, any required asynchronous in-person activities, any required technology platforms, devices, or applications, and any testing or proctoring requirements will be listed in the comments for each HyFLEX section.

OnlineLIVE and In-Person

OnlineLIVE and in-person is a blended modality combining OnlineLIVE and in-person instruction. OnlineLIVE and in-person will adhere to previously established College of the Canyons instructional definitions and standards for both the OnlineLIVE and in-person modalities.

OnlineLIVE instruction will take place through Zoom on the days and times listed in the class schedule, and in-person instruction will take place in a physical location on campus or at another approved District instructional location during scheduled class times at the classroom location listed in the class schedule. In-person instruction may be offered

via a distance education format (online or OnlineLIVE) when needed during college/facility closure. Students will be notified via email if changes to in-person class sessions are required.

All scheduled class meetings days, times, and locations will be published in the schedule of classes. Any scheduled synchronous contact hours must be maintained and may not be replaced by asynchronous instruction.

Any required synchronous in-person meetings, any required asynchronous in-person activities, any required technology platforms, devices, or applications, and any testing or proctoring requirements will be listed in the comments for each OnlineLIVE and in-person section.

CORRESPONDENCE EDUCATION

Correspondence education provides instructional materials, including examinations on the materials, by mail, delivery, or electronic transmission to students who are separated from the instructor. Interaction between the instructor(s) and the student is limited, is not regular and substantive, and is primarily initiated by the student. Correspondence courses are typically self-paced, although a regular cycle of assignment submissions and delivery of feedback should be established for facilitated learning. If a course is part correspondence and part residential training, it is considered a correspondence course. Correspondence education is not distance education. The Instructor will have at least one (1) touchpoint with their students for every 10 "in-class" hours as detailed in the Course Outline of Record (COR).

College of the Canyons offers correspondence education only in limited situations. The District will permit students to participate in a correspondence education course only when made appropriate and necessary due to the occurrence of an "emergency or extraordinary condition," as defined by Title 5 § 58146, subd. (b).

Each section taught via correspondence will have that modality reflected in the section comments in the class schedule.

ABSENCE FROM CLASS

Students are expected to attend class on a regular basis. Any student absent for any reason for more than 10% of the class meetings may be dropped by the instructor prior to 75% of the course. After 75% of the course, neither the instructor, nor the student, may withdraw from the course. The student must earn a grade in the course.

For Distance Education courses, the instructor and student must have regular and substantive interaction. The student's absence from an online course shall be determined by the last day on which the student was academically engaged and participated in an academically related activity in the class.

Any student who receives federal financial aid and completely withdraws or fails to complete any units during the payment period or period of enrollment, will be required to repay any unearned financial aid funds. For more information on absences from classes, please consult your instructor, syllabus and Board Policy 5070, Attendance.

DEGREE APPLICABLE CLASSES

Certain courses cannot be used to meet the 60-unit requirement for the associate degree or the 120-unit requirement for the baccalaureate degree. These courses are typically numbered between 0-99 and are identified with the following statement: "Units do not apply to associate or baccalaureate degrees."

TRANSFERABLE COURSES

In the following course descriptions, "CSU" indicates that a course is transferable to California State Universities; "UC" indicates that a course is transferable to the University of California.

ACADEMIC RECOGNITION

President's Honors List

A President's Honors List of students who achieve academic honors is published each semester. It lists the name of each student who has completed 12.0 units or more of work with a grade point average of 3.5 or higher during the regular semester immediately preceding the posting of the grade point average. Each President's Honors List recipient will receive a letter of commendation from the President.

Academic Recognition at Graduation

Academic recognition at graduation will be based upon all degree applicable units from the District and from all other regionally accredited colleges where the student has completed units. Categories of academic recognition include the following:

Cum Laude Graduate – requires a cumulative associate degree applicable grade point average of 3.5 - 3.69.

Magna Cum Laude Graduate – requires a cumulative associate degree applicable grade point average of 3.7 - 3.89.

Summa Cum Laude Graduate – requires a cumulative associate degree applicable grade point average of 3.9 - 4.0.

President's Honors Scholar – the student or students with the highest cumulative associate degree applicable grade point average and has completed the College of the Canyons Honor's Program requirements; including at least a 3.5 grade point average in all UC transferable course.

Associate Valedictorian – the student or students with the highest cumulative associate degree applicable grade point average.

Baccalaureate Valedictorian – the student or students with the highest cumulative baccalaureate degree applicable grade point average.

The grade point averages listed above will be evaluated at the end of the fall term prior to spring and summer graduates and at the end of summer term for fall graduates.

The admissions and records office will post the academic recognition on the District's official transcript once all requirements for graduation are verified.

The Cum Laude, Magna Cum Laude, and Summa Cum Laude graduation recognition will be included on the diploma.

COC HONORS PROGRAM

The COC Honors Program is a community of scholars participating in an academically enhanced course of study with the goal of transferring to competitive 4-year universities. Through special research-focused courses, faculty mentorships, service learning programs, and community engagement opportunities, our program prepares students for advanced level study at a university.

To join COC Honors, students must have a 3.25 minimum GPA after completing at least 12 units of UC/CSU transferable credit, or if they are enrolling directly from high school, they must have a 3.50 minimum high school GPA. Honors courses are designated in the course schedule by the letter "H" and "Honors" found in the course number and title (e.g. STAT C1000H Intro to Statistics- Honors).

To complete the Honors Program, students must remain enrolled for at least two semesters, complete 15 units of honors courses, perform 30 hours of service learning, and participate in transfer activities. Additional benefits of the program include opportunities to engage in community-based learning projects, perform academic research, join campus honor societies, apply for scholarships, take advantage of special transfer agreements with select universities through our membership in the Honors Transfer Council of California (HTCC), and to receive priority admission consideration to UCLA's College of Letters and Science through the Transfer Alliance Program (TAP). For more information about the COC Honors Program, please email our honors faculty coordinator, Dr. Chase Dimock at honors@canyons.edu and consult our honors webpage at **www.canyons.edu/honors**.

Transfer Alliance Program (TAP) Agreements

The COC Honors Program participates in the Transfer Alliance Program (TAP) with UCLA's College of Letters and Science to offer priority admission consideration to qualified students. Honors students who complete the COC Honors Program's 15 units of UC transferable honors courses (with at least 9 units earned by the Fall before transfer) while earning a minimum GPA of 3.50 are eligible to be considered for TAP certification

Students who are TAP certified receive the following benefits:

1. Priority admission consideration when being reviewed for one of the majors housed in UCLA's College of Letters and Science or one of the following majors: public health, public affairs and education and social transformation. TAP certified students can list an alternate major (which must be listed on the UCLA application and the TAP Certification form) as long as it is not one of the most highly selective majors listed in the UCLA Transfer Admissions Guide.
2. Eligibility to apply for scholarships reserved for students admitted under the Transfer Alliance Program.
3. Research privileges at UCLA's libraries

For more information about TAP, email the COC Honors Program at honors@canyons.edu and consult **https://admission.ucla.edu/apply/transfer/ucla-transfer-alliance-program**

HONOR SOCIETIES

COC hosts chapters of many national and international honor societies that recognize academic excellence in a variety of fields. Membership in these societies can offer benefits such as research opportunities, leadership experience, networking with scholars and professionals, and eligibility for scholarships.

Alpha Delta Nu Nursing Honor Society

Alpha Delta Nu Nursing Honor Society at College of the Canyons promotes scholarship and academic excellence in the profession of nursing, recognizes the academic excellence of students in the study of associate degree nursing, and encourages the pursuit of advanced degrees in the profession of nursing as well as continuing education as a life-long professional responsibility.

Alpha Mu Gamma

Alpha Mu Gamma is the national collegiate foreign language honor society. Its primary purpose is to honor students for outstanding achievement and excellence during their first years of foreign-language study in college. More than 300 chapters have been granted to state and private universities. At College of the Canyons, our chapter is Kappa Xi. Eligibility requirements include: Two final course grades of "A" in two college level courses (each at least 3 semester units) of the same foreign language or American sign language (ASL). A candidate who is a native of a non-English speaking country, may offer two final course grades of "A" in college level English or ESL. A GPA of 3.0 or higher in college level work. Members receive national distinction and notation on school transcripts, an official certificate and a gold pin. Members are eligible to apply for scholarships for foreign language study.

Lambda Epsilon Chi

Lambda Epsilon Chi (LEX) is a national honor society to recognize students for their outstanding academic achievement. LEX offers students national scholarship opportunities, participation in regional, state and local conferences, and networking opportunities with other legal professionals. Students must demonstrate "superior academic performance", which is evidenced by an overall COC GPA of at least 3.25 and in the COC paralegal classes of at least 3.50.

Phi Theta Kappa

Phi Theta Kappa is the largest and oldest international honor society for two-year colleges. Our local chapter Alpha Nu XI, offers students opportunities to collaborate on research projects, perform community service, develop leadership skills, network with professionals, and apply for scholarships and transfer programs. To be eligible, students must earn a 3.50 GPA after completing a minimum of 12 units of transferable credit.

Psi Beta

Psi Beta is the national honor society in psychology for community and junior colleges. Psi Beta is committed to the development of psychology students through promotion and recognition of excellence in scholarship, leadership, research, and community service. Eligibility requirements include: completion of at least 12 college units, with at least one of those being a psychology class; an overall 3.25 GPA; and at least a B average in all psychology classes completed.

Phi Rho Pi
Phi Rho Pi is a national organization committed to increasing knowledge and appreciation of the forensics arts at the community college level. It has the distinct honor of being one of the oldest forensics organizations in the United States. Phi Rho Pi's purpose is to promote forensics programs at community colleges and to foster the growth, development, and participation of forensics. In addition, Phi Rho Pi promotes educational services, organizes national conventions and tournaments, maintains national honorary society status, and facilitates competitive forensic activities, as well as academic, professional, and leadership activities for members.

Sigma Delta Mu
Sigma Delta Mu is the National Honor Society for Hispanic Studies. At College of the Canyons, our chapter is Iota Chapter of California. The society is committed to honoring those who seek and attain excellence in the study of the literature and culture of Spanish-speaking people, and to foster friendly relations and mutual respect between the nations of Hispanic speech and those of English speech. Membership requirements include a 3.0 GPA or higher and a Spanish course with at least a B average.

ACADEMIC RENEWAL

College of the Canyons recognizes that a student's academic record may contain grades that are not reflective of more recently demonstrated academic success. To accurately reflect a student's current success, the College has instituted academic renewal. Academic Renewal is defined as the process by which a student's previously recorded substandard credit coursework is disregarded from the student's College of the Canyons cumulative grade point average. College of the Canyons acknowledges these difficulties and has adopted guidelines, Board Policy 4240, for petition of alleviation of previously recorded substandard coursework.If all of the following conditions are met, the student will be eligible for Academic Renewal and College of the Canyons may disregard from all consideration associated with the computation of a student's cumulative grade point average all grades of D, F, and FW earned in up to a maximum of 24 semester units, taken at College of the Canyons. Courses completed with a grade of "Pass" or "C" and above will continue to be used toward cumulative unit and grade point average considerations and will meet any degree major and/or general education requirements.

If both (A and B) of the following conditions are met, a student will be eligible for Academic Renewal:

A. A demonstration of recent academic ability must be determined by one of the following:
   - Students must have achieved a minimum grade point average (GPA) of at least a 3.0 in their last 12 semester units (or 18 quarter units), or
   - at least a 2.5 in their last 18 semester units (or 27 quarter units), or
   - at least a 2.0 in their last 24 semester units (or 36 quarter units), completed at College of the Canyons or any regionally-accredited college or university.

B. At least 2 (two) calendar years have elapsed from the time the substandard grade to be disregarded was completed. For example, if the class with the substandard grade was completed at the end of Fall 2026, academic renewal will be available on or after the end of Fall 2028.

If a student qualifies for academic renewal based on college coursework completed at another regionally-accredited college or university, the student must first request official transcripts to be sent directly to College of the Canyons admissions office prior to submitting an Academic Renewal request. If another accredited college has acted to remove previous coursework from consideration in computing the grade point average, such action shall be honored in terms of its policy.

Academic Renewal actions are irreversible. Students should meet with a counselor before requesting such an action. Academic Renewal is not accepted for the purposes of qualifications within financial aid, honors, Veterans, or other such programs. It is the responsibility of the student to meet with the program of interest to determine how Academic Renewal may affect the student's eligibility. If the student is otherwise eligible for graduation, academic renewal may not be used to raise the grade point average in order to qualify for graduation with honors.

This policy is adopted for use at College of the Canyons. Other institutions may have adopted different policies. The transfer status of such action depends upon the policy of the college to which a student transfers. Please see Board Policy 4240 for additional details and restrictions.

ADVANCED PLACEMENT

College of the Canyons shall grant associate degree credit for successful completion of examinations in the Advanced Placement Program of the College Entrance Examination Board. Students who present scores of three or better may be granted up to eight semester units for each examination. (Refer to the table of equivalences.)

Advanced Placement Credit
Credit for Advanced Placement exams varies from university to university. Although College of the Canyons will give credit for Advanced Placement scores of three or higher, the policy may be different at the university to which the student intends to transfer. All students are advised to consult with a COC counselor or to review the catalog of their transfer college for specific rules concerning Advanced Placement credit.

International Baccalaureate
College of the Canyons shall grant associate degree credit for successful completion of examinations that are part of the International Baccalaureate program. Credit is awarded as noted on the International Baccalaureate credit equivalency chart in this catalog.

COLLEGE OF THE CANYONS
ADVANCED PLACEMENT COURSE EQUIVALENCY LIST

California Community Colleges have adopted the CCC GE AP list as the standard for accepting AP courses which can be found by clicking on the link provided, ***CCC GE AP List****. At College of the Canyons, we have also adopted the list below. For the 2026–2027 academic year, College of the Canyons will award area credit in accordance with the Advanced Placement (AP) credit chart outlined below. Students who wish to receive credit for a specific course, as indicated on the AP chart, may do so by initiating a request on the CPL website at:* ***www.canyons.edu/CPL****. Additional information regarding transferable CSU and UC units can be found on the COC Counseling website at* ***www.canyons.edu/studentservices/counseling/transfer/index.php****. Please see a COC Counselor for more support.*

AP Examination	AP Score	Total COC Unit Credit	Prerequisite Met for COC Courses(s)	COC Associate Degree GE	Total CSU Semester Transferable Units***	Total UC Semester Transferable Units***	Cal-GETC Areas	COC Course Equivalency
African American Studies	3, 4, 5	6	N/A	3 units Social and Behavioral Sciences	3	2.6	N/A	N/A
Art History	3, 4, 5	6	N/A	Arts & Humanities	6	5.3	Area 3A or 3B (3 units)	**ARTH** C1100 or **ARTH** C1200
Art-Studio Drawing	3, 4, 5	3	N/A	Arts & Humanities	3	5.3*	N/A	**ART** 125A
Art Studio 2-D	3, 4, 5	3	N/A	Arts & Humanities	3	5.3*	N/A	**ART** 140
Art Studio 3-D	3, 4, 5	3	N/A	Arts & Humanities	3	5.3*	N/A	**ART** 141
Biology	3, 4, 5	6	**BIOSCI** 201, 202, 204	Natural Science	6	5.3	Area 5B w/lab (5.3 units)	**BIOSCI** 100 or 101
Calculus AB**	3, 4, 5	5*	**MATH** 212, **PHYSIC** 110, 210, and 220	Mathematical Concepts and Quantitative Reasoning	3	2.6*	Area 2 (2.6 units)	No course equivalency per department
Calculus BC**	3, 4, 5	10	**MATH** 213, 214, and 215, **PHYSIC** 110, 210, and 220	Mathematical Concepts and Quantitative Reasoning	6	5.3*	Area 2	No course equivalency per department
Chemistry	3, 4, 5	6	**CHEM** 201	Natural Science	6	5.3	Area 5A w/lab	**CHEM** 151
Chinese Language and Culture	3, 4, 5	6	N/A	Arts & Humanities	6	5.3	Area 3B	Score 4 or 5: **CHINESE** 101 & 102
Computer Science A**	3, 4, 5	3	(Need score of 4 or 5) **CMPSCI** 182 and 182L	Mathematical Concepts and Quantitative Reasoning	3	2* (prior to Fall 2018); 5.3* (Fall 2018 onward)	N/A	Score of 4 or 5: **CMPSCI** 111 & **CMPSCI** 111L

*Unit limitations apply; please consult with the counseling department & check the UC website and CSU websites below, as well as specific campus websites for colleges you are applying to.

**If a student passes more than one AP exam in physics, only 6 units of credit may be applied to the baccalaureate, and only 4 units of credit may be applied to a certification in GE Breadth. May very for UCs.

***See CSU & UC AP website on each campus for maximum units for each.

****If a student passes more than one AP exam in calculus or computer science, only one exam may be applied to the baccalaureate degree.

Continued on the next page.

COLLEGE OF THE CANYONS
ADVANCED PLACEMENT COURSE EQUIVALENCY LIST, *continued*

AP Examination	AP Score	Total COC Unit Credit	Prerequisite Met for COC Courses(s)	COC Associate Degree GE	Total CSU Semester Transferable Units***	Total UC Semester Transferable Units***	Cal-GETC Areas	COC Course Equivalency
Computer Science Principles**	3, 4, 5	6	(Need score of 4 or 5) **CMPSCI** 236	Mathematical Concepts and Quantitative Reasoning	6	5.3***	N/A	Score of 4 or 5: **CMPSCI** 235
English Language	3, 4, 5	6*	**ENGL** C1001, 105, 106, 107, 108, 109, 111, C1003, **PSYC** C1001H, **SOCI** 101H	English Composition	6	5.3*	Area 1A* (3 units)	**ENGL** C1000
English Language and Composition	3, 4, 5	6*	**ENGL** C1001, 105, 106, 107, 108, 109, 111, C1003, **PSYC** C1001H, **SOCI** 101H	English Composition	6	5.3*	Area 1A* (3 units)	**ENGL** C1000
English Literature	3, 4, 5	6*	**ENGL** C1001, 105, 106, 107, 108, 109, 111, C1003, **PSYC** C1001H, **SOCI** 101H	English Composition and Arts & Humanities	6	5.3*	Area 1A* or 3B* (2.6 units in either area)	**ENGL** C1000
English Literature and Composition	3, 4, 5	6*	**ENGL** C1001, 105, 106, 107, 108, 109, 111, C1003, **PSYC** C1001H, **SOCI** 101H	English Composition and Arts & Humanities	6	5.3*	Area 1A* or 3B* (2.6 units in either area)	**ENGL** C1000
Environmental Science	3, 4, 5	4	N/A	4 units Natural Science	4	2.6	Area 5A w/lab (2.6 units)	**ENVRMT** 103
European History	3, 4, 5	6	N/A	3 units Social and Behavioral Sciences **OR** Arts & Humanities; and 3 units Elective	6	5.3	Area 3B or 4 (3 units)	No course equivalency per department
French Language and Culture	3, 4, 5	6	**FRNCH** 202	3 units Arts & Humanities and 3 units Elective	6	5.3	Area 3B	Score 3: **FRENCH** 101 & 102
German Language and Culture	3, 4, 5	6	**GERMAN** 202	3 units Arts & Humanities and 3 units Elective	6	5.3	Area 3B	Score 3: **GERMAN** 101 & 102
Government and Politics: Comparative	3, 4, 5	3	N/A	3 units Social and Behavioral Sciences	3	2.6	Area 4 (2.6 units)	**POLS** 250
Government and Political: United States	3, 4, 5	3	N/A	3 units Social and Behavioral Sciences	3	2.6	Area 4 (2.6 units); & US-2 (only) of AIR	**POLS** C1000
Human Geography	3, 4, 5	3	N/A	3 units Social and Behavioral Sciences	3	2.6	Area 4 (2.6 units)	**GEOG** 102
Italian Language and Culture	3, 4, 5	6	N/A	3 units Arts & Humanities and 3 units Elective	6	5.3	Area 3B	Score 3: **ITALIAN** 101 & 102
Japanese Language and Culture	3, 4, 5	6	N/A	3 units Arts & Humanities and 3 units Elective	6	5.3	Area 3B	N/A
Latin	3, 4, 5	6	N/A	3 units Arts & Humanities and 3 units Elective	6	5.3 (May 2013 & beyond)	Area 3B	N/A

*Unit limitations apply; please consult with the counseling department & check the UC website and CSU websites below, as well as specific campus websites for colleges you are applying to.

**If a student passes more than one AP exam in physics, only 6 units of credit may be applied to the baccalaureate, and only 4 units of credit may be applied to a certification in GE Breadth. May very for UCs.

***See CSU & UC AP website on each campus for maximum units for each.

****If a student passes more than one AP exam in calculus or computer science, only one exam may be applied to the baccalaureate degree.

COLLEGE OF THE CANYONS
ADVANCED PLACEMENT COURSE EQUIVALENCY LIST, *continued*

AP Examination	AP Score	Total COC Unit Credit	Prerequisite Met for COC Courses(s)	COC Associate Degree GE	Total CSU Semester Transferable Units***	Total UC Semester Transferable Units***	Cal-GETC Areas	COC Course Equivalency
Macroeconomics	3, 4, 5	3	N/A	3 units Social and Behavioral Sciences	3	2.6	Area 4 (2.6 units)	**ECON C2002**
Microeconomics	3, 4, 5	3	N/A	3 units Social and Behavioral Sciences	3	2.6	Area 4 (2.6 units)	**ECON C2001**
Music Theory	3, 4, 5	3	N/A	3 units Arts & Humanities	3	5.3*	N/A	N/A
Physics 1**	3, 4, 5	4**	N/A	4 units Natural Science	4	5.3*	Area 5A w/lab	No course equivalency per department
Physics 2**	3, 4, 5	4**	N/A	4 units Natural Science	4	5.3*	Area 5A w/lab	No course equivalency per department
Physics C: Mechanics**	3, 4, 5	4**	N/A	4 units Natural Science	4	2.6*	Area 5A w/lab (2.6 units)	No course equivalency per department
Physics C: Electricity and Magnetism**	3, 4, 5	4**	N/A	4 units Natural Science	4	2.6*	Area 5A w/lab (2.6 units)	No course equivalency per department
Precalculus	3, 4, 5	3	**MATH** 211	Mathematical Concepts and Quantitative Reasoning	3	NA	N/A	No course equivalency per department
Psychology	3, 4, 5	3	**PSYC** 102, 230	3 units Social and Behavioral Sciences	3	2.6	Area 4 (2.6 units)	**PSYC** C1000
Seminar	3, 4, 5	3	N/A	Elective	3	0	N/A	N/A
Spanish Language and Culture	3, 4, 5	6	**SPAN** 202	3 units Arts & Humanities and 3 units Elective	6	5.3	Area 3B	Score 3: **SPAN** 101 & 102; Score 4: **SPAN** 201; Score 5: **SPAN** 202
Spanish Literature and Culture	3, 4, 5	6	**SPAN** 202	3 units Arts & Humanities and 3 units Elective	6	5.3	Area 3B	Score 3: **SPAN** 101& 102; Score 4: **SPAN** 201; Score 5: **SPAN** 202
Statistics	3, 4, 5	3	N/A	Mathematical Concepts and Quantitative Reasoning	3	2.6	Area 2 (2.6 units)	**SOCI** 137; For math, no course equivalency per department
United States History	3, 4, 5	6	N/A	3 units Social and Behavioral Sciences **OR** Arts and Humanities	6	5.3	Area 3B or 4 (3 units); & US-1 (only) of AIR	No course equivalency per department
World History-Modern	3, 4, 5	3	N/A	3 units Social and Behavioral Sciences **OR** Arts & Humanities	3	5.3	Area 3B or 4 (3 units)	No course equivalency per department

*Unit limitations apply; please consult with the counseling department & check the UC website and CSU websites below, as well as specific campus websites for colleges you are applying to.

**If a student passes more than one AP exam in physics, only 6 units of credit may be applied to the baccalaureate, and only 4 units of credit may be applied to a certification in GE Breadth. May very for UCs.

***See CSU & UC AP website on each campus for maximum units for each.

****If a student passes more than one AP exam in calculus or computer science, only one exam may be applied to the baccalaureate degree.

COLLEGE OF THE CANYONS
INTERNATIONAL BACCALAUREATE (IB) CREDIT EQUIVALENCY

IB Examination	IB Score	COC Unit Credit	COC Associate Degree GE ###	CAL-GETC ##
Biology HL	5, 6, 7	6	Natural Science 3 units	Area 5B (without lab) 3 units
Chemistry HL	5, 6, 7	6	Natural Science 3 units	Area 5A (without lab) 3 units
Economics HL	5, 6, 7	6	Social and Behavioral Sciences 3 units	Area 4 3 units
Geography HL	5, 6, 7	6	Social and Behavioral Sciences 3 units	Area 4 3 units
History HL *(any region)*	5, 6, 7	6	Social and Behavioral OR Arts and Humanities 3 units	Area 3B OR 4 3 units
Language A: **Literature HL** *(any language, except English)*	4, 5, 6, 7	6	Arts and Humanities 3 units	Area 3B and (if it's a language other than English) (Min. score must be 5)
Language A: **Language and Literature HL** *(any language, except English)*	4, 5, 6, 7	6	Arts and Humanities 3 units	Area 3B and (if it's a language other than English) (Min. score must be 5)
Language A: **Literature** *(any language)*	4, 5, 6, 7	0	Arts and Humanities 3 units	Area 3B and (if it's a language other than English) (Min. score must be 5)
Language A: **Language and Literature HL** *(any language)*	4, 5, 6, 7	0	Arts and Humanities 3 units	Area 3B and (if it's a language other than English) (Min. score must be 5)
Mathematics: **Analysis and Approaches HL**	4, 5, 6, 7	6	Mathematical Concepts and Quantitative Reasoning 3 units	Area 2 3 units (Min. score must be 5)
Mathematics: **Apps and Interpretation HL**	4, 5, 6, 7	6	Mathematical Concepts and Quantitative Reasoning 3 units	Area 2A 3 units (Min. score must be 5) *may not be at all UC*
Physics HL	5, 6, 7	6	Natural Science 3 units	Area 5A (without lab) 3 units
Psychology HL	5, 6, 7	3	Social and Behavioral Sciences 3 units	Area 4 3 units
Theater HL	4, 5, 6, 7	6	Arts and Humanities 3 units	Area 3A 3 units (Min. score must be 5)

For additional information, see the CSU website: **www.calstate.edu/apply/transfer/pages/international-baccalaureate-ib.aspx** and the UC website: **https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ib-credits.html**

COLLEGE OF THE CANYONS
COLLEGE LEVEL EXAMINATION PROGRAM (CLEP) CREDIT POLICY

CLEP Examination	Min. CLEP Score	COC Associate Degree GE & Units Earned	Min. CSU Units Earned
American Government	50	Social and Behavioral Sciences 3 units	3
American Literature	50	Arts and Humanities 3 units	3
Analyzing and Interpreting Literature	50	Arts and Humanities 3 units	3
Biology	50	Natural Science 3 units	3
Calculus	50	Mathematical Concepts and Quantitative Reasoning 3 units	3
Chemistry	50	Natural Science 3 units	3
College Algebra	50	Mathematical Concepts and Quantitative Reasoning 3 units	3
College Algebra-Trigonometry	50	Mathematical Concepts and Quantitative Reasoning 3 units	3
College Composition	50	None	None
College Composition-Modular	50	None	None
College Mathematics	50	None	None
English Composition (no Essay)	50	None	None
English Composition (with Essay)	50	None	None
Financial Accounting	50	None	3
French Level I **	50	None	6 **
French Level II **	59	Arts and Humanities 3 units	9 **
Freshman College Composition	50	None	None
German Level I **	50	None	6 **
German Level II **	60	Arts and Humanities 3 units	9 **
History, United States I	50	Social and Behavioral Sciences OR US History-Title 5 (US-1 Only) 3 units	3
History, United States II	50	Social and Behavioral Sciences OR US History-Title 5 (US-1 Only) 3 units	3
Human Growth and Development	50	Social and Behavioral Sciences **3 units**	3
Humanities	50	Arts and Humanities 3 units	3
Information Systems and Computer Applications	50	None	3
Introduction to Educational Psychology	50	None	3
Introductory Business Law	50	None	3
Introductory Psychology	50	Social and Behavioral Sciences 3 units	3
Introductory Sociology	50	Social and Behavioral Sciences 3 units	3
Natural Sciences	50	Natural Science 3 units	3
Pre-Calculus	50	Mathematical Concepts and Quantitative Reasoning 3 units	3
Principles of Accounting	50	None	3
Principles of Macro-economics	50	Social and Behavioral Sciences 3 units	3
Principles of Micro-economics	50	Social and Behavioral Sciences 3 units	3
Principles of Management	50	None	3
Principles of Marketing	50	None	3
Social Sciences and History	50	None	None
Spanish Level I **	50	None	6 **
Spanish Level II **	63	Arts and Humanities 3 units	9 **
Spanish with Writing I **	50	None	6 **
Spanish with Writing II **	63	Arts and Humanities - 3 units	9 **
Western Civilization I	50	Arts and Humanities OR Social and Behavioral Sciences 3 units	3
Western Civilization II	50	Social and Behavioral Sciences 3 units	3

***No units are awarded for CAL-GETC**

****If a student passes more than one CLEP test in same language other than English, then only 1 examination may be applied to the baccalaureate for the CSUs.**

CSU website: www.calstate.edu/apply/transfer/pages/college-level-examination-program.aspx

ASSOCIATE DEGREES/GRADUATION REQUIREMENTS

The Board of Trustees of the Santa Clarita Community College District, as authorized by the Board of Governors of the California Community Colleges, shall confer the degree of Associate in Arts or Associate in Science upon a student who has satisfactorily completed the degree requirements as outlined below.

Coursework For Associate Degrees

The student must satisfactorily complete at least 60 semester units of degree-applicable lower division credit courses. The courses must include at least 18 semester units of focused study in a major or interdisciplinary area of emphasis.

A "major" is a focused program of study within a specific discipline, which may include some coursework outside the primary discipline. Programs designed to provide transfer preparation must be designed to meet specific lower-division requirements in comparable baccalaureate majors. An "area of emphasis" is an interdisciplinary program of study encompassing a broad range of courses from multiple related academic disciplines, providing the student with an academic pathway broader than a specific major but more focused than general education. The required courses for an approved major or area of emphasis listed in the Program/Course Description section of the catalog must be completed. All courses required for the major or area of emphasis must be completed with a grade of "C-" or better, or of "P" if the course is taken on a "pass-no pass" basis.

The courses must include at least 21 semester units of general education as specified in the Catalog. General education must include a minimum of work in;

1. English Composition, Oral Communication, and Critical Thinking,
2. Mathematical Concepts and Quantitative Reasoning,
3. Arts and Humanities,
4. Social and Behavioral Sciences,
5. Natural Sciences, and
6. Ethnic Studies.

Associate degree requirements are determined according to the catalog in effect at the time of first enrollment. If enrollment is continuous, then graduation requirements are taken from the catalog in effect at the time of first enrollment or any other subsequent catalog the student chooses.

When a break in enrollment occurs, graduation requirements are determined according to the catalog in effect at the time of re-entry into continuous enrollment. A break is defined as any four consecutive terms; e.g. fall, winter, spring, and summer in which the student is not enrolled. The District may grant petitions requesting restoration of lost catalog rights upon demonstration of good cause.

A student may choose to meet the requirements of any subsequent catalog for the major while retaining the general education requirements from the original catalog to which the student has rights.

Courses that meet or exceed the standards of California Community Colleges completed at other institutionally accredited institutions shall be counted toward associate degree unit requirements. A course may not be counted in more than one general education area, even if the course is approved in multiple general education areas. Students may use the same course to meet a local general education requirement and to satisfy a general education requirement at the California State University or the University of California if that segment accepts the course for this purpose.

Students may receive credit for knowledge or skills acquired through the District's procedures for awarding Credit for Prior Learning (CPL) as described in District policy and procedure.

Students may petition to have noncredit courses counted toward the satisfaction of requirements for an associate degree, as permitted by the District's policies and procedures regarding CPL.

Students who intend to transfer shall be advised of limitations transfer institutions may place on the transferability of credits, based on institutional accreditation, course modality, and any other relevant factors.

The District may obtain approval of a direct assessment competency-based program from the California Community Colleges Chancellor's Office.

Petition For Graduation

To receive an associate degree, a student must submit a request according to District processes. Specific dates are published each term in the District calendar.

Additional Degrees Awarded By The District (Sequential Completion)

The District is authorized to award an additional associate degree provided all the following conditions are met:

1. All major requirements for the additional degree and all general education requirements have been satisfied, per the student's catalog rights.
2. Courses used towards the first degree may count towards the major in the second degree.
3. A minimum of 12 semester units have been completed in residence.

Multiple Majors (Simultaneous Completion)

Multiple majors are acceptable and occur when a student works toward the simultaneous completion of more than one major field of study. Declaring multiple majors does not alter the requirements for completing any of the declared majors.

An associate in science or associate in arts degree with a multiple major may be earned by completing all general education requirements and the courses required for the majors as outlined in the District catalog.

GENERAL EDUCATION

Philosophy of General Education

College of the Canyons is dedicated to the philosophy that all students will receive the highest quality education possible. Doing so should ensure learning experiences that will enhance students' academic and career opportunities as well as develop a sense of inclusion, diversity, equity, accessibility, antiracism, civic awareness, and global responsibility. Courses that are designated to fulfill the general education requirements shall meet the following philosophy.

1. The awarding of an associate degree is intended to represent more than an accumulation of units. It is to symbolize a successful attempt on the part of the college to lead students through patterns of learning experiences designed to develop certain capabilities and insights. Among these are the ability to think critically and to communicate clearly and effectively both orally and in writing; to use mathematics; to understand the modes of inquiry of the major disciplines; to be aware of other cultures, times, and populations, including those which have been traditionally marginalized; to achieve insights gained through experience in thinking about ethical problems; and to strengthen the capacity for self-awareness, sensitivity to the experience of others, and leadership.
2. In addition to these accomplishments, the student shall possess sufficient depth in some field of knowledge to prepare to enter the workforce and/or to develop an interest in lifelong learning.
3. Central to an associate degree, general education is designed to introduce students to the variety of means through which people comprehend the modern world. It reflects the conviction of colleges that those who receive their degrees must possess in common certain basic principles, concepts, and methodologies both unique to and shared by the various disciplines. College-educated persons must be able to use this knowledge when evaluating and appreciating the physical environment, the culture, and the society in which they live, applying the skills developed through general education curriculum to navigate the world of work in a multicultural and increasingly technological world. In addition, general education should offer many starting points for understanding the world around us, including developing critical thinking skills, which students can then develop through lifelong learning.
4. In establishing or modifying a general education program, the District shall create coherent and integrated educational requirements through contextualized learning opportunities such as project-based learning, internships, and apprenticeships as well as inter, multi-, and cross-disciplinary approaches as appropriate. General education programs should involve active examination of proposed solutions to world problems.

2026 – 2027 ASSOCIATE DEGREE GENERAL EDUCATION

These requirements are for students who do not wish to transfer to the CSU or UC. Courses cannot be used to fulfill multiple GE areas. All courses must be completed with grades of "C -" or better. Courses approved in the GE areas below may not be Cal-GETC approved. See a counselor for details.

AREA 1 - ENGLISH COMPOSITION, ORAL COMMUNICATION, AND CRITICAL THINKING

(two courses: one from each group; six semester or eight quarter units).

1A-English Composition: **ENGL** C1000, C1000H, 104, 204

1B-Oral Communication and Critical Thinking: **COMM** C1000, C1000H,120, 225, 227; **ENGL** C1001, C1001H, C1003; **PHILOS** 106, 206, 230; **PSYC** 103; **SOCI** 102, 108

AREA 2 - MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

(one course, three semester or four quarter units)
CMPSCI 111, 132, 256; **ECON** 291; **MATH** 100, 102, 102X, 103, 103X, 104, 104X, 130, 211, 211X, 212, 213, 214, 215, 240, 240X; **PSYC** 103, 104; **SOCI** 102, 137; **STAT** C1000, C1000E, C1000H

AREA 3 - ARTS AND HUMANITIES

(one course: three semester or four quarter units)
ANTHRO 210, 220; **ARCHT** 114, 115; **ART** 100, 112, 115, 116, 125A, 125B, 140, 141, 222, 225A, 230, 231, 270; **ARTH** C1100, 1200; **BUS** 160; **CHNESE** 101, 102; **CINEMA** 120, 121, 122, 123, 127, 129, 131; **COMM** C1000, C1000H, 100, 150, 225, 246, 256, 260; **DANCE** 100, 101, 111, 121, 122, 131, 132, 133, 134, 135, 137, 141, 142, 161, 170; **ECON** 170, 170H; **ENGL** C1002, C1003, 105, 106, 108, 109, 122, 135, 200, 250, 251, 260, 261, 262, 263, 264, 270, 271, 272, 273, 274, 275, 280, 281; **FRNCH** 101, 102, 150, 201, 202; **GERMAN** 101, 102; **GMD** 120; **HIST** C1001, C1001H, C1002, C1002H, 101, 101H, 102, 115, 116, 117, 120, 120H, 130, 161, 191, 192, 193, 210, 212, 230, 240, 243; **HUMAN** 100, 115, 116, 150; **ID** 114, 115; **ITAL** 101, 102, 150; **KPET** 209; **LING** 101; **MEA** 101, 102; **MUSIC** 100, 105, 106, 107, 108, 109, 110, 112, 120A, 125, 142, 175, 176; **PHILOS** 101, 101H, 102, 110, 111, 112, 120, 130, 220, 225, 240, 250; **PHOTO** 140, 150, 160, 285; **SIGN** 101, 102, 103, 104, 110; **SOCI** 200, 200H; **SPAN** 101, 101H, 102, 150, 201, 202, 211, 212, 240; **THEATR** 100, 110, 111, 210, 220, 240

AREA 4 - SOCIAL AND BEHAVIORAL SCIENCES

(one course; three semester or four quarter units)
ANTHRO 103, 103H, 105, 120, 210, 220; **BUS** 126; **CCE** 200, 201; **COMM** 120, 235, 246, 256, 260, 270; **COUNS** 200; **ECE** 101, 102; **ECON** C2001, C2001H, C2002, C2002H, 170, 170H; **ENVRMT** 101; **ETHNST** 101, 102, 103, 104; **GEOGRPH** 102, 104, 105; **GLST** 101, 102; **HIST** C1001, C1001H, C1002, C1002H, 101, 101H, 102, 115, 116, 117, 120, 120H, 130, 161, 191, 192, 193, 210, 212, 230, 240, 243; **MEA** 100; **PHILOS** 130; **POLS** C1000, C1000H, 200, 210, 230, 250, 270, 290; **PSYC** C1000, C1000H, 103, 105, 109, 110, 126, 167, 172, 172H, 180, 225, 230, 235, 240; **SOCI** 101, 101H, 102, 103, 103H, 104, 105, 106, 107, 108, 110, 130, 200, 200H, 205, 207, 208, 210, 230, 233, 250; **SWSH** 110

AREA 5 - NATURAL SCIENCES

(one course; three semester or four quarter units)
ANTHRO 101, 101H, 101L; **ASTRON** 100, 102, 104; **BIOSCI** 100, 100H, 101, 106, 106H, 107, 107H, 115, 116, 119, 130, 132, 140, 180, 201, 202, 204, 205, 221, 240; **CHEM** 100, 151, 151H, 201, 201H, 202, 255, 256; **ENVRMT** 103, 104; **GEOGRPH** 100, 101, 103, 105, 110; **GEOLOGY** 100, 101, 102, 103, 104, 105, 110, 111; **HLHSCI** 150; **OCEAN** 101, 119; **PHYSCI** 101; **PHYSIC** 101, 102, 110, 111, 210, 211, 220, 221, 222; **PSYC** 102

AREA 6 - ETHNIC STUDIES

(one course, three semester or four quarter units)
ETHNST 101, 102, 103, 104

REQUIREMENTS ARE SUBJECT TO CHANGE

Note:

- The associate degree GE is waived if a student has earned a bachelor's degree at an institutionally accredited institution.

- The Associate Degree for Transfer (AA-T/AS-T) requires completion of Cal-GETC (please see page 39 for Cal-GETC requirements.)

ASSOCIATE DEGREES WITH GENERAL EDUCATION EXCEPTIONS

College of the Canyons offers transfer associate degrees with exceptions made to the general education requirements. The associate degrees listed below have exceptions made based on current law or requirements placed on the degree by external certifying boards.

1. Requirements for Associate in Arts for Transfer ("AA-T") and Associate in Science for Transfer ("AS-T") degrees permitted by California law are exempt from any additional local general education requirements.
2. The paralegal studies major must meet the American Bar Association criteria. Therefore, restricted general education course requirements apply to this major. Please see the Paralegal program description for more information.

OTHER CONDITIONS FOR AWARDING ASSOCIATE DEGREES

The District will award an associate degree to students who fulfill the coursework requirements described above or complete the requirements for an approved intersegmental lower-division general education pattern used for transfer to the University of California or the California State University and who met the following conditions:

1. The student satisfactorily completed at least 12 semester units of study in residence. The Board may excuse the residence requirement to alleviate injustice or undue hardship.
2. The student satisfactorily completed each general education course required for graduation with a grade of "C-" or better, or of "P" if the course is taken on a "pass-no pass" basis. Students completing general education patterns other than the District's local general pattern are subject to the limitations of that pattern in the number of general education units allowed as P/NP.
3. Students may use a "P" grade, when that grading option is available for students enrolled in the course, to satisfy major requirements for any associate degree that includes the District's local general education pattern.
4. Students may not use a "P" grade in major courses needed to earn associate degrees that do not include the District's local general education pattern, unless a student (1) submits a petition to the counseling office requesting an exception to the prohibition and (2) confers with a counselor regarding the potential impact of electing P/NP grades for major coursework on the student's educational goals. As an exception to this limitation, students may use a "P" grade in major courses needed to earn associate degrees using any general education pattern if that "P" grade is assigned as Credit for Prior Learning ("CPL"), including Advanced Placement ("AP") credit, approved pursuant to the District's CPL and AP related policies and procedures.
5. The student completed the requirements for the associate degree with a minimum cumulative grade point average of 2.0 in the degree-applicable courses.

BACCALAUREATE DEGREES

The Board of Trustees of the Santa Clarita Community College District, as authorized by the Board of Governors of the California Community Colleges, shall confer baccalaureate degrees in accordance with sections 55090, 55091, 55092, and 55093 of Article 9 of Subchapter 1 of Chapter 6 of Division 6 of Title 5 of the California Code of Regulations.

Coursework For Baccalaureate Degrees

In order to be awarded a baccalaureate degree, the student must satisfactorily complete at least 120 semester units of degree-applicable credit courses.

The required 120 semester units must include at least 40 semester units or equivalent of total upper-division coursework in the major and in general education, unless and except as otherwise approved by the California Community Colleges Chancellor's Office.

The required 120 semester units must also include at least 36 semester units of general education, of which 9 must be upper division. To be awarded a baccalaureate degree, students must meet the general education requirements for any associate degree recognized by the District unless otherwise exempted by law.

Other Conditions For Awarding Baccalaureate Degrees

The District will award a baccalaureate degree to students who fulfill the coursework requirements described above and who meet the following conditions:

- The student satisfactorily completed each course designated as an upper-division major requirement with a minimum grade of "C", or "P" if taken on a "pass-no pass" basis.
- The student satisfactorily completed at least 12 semester units of upper-division coursework in residence. The Board may excuse the residence requirement to alleviate undue hardship.
- The student completed the requirements for the baccalaureate degree with a minimum cumulative grade point average of 2.0 in degree-applicable courses.
- The District will count courses completed within another California higher education segment, or at an institutionally accredited institution meeting District standards of rigor, toward baccalaureate degree unit requirements.
- Courses may meet multiple requirements, including general education, a major, and additional requirements, if locally approved to do so. A course may not be counted in more than one general education area, even if approved in multiple areas.
- Students may receive credit for knowledge or skills acquired through the District's procedures for awarding credit for prior learning.
- Students who have already been awarded a bachelor's degree from an institutionally accredited institution shall be deemed to have fulfilled the general education course requirements for the baccalaureate degree.
- Students who have completed the California General Education Transfer Curriculum (Cal-GETC) shall be deemed to have fulfilled the lower-division general education requirements for the baccalaureate degree.

- Students may petition to have noncredit courses counted toward satisfaction of baccalaureate degree requirements, as permitted by the District's policies and procedures regarding CPL.

College of the Canyons currently offers a Bachelor of Science Degree in Building Performance (BSBP). Students must apply to be admitted to the BSBP program; more information can be found at **www.canyons.edu/BSBP**. Students must be enrolled in a California Community College Baccalaureate Degree program to enroll in upper-division courses offered at a California Community College.

EXTERNAL ACCREDITING AGENCIES

In addition to the current ACCJC college-wide accreditation, certain programs at College of the Canyons are also accredited by the following external accrediting agencies:

Automotive Technology – accredited by the National Automotive Technicians Education Foundation (NATEF).

Center for Early Childhood Education – accredited by the National Association for the Education of Young Children (NAEYC).

Certified Nursing Assistant – approved by the California Department of Public Health

Diagnostic Medical Sonography – Pending approval from the Commission on Accreditation of Allied Health Education Programs (CAAHEP) and recognized by the American Registry of Radiologic Technologists (ARRT).

Early Childhood Education – accredited by the National Association for the Education of Young Children (NAEYC)

Emergency Medical Technician – approved by the Los Angeles County EMS Agency, State of California and the National Registry of EMTs.

Medical Laboratory Technician – accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

Nursing – accredited by the National League for Nursing – Commission for Nursing Education Accreditation (NLN-CNEA) and approved by the California State Board of Registered Nursing.

Occupational Therapy Assistant – Candidate for Accreditation by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA).

Paralegal Studies – approved by the American Bar Association (ABA).

Physical Therapist Assistant – Candidate for Accreditation by the Commission on Accreditation in Physical Therapy Education (CAPTE).

AUDITING CREDIT COURSES

The governing board of the Santa Clarita Community College District has authorized the auditing of credit classes at College of the Canyons pursuant to California Education Code 76370. Course auditing is permitted as a service to students who have completed designated credit courses for the maximum number of allowed repeats. The purpose of auditing is to allow students to continue study after course repeatability has been exhausted. The following list of courses has been approved for auditing:

KPEI-153, 245A, 245B, 250A, 250B, 255A, 255B, 260A, 260B, 265, 270A, 270B, 275A, 275B, 280A, 280B, 285A, 285B, 290A, 290B, 295A, 295B; **MUSIC**-153, 153, 160, 161, 165, 173, 174, 175, 176, 177, 186, 187, 188; **PHOTO**-092L, 093L, 094L, 095L; **THEATR**-120, 161, 180A, 184A, 186A, 190

Classes taken by audit follow the same deadline dates as classes taken for credit. Contact Community Education if you wish to audit classes.

Regulations

1. Students wishing to audit classes must receive the approval of the instructor of the course.
2. Students wishing to audit a course must be in at least grades 11-12. Those students in grades K-10 are not eligible to audit classes. The exception to this regulation, are the music classes eligible for audit listed in the college catalog.
3. No student auditing a course shall be permitted to change enrollment in that course to receive credit for the course.
4. Students auditing a course are not subject to attendance, test or grade requirements. Attendance of students auditing a course is not included in computing the apportionment accounting procedures.
5. A fee of $15 per unit will be charged. Students enrolled in classes to receive credit for 10 or more units shall not be charged a fee to audit three or fewer semester units. Audit fees are paid through the Community Education office.
6. Once enrolled, students must present their class instructor with a copy of the audit receipt obtained in the Community Education office.

BASIC SKILLS LIMITATION

(College Success Skills)

Basic skills courses provide a foundation in reading, writing, mathematics, English as a Second Language, learning and study skills. These classes are not applicable to the associate degree but provide the skills necessary for students to succeed in college-level work.

Basic Skills Course Limitation

Except as specifically exempted, no student shall accrue more than 30 units of credit for basic skills coursework at College of the Canyons. Non-exempt students who have exhausted the unit limitation shall be referred to appropriate alternate educational service providers.

Exemptions from Basic Skills Course Limitation

The following classifications of students are exempted from the 30-unit limitation on basic skills coursework:

1. Students enrolled in one or more courses of English as a Second Language.
2. Students identified as learning disabled according to Title 5, section 55035.

Waiver of Basic Skills Course Limitation

A waiver of the 30-unit limitation for basic skills coursework may be granted to non-exempt students who demonstrate significant measurable progress toward the development of skills necessary for college-level courses. Such waivers shall be given for specified periods of time or for a specified

number of units. A petition to waive the 30-unit limitation must be submitted to the counseling department for approval.

CATALOG RIGHTS FOR CONTINUING STUDENT STATUS

Students establish catalog rights in the first semester/term they complete courses at College of the Canyons. This initial catalog will be used when validating associate degree and vocational certificate requirements. If a student stops attending College of the Canyons for one year or longer, initial catalog rights are lost. One year is defined as four consecutive terms (including summer and winter intersessions).

Upon re-entry to the college after one year's absence, catalog rights will be reestablished using the current academic catalog determined by the student's semester/term of re-entry.

Degree and transfer requirements for continuing students are determined by those listed in the catalog for the year in which they initially enrolled.

Students who have stopped attending College of the Canyons due to active military duty will not lose catalog rights. Upon return, the student must present their orders to the Veterans office to establish their previous catalog rights.

CERTIFICATES

Certificate programs are designed for students who are looking for programs of instruction, some of which are short-term, with a high degree of specialization. These programs typically are designed to prepare students for employment, job enhancement and/or job advancement. Certificate programs vary in length and generally require less than two years of full-time study.

CERTIFICATES OF ACHIEVEMENT AND OTHER CREDIT PROGRAMS

For a certificate of achievement, a student must successfully complete a course of study or curriculum that consists of 16 or more semester units of degree-applicable credit coursework that meets the requirements for an approved program of study as specified in the District's catalog. The certificate of achievement shall be designed to demonstrate that the student has completed coursework and developed capabilities relating to career or general education.

1. For all Certificates of Achievement except the CSU General Education Breadth, the UC-IGETC, CSU-IGETC, and Cal-GETC, students must complete at least half of the units required for the certificate program in residence and must earn a grade of "C" or better, "P" or "CR" in each course required for the certificate.
2. For the CSU General Education Breadth Certificate of Achievement, a student must complete a minimum of 12 units in residence and complete a minimum of 30 of the 39 required units with a grade of "C" or better, "P" or "CR," including the following areas: A1-Oral Communication, A2-Written Communication, A3-Critical Thinking, and B4-Mathematical /Quantitative Reasoning.
3. For the Cal-GETC, UC-IGETC, and CSU-IGETC Certificates of Achievement, a student must complete at least one course in residence and complete all courses with a "C" or better, "P" or "CR," "P/NP" or "CR/NC" courses are acceptable up to a total of 14 units.

Shorter credit programs that lead to a certificate may be established by the District.

Content and assessment standards for certificates shall ensure that certificate programs are consistent with the District's mission, meet a demonstrated need, are feasible, and adhere to guidelines on academic achievement.

Certificates for which California Community Colleges Chancellor's Office approval is not sought may be given any name or designation deemed appropriate except for certificate of achievement, certificate of completion, or certificate of competency.

To receive a credit certificate, a student must submit a request according to District processes. Specific dates are published each term in the District calendar.

The District may obtain approval of a direct assessment competency-based program from the California Community Colleges Chancellor's Office.

CERTIFICATE OF SPECIALIZATION

A Certificate of Specialization is a departmental award in an area of specialization requiring less than 16 semester units. This issuance of the departmental award is not recorded on the student's official transcript. To qualify for the Certificate of Specialization, students must satisfy the following requirements:

1. Complete at least half of the units required for the certificate program in residence;
2. Earn a grade of "C" or better in each course required for the certificate; and
3. File a petition for the certificate in the academic department issuing the certificate during the semester in which requirements will be completed.

NONCREDIT CERTIFICATE REQUIREMENTS

Certificates of Completion and Competency are noncredit awards granted by the District to students who have demonstrated mastery skills within a noncredit area.

1. Students must complete required courses in an approved program of study as specified in the District catalog.
2. For the Certificate of Competency within the noncredit ESL program, the student must meet the criteria for the certificate based on the combination of placement and successful course completion with a grade of "P."
3. For the Certificate of Completion the student must complete all required courses in the approved program of study as listed in the District catalog.

To receive a noncredit certificate, a student must submit a request according to District processes. Specific dates are published each term in the District calendar.

COURSE PREREQUISITES

Some courses require the completion of prerequisites. A prerequisite is a course that must be completed, or a

placement score that must be achieved, before a more advanced course is attempted. The student is advised to consult the course descriptions found in the current college catalog or schedule of classes to identify course prerequisites.

All prerequisites must have been completed with a satisfactory grade. "Satisfactory grade" means the grade earned must be a C, P, or better; D, F, FW, or NP grades are not acceptable.

Some of our courses have prerequisites. Our policy allows the student to enroll in the next course, but unless the student's final grade in the prerequisite course meets the minimum grade of a C, the student will not be allowed to stay in the next course. Once the previous semester grades are posted the student will be dropped from the more advanced course. The drop may happen after the semester has begun and could impact a students ability to obtain another course.

- **Prerequisite** – a condition of enrollment, typically a course or a placement score that a student is required to meet before being allowed to enroll in a more advanced course or educational program.
- **Co-requisite** – means that there are two courses offered that connect to each other and the student is required to enroll in both of them.
- **Recommended Preparation** – means that students are advised to strengthen their subject skills by taking the recommended course but are not required to do so.

Challenge Process
Prerequisite challenge petitions are available in the Admissions and Records office. A prerequisite may be challenged for the following reasons:

- The prerequisite has not been made reasonably available;
- The prerequisite was established in violation of regulation, or in violation of District approved processes;
- The prerequisite is discriminatory or applied in a discriminatory manner; and/or
- The student has knowledge or ability to succeed in the course despite not meeting the prerequisite.

In each case the student must provide documentation to support the challenge. Examples of documentation are transcripts, copies of certificates, proof of knowledge of the required material, etc.The procedure for prerequisite challenge petitions is as follows:

1. Fill out a Prerequisite Challenge petition.
2. Submit it to Admissions and Records.
3. Admissions and Records will conditionally allow the student to enroll pending petition approval. The student must pay for the class at this point and continue attending class until the petition is approved or denied.
4. The petition will be forwarded by Admissions and Records to the appropriate division for review.
5. If the petition is approved, the student will be notified via their My Canyons email and will continue with the class.
6. If the petition is denied, the student will be notified via their My Canyons email, an administrative drop will be processed and a refund of the class fees will be sent to the student.

COURSE REPETITION

Per Title 5 of the California Code of Regulations, Section 55040-55046, the Santa Clarita Community College District has adopted the following policy with regard to the repetition of courses for which the student has received a substandard grade. Nothing in this policy should be taken as an exception to Section 55040-55041 of Title 5, of the California Code of Regulations.

Definitions:
For the purposes of course repetition, academic renewal, and all other grade-related issues, substandard grades shall be defined as meaning coursework for which the student has earned a D, F, FW, NC and/or NP.

For the purposes of course repetition, academic renewal, and all other grade related issues, non-substandard grades shall be defined as coursework for which the student has earned an A, B, C, CR or P.

For the purposes of this policy "extenuating circumstances" is taken to mean verified cases of accidents, illness, or other circumstances beyond the control of the student.

1. The student may enroll in a course for which they have earned a substandard grade or a withdrawal no more than three times.
2. If the student repeats a course for which he or she has earned a substandard grade or a withdrawal and receives a non-substandard grade (A, B, C, CR or P), he or she cannot repeat the course a second time. If the student repeats a course for which he or she has earned a substandard grade or a withdrawal and receives a second substandard grade or a withdrawal, he or she can repeat the course one more time. If the student receives a withdrawal or a substandard grade on the third enrollment, the student cannot repeat the course again. A withdrawal does not alleviate the substandard grade on the previous enrollment.
3. After course repetition occurs to alleviate substandard grades, the previous grade and unit credit will be disregarded in computing the student's GPA for the previous two instances of substandard repetition. The course will be annotated such that the GPA calculation occurs for the most recent grade. A withdrawal does not alleviate a substandard grade.

Exceptions:
Students may repeat a course for which a substandard or withdrawal grade has been recorded twice under the following conditions:

- That previous grades were, at least in part, the result of extenuating circumstances.
- Certain courses may be repeated up to a maximum of three times for a total of four enrollments regardless of the grades earned. These courses are identified in the College Catalog and the Schedule of Classes. All grades earned for the authorized repeats shall be counted toward the grade point average.

Transcript Notation:
When courses are repeated for which a substandard grade was received, all coursework shall remain on the student's permanent record. The course will be annotated such that the grade point calculation occurs for the most recent grade. No more than two substandard grades will be removed from the grade point average.

When courses are repeated for which a non-substandard grade was received, credit will be given once. All coursework shall remain on the student's permanent record. When a course is repeated pursuant to this manner, the previous grade and unit credit will be disregarded in computing the GPA.

REPETITION OF COURSES FOR WHICH THE STUDENT HAS RECEIVED A NON-SUBSTANDARD GRADE

Per Section 55041 of Title 5, California Code of Regulations, the Santa Clarita Community College District has adopted Board Policy 4225, with regard to repeating courses for which the student has earned a non-substandard grade:

The student may submit a Repeat Petition, accompanied by verified extenuating circumstances, requesting that courses be repeated. If approved, the previous grade and unit credit will be disregarded in computing the GPA.

Course repetition shall be permitted in cases where such repetition is necessary for the student to meet a legally-mandated training requirement as a condition of continued paid or volunteer employment. Such courses may be repeated for credit, any number of times, regardless of whether or not substandard work was previously recorded, and the grade and units received each time shall be included for purposes of calculating the student's GPA. The Santa Clarita Community College District reserves the right to require the student to certify or document that course repetition is necessary to complete legally mandated training pursuant to this section.

The District may permit or require the student to repeat a course due to significant lapse of time. The student cannot repeat courses where a non-substandard grade was received, unless there has been a significant lapse of time (36 months) and:

i. there is an established recency prerequisite established by the course curriculum;
ii. there is an established recency requirement as established by a transfer institution;

Course repetition for a significant lapse of time can only occur once. All course work shall remain on the student's permanent record. When a course is repeated pursuant to this section, the previous grade and unit credit will be disregarded in computing the GPA.

PASS/NO PASS

Students have the option, during the time of registration, to petition to take classes on a P/NP basis in lieu of a grade of A, B, C, D, F, or FW.

Students electing to be evaluated on a P/NP basis will receive credit upon satisfactory completion (grade of "C" or better) of the course. Students who fail to perform satisfactorily will be assigned a grade of no pass (NP).

Regulations:

1. Students may use a "P" grade, when that grading option is available for students enrolled in the course, to satisfy major requirements for any associate degree that includes the District's local general education pattern.
2. Students may not use a "P" grade in major courses needed to earn associate degrees that do not include the District's local general education pattern, unless a student (1) submits a petition to the Counseling Department requesting an exception to the prohibition and (2) dialogues with a counselor regarding the potential impact of electing P/ NP grades for major coursework on the student's educational goals. As an exception to this limitation, students may use a "P" grade in major courses needed to earn associate degrees using any general education pattern if that "P" grade is assigned as Credit for Prior Learning ("CPL"), including Advanced Placement ("AP") credit, approved pursuant to the District's CPL and AP related policies and procedures. Students should be aware that courses graded P/NP might not be accepted in a transfer major, and are advised to consult with their intended transfer institution.
3. Students completing general education patterns other than the District's local general pattern are subject to the limitations of that pattern in the number of general education units allowed as P/NP.
4. Students who elect to take a course on a pass/no pass basis must receive approval from their counselor and file a Pass/No Pass Petition in the Admissions and Records Office before the last day of that course transpires..
5. Courses in which this option is available are indicated in the class schedule.
6. Students who elect to be evaluated on a P/NP basis do not have the option of reversing their decision at a later date.
7. Students taking courses on a P/NP basis are held responsible for all assignments and examinations.
8. Courses graded on a P/NP basis are not counted in calculating grade point average; however, they are considered in calculating progress probation/dismissal.
9. Students electing to take courses on a P/NP basis must meet any course prerequisite prior to enrolling in the course.
10. Some courses are offered on a P/NP basis only. These courses are listed in the college catalog.

CREDIT FOR PRIOR LEARNING

Credit for Prior Learning (CPL) is college credit awarded for validated college-level skills and knowledge gained outside of a college classroom. Credit for Prior Learning (CPL) may be awarded only for individually identified courses with subject matter comparable to an individual's prior learning and only for courses listed in the District catalog.

CPL for an identified course may be granted only to an individual who has demonstrated mastery of the course content described in the course outline of record approved by the District's curriculum committee. Subject to the requirements and limitations of Administrative Procedure 4235, District faculty who normally teach the course, in consultation with the appropriate department chair, retain sole discretion to determine whether to consider requests for CPL, whether to award CPL, and which assessment methods may be used

Methods of Assessment

District faculty may use one or more of the following assessment methods:

a. Standard satisfactory score on an Advanced Placement (AP) examination administered by the College Entrance Examination Board.
b. Standard satisfactory score on the College Level Examination Program (CLEP).
c. Standard satisfactory score on the International Baccalaureate (IB) Program.
d. Satisfactory score on other standardized examinations approved by local discipline faculty.
e. Evaluation by local discipline faculty of Joint Services Transcripts.
f. Evaluation by local discipline faculty of industry-recognized credentials and licenses.
g. Satisfactory completion of approved noncredit course(s) equated with credit course(s). Unless the student declines Credit for Prior Learning, the final grade earned in the noncredit course(s) shall be used as the CPL grade for the equated credit course(s).
h. Credit by satisfactory completion of a locally developed examination or assessment administered by District faculty.
i. Satisfactory evaluation by District faculty of student-created portfolios in lieu of completing a comparable course listed in the District catalog.
j. Acceptance by local discipline faculty of an examination or assessment conducted by an institution other than College of the Canyons for purposes of assessing prior learning.
k. High school students enrolled in an approved articulated high school course with the District may be awarded college credit through Credit for Prior Learning.

General Eligibility
To be eligible for CPL, an individual must:

a. Have a current application on file with the District.
b. Be in good standing or have no standing.
c. Request CPL for a course listed in the current District catalog.
d. Meet all prerequisites and enrollment requirements for the course for which CPL is requested.
e. Not be currently enrolled in, or have previously earned credit for, the course or an equivalent course at the District.
f. Not have previously requested CPL for the same course at the District; however, an individual may subsequently enroll in the course for credit if the CPL assessment results in a substandard grade of D, F, or NP.

Units
Units earned through Credit for Prior Learning:

a. Shall not be used for enrollment verification or reporting to insurance companies or similar agencies.
b. May count toward major, general education, certificate, or associate degree requirements, or as elective units, in accordance with District policy and applicable regulations.
c. Are inapplicable toward satisfaction of unit load requirements for purposes such as Selective Service deferment, Veterans benefits, social security benefits, and/or financial aid.
d. May not be used for grade alleviation (forgiveness).
e. Shall be clearly annotated on the student's academic record to reflect that they were earned through Credit for Prior Learning.
f. May or may not transfer to other institutions. Final determination regarding transferability of credit rests with the receiving institution.

For more information regarding Credit for Prior Learning, including approved courses and request procedures, please visit the College of the Canyons Credit for Prior Learning webpage.

For complete information regarding CPL, refer to Board Policy and Administrative Procedure 4235.

Credit for Public Safety Academy Training
Credit for basic recruit academy training instructional programs in Administration of Justice or other public safety occupations shall be granted as follows:

- Unit credit will be given for training from institutions which meet the standards of training of the California Peace Officers Standards and Training Commission or training verified by other public safety agencies.
- A single block of unit credit will be given and identified as academy credit.
- One unit of credit may be granted for each 50 hours, not to exceed 18 semester units or their equivalent.
- Unit credits granted for law enforcement academy training will be posted upon completion of one unit of College of the Canyons coursework.
- Physical education and wellness for the associate degree requirement will be waived.

CREDIT FOR MILITARY SERVICE

A veteran who has completed a continuous active duty period of 181 days or more with the United States military service (Air Force, Army, Coast Guard, Marine Corps and/or Navy), and who was discharged or released from active duty under conditions other than dishonorable, may petition and be allowed credit as follows:

Depending on the branch of service, a veteran will be awarded between three and four units of college credit for completion of Military Basic Training. Two of these units can be used to meet the physical education requirement for both the College of the Canyons associate degree and/or CSU General Education breadth certification. The remaining unit(s) will be posted as elective credit.

The veteran may also receive additional elective credit for formal service school courses offered by the United States military services. Service school transcripts are evaluated and credit granted based on the recommendations by the Commission on Accreditation of Service Experiences of the American Council on Education. A maximum of 18 units will be allowed for military school service.

DIRECTORY INFORMATION

The Santa Clarita Community College District regards the following as "directory information" which can be released to the public: student's name, district provided email address, current enrollment status, dates of attendance, major field of study, degrees and awards received from the District, participation in officially- recognized activities and sports, weight and height of members of athletic teams, the most recent public or private school attended by the student.

If a student desires to withhold directory information, he or she must file a written request with the Admissions and Records Office.

In accordance with the Family Education Rights and Privacy Act of 1974, all other student information, excluding that designated as directory information, cannot be released to a third party without written permission submitted to the college by the student. This law applies to all students attending College of the Canyons, regardless of the student's age.

FAMILIES OF COURSES

Regulations governing the repetition of credit courses in the California Community College system effective Fall 2013 have eliminated repeatability in the Art, Dance, Graphic & Multimedia Design, Kinesiology (activity courses), Media Entertainment Arts, Music, Photography, and Theatre departments. While students will not, in most cases, be allowed to repeat active participatory courses in these departments, students will still be allowed to enroll in a series of active participatory courses that are related in content (commonly referred to as a family of courses) a maximum of four times.

A family of courses may include more than four courses, but students are limited to a maximum of four courses in any family. Further, all grades, including Ws, will count toward the four course enrollment limitation and for computing the grade point average (GPA). Students can repeat Art, Dance, Drama, Music, and PE courses that are included in Families of Courses in which a NP, D, F grade was earned or W was assigned; however, all enrollments count toward the 4 enrollment maximum for each family of courses.

College of the Canyons has developed 49 families of courses which can be accessed at **www.canyons.edu/curriculum**. For further information regarding enrollment into a family of courses, visit the link above or contact the Admissions and Records office.

GRADES

Awarding grades to students is the responsibility of the instructor of the course in which the student is enrolled. Once awarded, grades may not be changed except where evidence is presented that a clerical error has occurred. (See Student Grievance Policy, page 349.) The grading system and grading point equivalent follow:

A	Excellent	4 grade points/units
B	Good	3 grade points/units
C	Satisfactory	2 grade points/units
D	Passing, less than Satisfactory	1 grade point/unit
F	Failing	0 grade points/units
FW	Failing, lack of attendance	0 grade points/units

The I, W, NC, CR, EW, NP, P and IP are not used in computing grade point averages; however, I, W, NP, and NC are used in the calculation of progress probation/dismissal. MW grades are given to students called up to active duty in the military. Upon presentation of orders, an MW grade is awarded for each class for which the student was enrolled, regardless of when the student stopped attending. MW grades are non-evaluative and do not count in computing the grade point average, nor are they used in calculating progress probation/dismissal. Upon returning from active duty, the student is considered a continuing student with no break in attendance. They retain original catalog rights and resume the same level of priority registration. The Excused Withdrawal (EW) occurs when a student is permitted to withdraw from a course(s) due to specific events beyond the control of the student affecting his or her ability to complete a course(s). The EW shall not be counted in progress probation and dismissal calculations, and shall not be counted toward the permitted number of withdrawals or counted as an enrollment attempt. The SP indicates satisfactory progress towards completion of the course (used for non-credit courses only and is not supplanted by any other symbol).

EW	Excused Withdrawal	SP	Satisfactory Progress
W	Withdrawal	MW	Military Withdrawal
CR	Credit	NC	No Credit
P	Pass	NP	No Pass
IP	In Progress	I	Incomplete
RD	Report Delayed		

Note: The grade of incomplete is given only in cases of emergency and when the student is unable to complete the course due to circumstances beyond his/her control usually during the final weeks of the course. Arrangements to receive an "I" must be made with the instructor before the course ends.

To clear an "I" grade, a student must make arrangements with the instructor to make up the grade prior to the end of the ensuing semester in which the incomplete was given. Failure to clear an "I" grade will result in a grade by the instructor given in lieu of completion of the course and could result in an F or FW grade being assigned. An incomplete grade cannot be changed to a W or to NC. Students may not re-enroll in a class in which an "I" is pending.

GRADING REVIEW POLICY AP 5530

REVIEW PROCEDURE

a. General Principles

i. A Student may initiate a grievance about a final grade by submitting a completed "grade review petition" to the Office of Admissions & Records within 180 calendar days after the District makes the disputed grade accessible to the student. A grievant who fails to meet this deadline waives any right to request a change to a final grade and, in that case, the final grade shall remain unchanged.

ii. Student services shall make a "grade review petition" available on its webpage and shall publicize instructions for submitting the grade review petition to the campus community.

iii. The District may change a final grade reflected on a student's record, without the consent of the instructor of record who assigned the grade, only if the grade was improperly assigned due to mistake, fraud, bad faith, or incompetence, as those terms are defined in this procedure and only if established in the manner required by this procedure. Nothing in this procedure may be understood as expanding the lawful grounds

found in Education Code section 76224 upon which a grade may be changed without the assigning faculty member's consent.

iv. The District shall, at all times and for all purposes, presume that a disputed grade was appropriately assigned unless and until the grievant filing the grade review petition meets the standard of proof required to overcome that presumption through evidence of mistake, fraud, bad faith, or incompetence. In the absence of such a factual showing, the instructor's assigned final grade shall remain unchanged.

b. Grievant Initiated Informal Dialogue

i. Before the District may consider a grievant's request for a final grade change, the grievant must first undertake reasonable efforts to contact the faculty member who assigned the disputed grade for the purpose of engaging in a meaningful dialogue about the basis for the disputed grade.

ii. The Chief Instructional Officer (CIO) shall assign a faculty member other than the one who assigned the disputed grade to participate in the dialogue with the grievant if one of the following occurs:

1. The instructor who assigned the disputed grade, in the reasonable judgment of the applicable school dean and after reasonable notice of the request has been provided to that instructor, is unavailable or unwilling to confer about the disputed grade with the grievant.
2. The grievant has filed a complaint with the District alleging unlawful discrimination against the instructor who assigned the disputed grade, in the manner required by applicable District processes, and the discrimination complaint either remains unresolved or the District has already judged it to be meritorious at the time the grievant submitted the grade review petition.
3. The CIO reasonably determines that it is probable that the faculty member who assigned the disputed grade has engaged in gross misconduct in the assignment of that disputed grade.

iii. Any replacement instructor assigned by the CIO to engage in a dialogue with the grievant in place of the instructor who assigned the disputed grade must have taught the course in which the disputed grade was assigned at the District within the three-year period prior to the filing of the grade review petition. If no replacement instructor is qualified or available, the CIO may waive the grievant's obligation to engage in the dialogue process.

c. Hearing by a Panel of the Academic Review Committee

i. If the grievance is not resolved through informal dialogue, or if the CIO has waived the requirement that such informal resolution be pursued, the grade review petition shall be adjudicated by a panel of three members of the Academic Review Committee, including two faculty and one student, following an in-person hearing. The chair of the Academic Review Committee shall appoint the faculty panelists to the panel and designate one as panel chair. In appointing faculty panelists, the chair of the Academic Review Committee shall attempt to appoint members who are likely to be available for the expeditious resolution of the petition, while (1) avoiding the appointment of a person with a known and actual, or reasonably possible, conflict-of-interest and (2) seeking a reasonably proportional distribution of panel appointments throughout an academic year. The CSSO or designee shall appoint the student panelist from the Academic Review Committee members.

ii. All Academic Review Committee members appointed to a panel that will consider a grade review petition submitted by a grievant with whom that appointee has a relationship that could reasonably cause a fair-minded person to doubt their ability to be impartial shall decline the appointment as soon as possible in the process. In addition, a grievant may object, no later than the beginning of the formal hearing, to the appointment of a panelist based on an actual conflict-of-interest or upon facts which may cause a reasonable person to question the panelist's ability to objectively consider the matter. The panel chair must sustain an objection to a faculty panelist when it has been established that the grievant had been on a class roster (after the census date) of a class that the faculty panelist to whom the grievant has objected had taught. When the panel chair sustains an objection to a panelist, the panel hearing shall be postponed and a replacement panelist shall be appointed, either by the Academic Review Committee chair, in the case of a faculty panelist, or the CSSO or designee, in the case of a student panelist, as quickly as possible.

iii. The Academic Review Committee and the Office of Student Services shall work together to schedule hearings on grade review petitions, with student services bearing the administrative responsibility of notifying the grievant and the faculty member who assigned the disputed grade of the date, time, and location of the hearing on the appeal. A grievant who fails to attend the hearing shall forfeit the claims in the petition and any further challenge to the final grade at issue.

iv. A Student services representative shall attend Academic Review Committee hearings in person as an official representative of the District. Both the grievant and, if in attendance, the faculty member who assigned the disputed grade, shall have the right to present relevant evidence at the hearing relating to the alleged mistake, bad faith, fraud, or incompetence, including, but not limited to, oral testimony of themselves or other percipient witness, documentary evidence, video/audio materials, and any other forms of permitted evidence. Each party shall have the right to comment upon the evidence.

v. The District shall not bear the burden of ensuring the attendance of witnesses at the hearing. Instead, each party shall be responsible for procuring the attendance of witnesses, if any, whose testimony the party seeks to utilize.

vi. The Academic Review Committee shall not be required to follow any formal rules of evidence but

shall endeavor to employ fair evidentiary standards and to apply those standards similarly to evidence submitted by any party. When evaluating the credibility of testimony of the faculty member who assigned the disputed grade, the Academic Review Committee may consider and give weight to the faculty member's subject matter expertise, experience as an educator, and status as a District employee tasked with the fair and equitable assessment of student learning.

vii. The grievant shall, at all times, bear the burden of satisfying the burden of proof by establishing that the disputed final grade was improper due to mistake, bad faith, fraud, or incompetence.

viii. Hearings on a grade review petition shall be closed to the public. However, the grievant may be accompanied at the hearing by one other person of the grievant's choosing ("student advisor") and the faculty member who assigned the disputed grade may be accompanied by a member of the campus community of the faculty member's choosing ("faculty advisor"). Neither the student advisor nor the faculty advisor may directly participate in or disrupt the proceedings. The panel chair shall have discretion to terminate the hearing if either third party attempts to participate in, or otherwise disrupts, the hearing. A grievant must notify student services of their intent to invite a student advisor to the hearing no later than two calendar days before the hearing or the panel chair may bar the student advisor from the hearing.

ix. Materials related to the hearing, including electronic recordings of the proceedings, may not be released to the grievant or to any other individual or group. In accordance with FERPA the grievant may submit a written request to the Office of Student Services to inspect and review the materials. The request must be made no less than one week in advance.

d. Academic Review Committee's Resolution of a Grade Review Petition

i. Grade review petitions may only be resolved by a panel of the Academic Review Committee if all three appointed panelists have participated in the decision-making process.

ii. Within one week after the hearing concludes, the panel chair shall deliver to the grievant, the faculty member who assigned the disputed grade, and the CSSO, via District-provided email, a written decision either rejecting or affirming the allegations in the grade review petition of mistake, bad faith, fraud or incompetence. The written decision need not be lengthy but shall provide a reasonably detailed explanation of the evidence upon which the decision is based.

iii. If the Academic Review Committee directs a change in a final grade, the CSSO or designee shall ensure that all necessary records are changed to implement the Academic Review Committee's decision.

iv. The Academic Review Committee's decision on the grade review petition shall be final.

ACADEMIC STANDING

Academic standing is determined exclusively by coursework attempted and completed at College of the Canyons and is calculated at the end of the fall and spring semesters. College of the Canyons has adopted academic standing guidelines, Board Policy 4250 and Board Policy 4251.

Academic Standards Definitions:

A. Units Attempted - For probation, subject to dismissal, and dismissal purposes only, all units of credit in which the student is enrolled at College of the Canyons.

B. Units Enrolled - All units of credit for which the student is enrolled and will earn a notation on the transcript at College of the Canyons.

C. Consecutive Semesters - Enrollment in two semesters (fall and/or spring) or enrollment in one semester, followed by a break, then enrollment in another (fall and/or spring) semester. Summer sessions and intersessions shall not be considered when calculating consecutive semesters.

D. Appeals - For the purpose of this academic standing policy, an appeal is a student-initiated petition to modify the conditions for readmission after academic dismissal.

Standards for Probation

1. **Academic Probation:** Academic probation occurs after the student completes at least 12 graded units at College of the Canyons and at the end of the student's first fall or spring semester when the student's College of the Canyons cumulative grade point average falls below a 2.0.

2. **Progress Probation:** Progress probation occurs after the student attempts at least 12 units at College of the Canyons and at the end of the student's first fall or spring semester when 50% or more of the cumulative units the student attempted at College of the Canyons are withdrawals (W), incompletes (I), and/or No Pass (NP) notations.

College of the Canyons will place a registration hold on the record of students who are on probation and will remove the registration hold from the student's record after the student participates in an intervention designated for probation students.

Standards for Subject-to-Dismissal

1. **Academic Subject-to-Dismissal:** Academic subject-to-dismissal occurs when the student's College of the Canyons cumulative grade point average falls below a 2.0 for the second consecutive fall or spring semester.

2. **Progress Subject-to-Dismissal:** Progress subject-to-dismissal occurs when 50% or more of the cumulative units the student attempted at College of the Canyons are withdrawals (W), incompletes (I), and/or No Pass (NP) notations for the second consecutive fall or spring semester.

College of the Canyons will place a registration hold on the record of students who are on subject-to-dismissal and will remove the registration hold from the student's record after the student participates in an intervention designated for subject-to-dismissal students.

Standards for Dismissal

1. **Academic Dismissal:** Academic dismissal occurs when the student's College of the Canyons cumulative grade point average falls below a 2.0.for the third consecutive fall or spring semester.
2. **Progress Dismissal:** Progress dismissal occurs when 50% or more of the cumulative units the student attempted at College of the Canyons are withdrawals (W), incompletes (I), and/or No Pass (NP) notations for the third consecutive fall or spring semester.

Restoration of Good Standing

1. **Good Academic Standing:** A student can return to good standing when the student's cumulative COC grade point average is a 2.0 or higher.
2. **Good Progress Standing:** A student can return to good standing when the student completes 51% or more of all cumulative COC units attempted with letter (A, B, C, D, F, and/or FW) grades.

Determination of good standing is made at the end of the fall and spring semesters.

Exceptions to Dismissal

A student who is on dismissal may be automatically continued for one semester under the following conditions:

1. **Exception to Academic Dismissal:** Academic dismissal students may continue enrollment for one semester without interruption if he/she/they earn a 2.0 or higher semester GPA in the most recent fall or spring semester at College of the Canyons. The student will remain on Academic dismissal status if the student's cumulative College of the Canyons GPA remains below a 2.0.
2. **Exception to Progress Dismissal:** Progress dismissal students may continue enrollment for one semester without interruption if he/she/they complete 75% or more of his/her/their semester units with letter grades (A, B, C, D, F, and FW) in the most recent fall or spring semester at College of the Canyons. The student will remain on Progress dismissal status if 50% or more of the cumulative units the student attempted at College of the Canyons are withdrawals (W), incompletes (I), and/or No Pass (NP) notations.

Re-admission after Dismissal

A student who is dismissed must sit out one fall or spring semester subsequent to the term the student was placed on dismissal or the student can file a successful appeal.

1. **Sitting out One Semester:** College of the Canyons will remove the registration hold from the student's record after the student sits out one fall or spring semester and meets with a counselor upon his/her/their return to College of the Canyons. The counselor will work with the student to complete a contract for probationary reinstatement.
2. **Dismissal Appeal:** A student can appeal the one-semester dismissal (sitting out). The student has the right to appeal if there were extenuating circumstances that caused the student's dismissal. The written appeal should be submitted to the counseling department. Appeals should be based on the following:
   a. Evidence, based on the academic record, that dismissal status does not reflect the student's usual level of performance.
   b. Circumstances beyond the control of the student, for example, accident or illness.

Students must submit appeals by the deadline established on the dismissal appeal form. If the appeal is approved, the student will remain on dismissal status until he/she/they return to good standing.

TRANSCRIPTS

Transcript Evaluation

Students who submit transcripts from other colleges and universities must request them to be evaluated by submitting a Transcript Evaluation Request form to the Admissions and Records Office. In most cases, units accepted from other institutions will not be posted on College of the Canyons academic transcripts until students have completed 12 units in residence. The most notable exceptions are for students requesting financial aid, military benefits, and completion of at least one unit for IGETC certification on the students' final transcripts. For further information, contact the Admissions and Records Office.

Transcript Requests

Unofficial Transcripts: Students have access to unofficial transcripts through their My Canyons account. Please visit our website at **www.canyons.edu** and click on "**My Canyons**." The student will need a username and password to use this option. If the student does not have a username and password, the student can create one under "**My Canyons Profile**." If the student decides to come on campus to request an unofficial transcript, a picture ID will be required.

Official Transcripts: College of the Canyons has partnered with Parchment to accept official transcript orders via the internet on a secured site. The student can order official transcripts online at **www.canyons.edu** and click on "My Canyons." The student will need a username and password to use this option. If the student does not have a user name and password, the student can create one under "My Canyons Profile." This will eliminate the need to come to the college, stand in line, or mail in a request. This service also allows the student to check on the status of their order and will communicate with them via email about their order.

College of the Canyons provides three processing times for an official transcript. The regular transcript is processed within 7-10 business days. The rush transcript is processed within 2 business days. The on-demand transcript is produced at the time of request.

Two regular transcripts are made available for free. The request for free transcripts may be made in person, by mail, or online through the student's My Canyons account. The cost of a regular transcript is $5, a rush transcript is $10, and an on-demand transcript is $15. College of the Canyons transmits and receives electronic transcripts via the eTranscriptCA network. The student may request their transcripts be sent electronically to select institutions following the same official transcript request process as above.

Degree and Enrollment Verifications

College of the Canyons has authorized the National Student Clearinghouse to provide degree and enrollment

verifications. The National Student Clearinghouse can be contacted at **www.studentclearinghouse.org** or **www.degreeverify.org**. The fax number is (703) 742-4239 and the mailing address is National Student Clearinghouse, 13454 Sunrise Valley Drive, Suite 300, Herndon, VA, 20171. Enrollment verifications for students are free through this service. Employers and entities acting on behalf of the student are required to pay a nominal fee. School of Personal and Professional Learning (noncredit) enrollment verifications must be requested at the School of Personal and Professional Learning office on the Valencia campus, room CHCS-167.

TRANSFER REQUIREMENTS

Transfer curricula information has been compiled to help College of the Canyons students who intend to transfer to another college or university. Each institution of higher learning has its own requirements for admission.

To prepare for continued education, a student must decide to which college or university the student intends to transfer to and then learn the transfer admission and major preparation transfer requirements of that particular college. These requirements can be found in the catalog of that institution or by contacting the admissions department at the desired institution.

Students should also consult the California articulation database ASSIST (**www.assist.org**) for articulation agreements between California Community Colleges and the California State University (CSU) and the University of California (UC) systems. A university may be made up of a number of colleges. The college in which one will do work depends upon the field of study or major. This means that in any institution of higher learning it will be necessary for a student to fulfill three types of requirements:

First, the general university requirements for graduation; second, those set up by the college under which the major department is classified; and third, those set up by the department in which a student majors.

While attending College of the Canyons, a student who plans to transfer to a four-year college or university should take the courses required by the institution(s) the student is preparing to apply to. Since each institution numbers its courses differently, the student must study the course descriptions at both colleges to see if they are equivalent and consult with a counselor.

The student is highly advised to seek counseling assistance as early as possible in planning transfer to a four-year institution. The student should take care in observing the application deadlines that are published by the various institutions. For help on which courses meet transfer requirements for specific majors at various four-year colleges and universities, please see a College of the Canyons counselor.

2026-2027 CALIFORNIA GENERAL EDUCATION TRANSFER CURRICULUM (CAL-GETC)

Completion of all the requirements in the California General Education Transfer Curriculum (Cal-GETC) will permit a student to transfer from a community college to a campus in either the California State University or University of California system without the need after transfer to take additional lower-division general education courses. The course requirements for all areas must be completed before the Cal-GETC can be certified. All courses must be completed with grades of "C" or better ("C-" grades are not acceptable). A minimum of 60 CSU or UC units is required for transfer.

ADDITIONAL CAL-GETC INFORMATION

- (Δ) Indicates courses may be listed in more than one area but shall not be certified in more than one area except for Language Other Than English and American Institutions.
- (†) Indicates that UC, CSU, or both may limit transfer credit. Please consult with a counselor.
- Previously completed courses can only be applied to general education if taken during or after a specific term and year they were approved to be used for general education; please use **www.assist.org** to verify course approval dates.
- AP exam scores of 3, 4, or 5 may be used to satisfy any Cal-GETC subject area except Critical Thinking - English Composition (Area 1B)

Note: Students transferring to a CSU who have Cal-GETC certified as complete will still need to complete 9 semester units of upper-division general education (GE) after transfer and may also be held to other campus-specific graduation requirements outside of general education and major coursework.

AREA 1 - ENGLISH COMMUNICATION

(three courses: one from each group; nine semester or twelve quarter units).

1A-English Composition: **ENGL** C1000, C1000H

1B-Critical Thinking and Composition: **COMM** 227, **ENGL** C1001, C1001H; **ENGL** C1003, **PHILOS** 206
(Course must be taken at a California Community College; AP credit is not applicable).
1C-Oral Communication: **COMM** C1000, C1000H

AREA 2 - MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

(one course, three semester or four quarter units)

ECON 291; **MATH** 100, 103, 103X, 104, 104X, 211, 211X, 212, 213, 214, 215, 240, 240X; **PSYC** 104; **SOCI** 137; **STAT** C1000, C1000E, C1000H

AREA 3 - ARTS AND HUMANITIES

(two courses: one from each group; six semester or eight quarter units)

3A-Arts Courses:
ARCHT 114, 115; **ART** 100, 112, 115, 116; **ARTH** C1100, 1200; **CINEMA** 120, 121, 122, 123, 127, 129, 131; **DANCE** 100; **GMD** 120; **ID** 114, 115; **MEA** 101, 102; **MUSIC** 100, 105, 106, 107, 108, 110, 112; **PHOTO** 140, 150; **THEATR** 100, 110, 111, 220

3B-Humanities Courses:
ANTHRO 210Δ; **ECON** 170Δ, 170HΔ; **ENGL** C1002, C1003, 135, 200, 250, 251, 260, 261, 262, 263, 264, 270, 271, 272, 273, 274, 275, 280, 281; **FRNCH** 201, 202; **HIST** C1001Δ, C1001HΔ, C1002Δ, C1002HΔ, 101Δ, 101HΔ, 102Δ, 115Δ, 116Δ, 117Δ, 120Δ, 120HΔ, 130Δ, 161Δ, 191Δ, 192Δ, 193Δ, 210Δ, 212Δ, 230Δ, 240Δ, 243Δ;

HUMAN 100, 115, 116, 150; **LING** 101; **PHILOS** 101, 101H, 102, 110, 111, 112, 120, 130Δ, 220, 225, 240, 250; **SIGN** 110; SOCI 200Δ, 200HΔ; **SPAN** 201, 202, 240

AREA 4 - SOCIAL AND BEHAVIORAL SCIENCES

(two courses in at least two disciplines - six semester or eight quarter units)

ANTHRO 103Δ, 103H, 105, 120, 210, 220; **CCE** 200; **COMM** 100, 256; **ECE** 101, 102; **ECON** C2001, C2001H, C2002, C2002H, 170Δ, 170HΔ; **ENVRMT** 101; **ETHNST** 101Δ, 102Δ, 103Δ, 104Δ; **GEOGRPH** 102, 104, 105Δ; **GLST** 101, 102; **HLHSCI** 140; **HIST** C1001Δ, C1001HΔ, C1002Δ, C1002HΔ, 101Δ, 101HΔ, 102Δ, 115Δ, 116, 117Δ, 120Δ, 120HΔ, 130Δ, 161Δ, 191Δ, 192Δ, 193Δ, 210Δ, 212Δ, 230Δ, 240Δ, 243Δ; **MEA** 100; **PHILOS** 1130Δ; **POLS** C1000, C1000H, 200, 230, 250, 270, 290; **PSYC** C1000, C1000H, 105, 109, 126, 172, 172H, 225, 230, 235, 240; **SOCI** 101, 101H, 102, 103, 103H, 104, 105, 106, 107, 108, 110, 130, 200Δ, 200HΔ, 205, 207, 208, 210, 230, 233, 250

AREA 5 - PHYSICAL AND BIOLOGICAL SCIENCES

(two courses, one physical science course and one Biological Science course; at least one must include a laboratory, seven or nine quarter units); underlined courses have a laboratory built within them

5A-Physical Sciences:
ASTRON 100†, 102, 104; **CHEM** 100, 151, 151H, 201, 201H, 202, 255, 256; **ENVRMT** 103, 104; **GEOGRPH** 100, 101, 103, 105Δ; **GEOLOGY** 100, 101, 102, 104, 105, 110; **OCEAN** 101; **PHYSCI** 101†; **PHYSIC** 101†, 102†, 110, 111, 210, 211, 220, 221, 222

5B-Biological Sciences:
ANTHRO 101, 101H; **BIOSCI** 100, 100H, 101, 106, 106H, 107, 107H, 115, 116, 119, 130, 132, 140, 201, 202, 204, 205, 221, 240; **GEOLOGY** 103, 111; **OCEAN** 119; **PSYC** 102

5C-Laboratory (with corresponding physical sciences or biological sciences; underlined above courses already fulfill this area):
ANTHRO 101L; **ASTRON** 104; **BIOSCI** 100, 100H, 101, 106, 106H, 107, 107H, 115, 116, 119, 201, 202, 204, 205, 221, 240; **CHEM** 151, 151H, 201, 201H, 202, 255, 256; **ENVRMT** 103; **GEOGRPH** 101; **GEOLOGY** 101, 102, 110, 111; **OCEAN** 101, 119; **PHYSCI** 101; **PHYSIC** 102, 110, 111, 210, 211, 220, 221, 222

AREA 6- ETHNIC STUDIES

(one course, three semester or four quarter units)

ETHNST 101Δ, 102Δ, 104Δ

REQUIREMENTS ARE SUBJECT TO CHANGE

OPTIONAL REQUIREMENTS OUTSIDE OF CAL-GETC

If listed above, courses below can double count for Cal-GETC Area 3 and/or Area 4 requirements

CSU GRADUATION REQUIREMENT: U.S. HISTORY, CONSTITUTION, AND AMERICAN IDEALS (American Institutions)

Three semester or four quarter units required that cover US-1: Historical development of American institutions & ideas, US-2: US Constitution and US-3: state & local government.

At COC, to meet this requirement, you must pick two courses from the following options:

OPTION 1:
One course from: **ECON** 170, 170H, **HIST** C1001, C1001H, C1002, C1002H, 116, 117, 120, 120H, 130, or 230 and **POLS** C1000 or C1000H

– OR –

OPTION 2:
Complete both **HIST** C1001 or C1001H and **HIST** C1002 or C1002H

UC GRADUATION REQUIREMENT: LANGUAGE OTHER THAN ENGLISH (LOTE)

(Proficiency equivalent to two years of high school study - high school transcripts must be on file in admissions OR a score of 3 or better in an AP examination in languages other than English OR completion with 'C' grades or better of 2 years of formal schooling at the sixth-grade level or higher in an institution where the language of instruction is not English – with appropriate documentation)

CHNESE 101, 102; **FRNCH** 101, 102, 201, 202; **GERMAN** 101, 102; **ITAL** 101, 102; **SIGN** 101, 102, 103, 104; **SPAN** 101, 101H, 201, 202



Support Services and Programs



ACADEMIC ACCOMMODATION CENTER (AAC) – FORMERLY DSP&S

College of the Canyons (COC) provides academic accommodations to ensure that students with verified disabilities have an equal opportunity to participate in college courses. COC and the Academic Accommodations Center (AAC), formerly known as DSPS, are dedicated to providing quality services to meet the needs of COC students with disabilities.

The core mission of the AAC is to provide academic adjustments, auxiliary aids, services, and/or instruction that are directly related to the educational limitations of each student with a disability. Our work is guided by the anti-discrimination aims of the Americans with Disabilities Act, Section 504 and Section 508 of the Rehabilitation Act of 1973, and Title 5 of the California Education Code. We provide counseling to assess educational limitations and provide legally mandated reasonable accommodations which empower students to pursue their higher education goals.

The AAC provides reasonable accommodations to students with a wide range of documented disabilities (e.g., physical, cognitive, mental health, communicative, and learning impairments) who are enrolled in classes at COC. Services are available to any student who finds her, his, or their disability to be a barrier to achieving their educational goals. However, only those students who identify themselves to the college and present appropriate documentation of a disability are eligible for academic accommodations. Participation in the AAC is completely voluntary.

Students with disabilities are encouraged to contact the AAC office as soon as they apply to the college. To be eligible to receive services, students must 1) provide disability verification (e.g., an IEP, a 504 Plan, or medical records [an educational psych report] from a physician, psychiatrist, or licensed therapist) and 2) meet with an AAC counselor for an intake appointment.

AAC students are required to meet with an AAC counselor once per academic year (preferably in early June at the start of the summer semester) to update their accommodations.

Services may include:

- Test proctoring in quiet rooms with extended time
- Alternate format services (e-text, large print, Braille)
- Assistive technology instruction
- Computer lab with assistive software (speech-to-text, text-to-speech, magnification, etc.)
- Priority registration
- Notetaking support (e.g. recorders, Livescribe Pens, Genio Notes software)
- Computer Aided Realtime Translation (CART)
- Sign language interpreters
- Specialized furniture
- Disability management counseling
- Liaison to campus programs and departments

The AAC serves as a liaison with the campus and community agencies, on behalf of students with disabilities. Students can visit the AAC in Seco Hall, Room 103 on the Valencia campus or call 661-362- 3341 or email AAC@canyons.edu. Students may also visit us at the Canyon Country campus in the Student Services Learning Resource Center rooms 108, 109, or 110.

Students with verifiable disabilities who do not wish to avail themselves of the services of the AAC may still be eligible for reasonable accommodations and services. Contact the Director of Academic Accommodations at (661) 362- 3347 or email us at **aac@canyons.edu** and state that you desire accommodations separate from the AAC.

CENTRO DE ADAPTACIONES ACADÉMICAS (AAC) - ANTERIORMENTE DSP&S

College of the Canyons (COC) brinda adaptaciones académicas para garantizar que los estudiantes con discapacidades verificadas tengan las mismas oportunidades de participar en cursos universitarios. COC y el Centro de Adaptaciones Académicas (AAC), antes conocido como DSPS, se dedican a brindar servicios de calidad para satisfacer las necesidades de los estudiantes de COC con discapacidades.

La misión central de la AAC es proporcionar ajustes académicos, ayudas auxiliares, servicios y/o instrucción que estén directamente relacionados con las limitaciones educativas de cada estudiante con una discapacidad. Nuestro trabajo se guía por los objetivos contra la discriminación de la Ley de Estadounidenses con Discapacidades, la Sección 504 y la Sección 508 de la Ley de Rehabilitación de 1973 y el Título 5 del Código de Educación de California. Brindamos asesoramiento para evaluar las limitaciones educativas y brindamos adaptaciones razonables exigidas por la ley que capacitan a los estudiantes para alcanzar sus metas de educación superior.

El AAC brinda adaptaciones razonables a los estudiantes con una amplia gama de discapacidades documentadas (por ejemplo, discapacidades físicas, cognitivas, de salud mental, comunicativas y de aprendizaje) que están inscritos en clases en COC. Los servicios están disponibles para cualquier estudiante que encuentre que su discapacidad o la de ellos es una barrera para lograr sus metas educativas. Sin embargo, solo aquellos estudiantes que se identifiquen ante la universidad y presenten la documentación adecuada de una discapacidad son elegibles para adaptaciones. La participación en la AAC es completamente voluntaria.

Se alienta a los estudiantes con discapacidades a que se comuniquen con la oficina de AAC tan pronto como presenten su solicitud para la universidad. Para ser elegible para recibir servicios, los estudiantes deben 1) proporcionar verificación de discapacidad (por ejemplo, un IEP, un Plan 504 y registros médicos [un informe psicológico educativo] de un médico, psiquiatra o terapeuta autorizado) y 2) reunirse con un consejero de AAC para una cita de admisión.

Los estudiantes de AAC deben reunirse con un consejero de AAC una vez por año académico (entre principios de junio al comienzo del semestre de verano y enero o febrero al comienzo del semestre de primavera) para actualizar sus adaptaciones.

Los servicios pueden incluir:

- Supervisión de la prueba en una habitación tranquila con tiempo adicional
- Servicios de formato alternativo (texto electrónico, impresión grande, Braille)
- Instrucción de tecnología de asistencia
- Laboratorio de computación con software de asistencia (voz a texto, ampliación, etc.)

- Registro prioritario
- Apoyo para tomar notas (p. ej., registradores, bolígrafos Livescribe, el programa de Notas Genio)
- Traducción en tiempo real asistida por computadora (CART)
- Intérpretes de lengua de signos
- Mobiliario especializado
- Asesoramiento en gestión de discapacidades
- Enlace con los programas y departamentos del campus

El AAC sirve como enlace con el campus y las agencias comunitarias, en nombre de los estudiantes con discapacidades. Los estudiantes pueden visitar el AAC en Seco Hall, Room 103 en el campus de Valencia o llamar al 661-362-3341 o enviar un correo electrónico a AAC@canyons.edu. Los estudiantes también pueden visitarnos en el campus de Canyon Country en el Centro de Recursos de Aprendizaje de Servicios Estudiantiles, salas 108, 109 o 110.

Los estudiantes con discapacidades comprobables que no deseen aprovechar los servicios de AAC aún pueden ser elegibles para servicios y adaptaciones razonables. Comuníquese con el Decano de Servicios Estudiantiles al (661) 362-3260 o envíenos un correo electrónico a **aac@canyons.edu** e indique que desea alojamiento separado del AAC.

ACADEMY OF THE CANYONS

College of the Canyons has several important partnerships with the William S. Hart Union High School District. One of them is Academy of the Canyons, located in the Dr. Dianne G. Van Hook University Center on the Valencia Campus.

Academy of the Canyons (AOC) began as a middle college high school in which 11th- and 12th-grade students could take required high school classes and college classes at the same time.

AOC is now a four-year high school blending both the middle college and early college initiatives. This program is designed for students who are mature and ready for a college campus experience. Applications are made through the high school district. For information regarding AOC, contact the principal at (661) 362-3056 or visit **www.academyofthecanyons.com**.

BASIC NEEDS CENTER

The **Basic Needs Center** is a vital resource for in-need students at College of the Canyons. Located in the Student Center, room 123, on the Valencia campus and Quad 1A on the Canyon Country campus, the Basic Needs Center provides essential services to qualifying, currently enrolled College of the Canyons students including:

1. **Food:** Students can access grab-and-go snack items, single-serve items, and canned goods.
2. **Clothing:** Seasonal clothing and business attire for interviews.
3. **Personal Hygiene Products:** Students can obtain essential hygiene items.
4. **CalFresh & Medi-Cal Assistance:** Assists with sign-up and provides guidance for these programs.
5. **Housing Referral Assistance:** Students can get help finding housing resources.
6. **Emergency Grant Application:** If students face unexpected financial emergencies, they can apply for emergency grants through the Basic Needs Center.

To receive in-person services, students can complete the Basic Needs Center Registration Form (found on the Basic Needs Center webpage) or contact the Basic Needs Center directly at (661) 362-3375 or banc@canyons.edu. You can also visit the Basic Needs Center webpage for hours and further information at **www.canyons.edu/BaNC**.

BOOKSTORE

The College of the Canyons bookstore, located in Room STCN-134A of the Student Center building on the Valencia Campus, serves the general needs of the student body. The College of the Canyons bookstore is your source for rental, digital, used and new books.

The store stocks current semester textbooks, reference materials, paperbacks, clothing, gifts, school supplies and snacks for sale to students, faculty and campus visitors.

Hours

Please visit the College of the Canyons bookstore website at **www.coc.bncollege.com**.

Buyback

The best time for students to sell back their books and potentially receive up to 50% of the retail price back is during finals week in May and December.

All books sold back must be in good condition without water damage, missing pages or excessive writing. The covers of the books must be in good condition without tears or spine damage.

Website

Textbooks, COC clothing and gifts and school supplies may be purchased 24 hours a day at the bookstore website at **www.coc.bncollege.com**. Customers can request that orders be picked up at the Valencia campus bookstore location or shipped for their convenience. Please visit the website for additional information and updates including current store hours.

The bookstore app can also be downloaded to your Android and Apple phone to keep you current on the status of your online orders and store promotions. Click on the App Store and search for My College Bookstore.

Refund Policy

Textbooks:

- Full refund, if returned within the first week of class, in your original form of payment with a receipt.
- With a proof of schedule change, a full refund will be given in your original form of payment with a receipt during the first 30 days of classes.
- No refunds or exchanges given on textbooks without a receipt.
- No refunds given on custom course materials, outlines or study guides.
- Textbooks must be in original condition with no opened shrink-wrap for full refund.

All Other Merchandise:

- Full refund in your original form of payment with a receipt within 30 days of purchase.
- No refunds given on prepaid phone cards.
- All merchandise must be in original condition with a receipt.

CALWORKS PROGRAM

CalWORKs is a state-funded program designed to support students who are receiving cash aid (i.e., TANF) and are parents of dependent children. The program offers personalized services to help eligible students achieve their educational goals and successfully transition from community college to the workforce or a four-year university.

Students may be eligible to receive:

- Priority registration for classes.
- Participate in Work-Study opportunities where all earnings are fully exempt from affecting cash aid.
- Personalized counseling (academic, career, and personal) in a supportive, student-centered environment.
- Confidential liaison services connecting students with the College, the Department of Public Social Services (DPSS), GAIN, and other partner agencies.
- Referrals to both on- and off-campus community resources as needed.
- Comprehensive case management and coordination of supportive services.

CalWORKs Eligibility Criteria

1. The Student must: Be a legal resident of the state of California.
2. Be receiving cash aid (i.e. TANF).
3. Remain in compliance with DPSS and GAIN program requirements.
4. Attend a CalWORKs orientation and complete the onboarding process.
5. Be in compliance with the College CalWORKs program requirements.
6. Make satisfactory academic progress (as defined by college policies) toward a certificate or degree that leads to employment, with a minimum GPA of 2.0.

CalWORKs is part of the Empowerment Programs at College of the Canyons and; located in the **Student Support Center (SSC-117)** on the **Valencia Campus,** and at **Student Services & Learning Resources (CCSS) 111** on the **Canyon Country Campus.** For more information, call (661) 362-3271 or visit **www.canyons.edu/calworks**.

CAMPUS EVENTS & FACILITY USE

The Campus Events & Facility Use office is responsible for processing facility requests for use of the college facilities. It supports the scheduling, coordination, and rental of campus spaces for the college and community events, as well as all filming on both campuses. The office helps manage reservations for conference rooms, meeting rooms, athletic facilities, the University Center and other venues, while also coordinating the logistics needed to support successful events. It works with departments such as custodial, grounds, maintenance, IT, campus safety, audiovisual, food service, and other support areas to ensure event needs are addressed. Facility requests are available online at **www.cocevents.org**. Please submit a request at least two weeks prior to the event/needs. Facility use questions can be answered by calling (661) 362-2579.

CAMPUS LIFE AND STUDENT ENGAGEMENT

Students are strongly encouraged to become involved in co-curricular activities and opportunities for enrichment outside the classroom. These activities can be found on campus, online, or in the surrounding community. Participation in such activities helps students apply, in practical situations, the theory they learn in the classroom. Benefits include leadership development, skill-building, interacting with people and understanding group dynamics, all of which can be utilized throughout one's life

Information about all of the following programs and services can be obtained by stopping by the Campus Life & Student Engagement office located in the Student Center, room 102 on the Valencia Campus and CCC-1A at the Canyon Country Campus.

Associated Student Government (ASG)

The purpose of the Associated Student Government (ASG) is to promote the general welfare of the students, to guarantee equality of opportunity among students, to offer experience in the practice of American democratic government, and to encourage participation in planning student activities as permitted under the Education Code of the State of California and the policies of the Board of Trustees of the Santa Clarita Community College District.

The officers of the student government are elected by the student body to represent all students in interactions with the college administration, staff and faculty, and with state legislators and statewide organizations. Student government personnel serve on district committees and represent student viewpoints and opinions on matters of policy, curriculum, and other college issues.

The activity program supported by the ASG is a college-wide enterprise. Its operation is a direct benefit to each student. Cooperative financial support enables students to pay their own way for value received and at the same time makes a better and more extensive program possible.

ASG Benefits/Student Support Fee

The Associated Student Government provides benefits to all students who pay the Student Support Fee at the time of registration, each term. The revenue generated from the Student Support Fee funds student services, programs and campus activities that benefit all students and the campus.

ASG benefits also include reduced rates or free admission to most ASG-sponsored programs and activities such as concerts, athletic events, and lectures, as well as the following (subject to change without notice):

- Free 25 Score Card (10-50% discount to 650+ merchants; learn more at www.25score.com)
- Discount movie tickets for Regal, AMC, and Cinemark theaters. To purchase, go to STCN-102, Valencia Campus or Canyon Country Campus, room 204.
- Discount tickets and coupons to Southern California theme parks and attractions.
- Free printing at multiple locations.
- Free entry to all COC home athletic events.
- Use of the ASG Study Lounge at the Canyon Country campus (CCC 1-B).
- Free DoorDash DashPass (while supplies last).
- ASG scholarship opportunities (apply during the spring semester through the Financial Aid Department).

Note: Benefits subject to change without notice.

To receive a refund of the optional Student Support Fee, a student must opt out by the refund deadline date on the student's individual class printout. Opting out of the fee and all of its associated benefits must be done in person during the registration period for the semester or term in question at any of the following locations: Campus Life & Student

Engagement, Student Center, room 102; or the Student Business Office, first floor of Canyons Hall on the Valencia Campus; or CCC-1A at the Canyon Country Campus during posted business hours. After the refund deadline date for the semester/term has passed, students enrolling for late start classes may opt out within one week of their initial enrollment. For more information, please check the Campus Life & Student Engagement webpage at: **www.canyons.edu/campuslife** or email questions to **campus.life@canyons.edu**.

Clubs and Organizations
Many opportunities for involvement exist through membership and participation in student clubs and organizations. More than seven dozen charters are on file for a variety of clubs and organizations. Please check with Campus Life & Student Engagement for currently active clubs and organizations.

Students are encouraged to develop new special interest groups on campus in addition to those which already exist. Before a new group is recognized officially, a constitution must be submitted and approved for charter by Campus Life & Student Engagement, the ASG, and the Inter-Club Council.

Campus Life & Student Engagement Events
Campus Life & Student Engagement hosts several events throughout the year which focus on providing opportunities for students to enhance their college experience.

Cougar Fest
Cougar Fest is an event held every Fall/Spring semester and is geared towards welcoming new and returning students to College of the Canyons by helping them connect to the numerous resources available on campus.

Grad Fair
Grad Fair is held each spring semester to help students take care of all of their graduation needs at one time. This includes purchasing their cap and gown, checking the spelling of their name for their diploma and commencement program, RSVP for the Valedictorian Recognition Ceremony, RSVP for the Commencement ceremony, and purchase a wide variety of commencement merchandise.

Valedictorian Recognition Ceremony
At the end of each spring semester, Campus Life & Student Engagement organizes a ceremony to honor the achievement of students for maintaining a grade point average of 4.0 in all cumulative degree applicable units from regionally-accredited colleges attended prior to the spring semester at College of the Canyons. Each honoree is presented with a medallion to be worn at the Commencement ceremony.

Commencement Ceremony
Campus Life & Student Engagement organizes the annual Commencement ceremony for students graduating in the prior fall semester, current spring semester, or upcoming summer session. Information about the Commencement ceremony is provided to graduating students each spring semester and is posted on the Campus Life & Student Engagement's website.

Digital Student ID
All students are encouraged to obtain a digital student ID through Campus Life & Student Engagement. Besides serving as a form of photo identification, the student ID is also used by many departments providing student services such as the tutorial lab, fitness center, and the library, which uses the card for books and materials checkout.

Student Bus Passes
Students may stop by Campus Life & Student Engagement to purchase a monthly TAP card which will provide students with local Santa Clarita Transit bus transportation throughout the Santa Clarita Valley. Students are encouraged to keep their TAP card and stop by Campus Life & Student Engagement each month to purchase the monthly fare which will be loaded onto their existing card.

CAMPUS SAFETY DEPARTMENT

The campus safety department is committed to providing and maintaining a safe and secure instructional environment while respecting the rights and dignity of individuals utilizing programs and facilities of College of the Canyons. The mission shall be accomplished within the constraints of federal, state and local laws and ordinances.

Valencia Campus:
Campus Safety Office X-8
Monday – Friday 8:00 A.M. – 4:30 P.M
661-362-5089
On-Duty Cell: 661-510-3882

Canyon Country Campus:
Campus Safety Office 511
Monday – Friday 8:00 A.M. – 4:30 P.M
661-362-5089
On-Duty Cell: 661-666-8738

For Life Threatening Emergencies dial 911

CANYONS PROMISE

Canyons Promise is an academic student success program. We are dedicated to expanding student resources by removing obstacles and barriers to student services that often inhibit student access to higher education. Exclusively for eligible first-time college students who enroll full-time, Canyons Promise provides high-touch academic/counseling contact, peer collaboration, and the financial assistance proven to increase student success.

Applications for new fall cohorts are accepted in the spring semester. For more information visit **www.canyons.edu/Promise**.

CAREER SERVICES

Career Services supports current students and alumni with a wide range of career resources. Whether you're seeking part-time work, full-time employment, or internship opportunities, our job developers are here to guide you every step of the way. We offer personalized assistance with job and internship searches, resume and cover letter development, interview preparation, and access to daily postings on our job board. We also help students leverage LinkedIn to build their professional presence and stay connected after college. Throughout the year, we host workshops, orientations, and career-focused job fairs—including our signature fall and spring events open to both students and the community. Appointments with a job developer are available in person or virtually. To connect with us, call (661) 362-3286, visit us on the Valencia campus in X-6, or email us at careerservices@canyons.edu

CHILD CARE ON CAMPUS

The Children's Program in the Valencia Campus Center for Early Childhood Education has child care openings for financially qualified student-parents of children 12 months by the start of the fall semester to five years of age. The Children's Program on the Canyon Country Campus has child care openings for financially qualified student parents of children three and four years old by December 2 of the school year.

Students and staff/employees who do not financially qualify for subsidized childcare will receive priority status on the waitlist for childcare with a monthly tuition fee. Childcare is open to students, staff/employees and community members.

For information on morning, all-day sessions and/or to see if you qualify, please call (661) 362-3501.

Under various state-funded programs, free and sliding scale enrollment may be possible. Openings are limited and subject to specific state requirements.

COOPERATIVE AGENCIES RESOURCES FOR EDUCATION (CARE)

CARE is a state-funded program designed to support single parents who are receiving cash aid. Since 1998, CARE has been a collaborative effort among the California Employment Development Department, the Department of Public Social Services, the California Community Colleges Chancellor's Office, and College of the Canyons. The program is committed to helping students achieve their educational and career goals by providing academic, financial, and emotional support, all while promoting self-sufficiency and student success.

CARE services may include (but are not limited to):

- Academic Counseling
- Book vouchers
- CARE unmet need grant
- Car repair reimbursement
- Parenting workshops
- Mental health & wellness referrals
- On-campus & community resource referrals
- Other services based on individual eligibility and need

To qualify for the CARE program, a student must:

- Be eligible for EOPS
- Apply for financial aid
- Be 18 years of age or older
- Be single and head of household

  Note: If married but spouse is currently incarcerated, students may still be considered head of household by the county
- Have a dependent child in your custody
- Be enrolled in 12 or more units (full-time) upon entrance into the program
- Be pursuing a certificate, associate degree, or transfer program
- Be a legal California resident for at least one year
- Currently receive CalWORKs, TANF, or CARE cash aid (either the student or their child must be receiving aid)

CARE is part of the Empowerment Programs at College of the Canyons and; located in the **Student Support Center (SSC-117)** on the **Valencia Campus,** and at **Student Services & Learning Resources (CCSS) 111** on the **Canyon Country Campus.**

For more information, call (661) 362-3279 or visit **www.canyons.edu/eops**.

COUNSELING OFFICE (ACADEMIC, CAREER, TRANSFER)

The mission of the Academic, Career, and Transfer (ACT) Counseling Office is to provide students with educational, career, and life skills counseling—centered on academic performance—that supports their success at College of the Canyons.

The counseling office supports students in developing the skills, confidence, and help-seeking behaviors needed to succeed in college and beyond. We provide counseling services through appointments, drop-in support, and workshops, where we:

- **DIRECT** students in reaching their academic goals by helping them create education plans tailored to their needs and life goals
- Recognize the **VALUE** of each student's skills, strengths, and interests through career exploration, assessments, and major research
- Support students in staying **FOCUSED** on reaching their goals by providing workforce preparation and transfer guidance to four-year colleges and universities
- **NURTURE** a supportive and safe space to discuss academic and personal challenges
- **CONNECT** to the educational opportunities at the college, as well as campus and community resources
- **ENGAGE** in advocating for student access and equitable practices

Students are strongly encouraged to visit the counseling office at either the Valencia or Canyon Country campus, or access the counseling webpage at **www.canyons.edu/counseling** to schedule appointments, register for student success workshops, or explore transfer resources, and much more.

Counseling appointments are offered both in person and online to help meet students' varying needs. Appointments are released up to two weeks in advance and, due to high demand, often fill quickly. Students are encouraged to check the scheduling system regularly for newly available appointments.

Students participating in the following programs may also receive counseling support through their respective program counselors: Athletics, Academic Accommodation Center (AAC), Canyons Promise, Empowerment Programs (CalWORKs, EOPS, Inspire Scholars/NextUp), MESA, Project SOL, Umoja, Veterans Resource Center, and International Services & Programs. Because these programs typically serve a smaller student population, students may experience greater appointment availability through their program-specific counseling services.

DIVISION OF WORKFORCE AND ECONOMIC ADVANCEMENT

Increasing the capacity of College of the Canyons to achieve its mission and to identify, create and deliver services that

promote the growth and prosperity of business and to develop the current and future workforce in the region by partnering with organizations and delivering just-in-time business solutions.

- Developing the future workforce
- Customized training solutions for today's companies
- World-class certification courses
- Equipping businesses with the tools to grow

http://www.canyonsworkforce.org/
(661) 362-5562

SERVICES FOR THE COMMUNITY:

Center for Applied Competitive Technologies (CACT)
The College of the Canyons CACT is dedicated to helping California manufacturers compete successfully in the global marketplace by providing them with a single point, hands-on access to advanced technology training. COC's CACT is a facility resource for conducting "Fast Track" training classes for industries. In particular, the Uniquely Abled Academy (UAA), which is a collaborative program that trains high functioning individuals with autism, entry level Computer Numerical Control (CNC) machining skills. The UAA also effectively places graduates in manufacturing careers with local employers.

Employer Engagement
Employer Engagement is a joint effort through the Division of Workforce and Economic Advancement, office of instruction, and student services. We foster and maintain effective relationships with business, industry, and community-based organizations to create opportunities for workforce development. These activities consist of preparing the current workforce with the knowledge, skills, and abilities they need, and identifying workforce ready candidates to be placed in internships, apprenticeships, and job placement with regional employers.

Employee Training Institute (ETI)
The College of the Canyons Employee Training Institute designs and delivers training programs which are customized to the needs of individual businesses and organizations. Training classes and services are offered at the client's site or at one of several college training locations. Class schedules are flexible and are offered before, during, and after business hours. Training courses are short or long-term, ranging from a single workshop to a series that runs over several months. In addition, ETI offers employers access to state training funds through the Employment Training Panel (ETP). ETI's multiple employer contract with the state allows companies to maximize their training dollars, improve and strengthen their employees' skills, and remain productive and successful in today's competitive marketplace. Contact us: (661) 362-3245

Fast Track Institute
The institute provides fast-paced, intensive, job preparation programs for job seekers, mid-career professionals, recent high school graduates and other community members looking for an opportunity to quickly jumpstart their career. Fast Track has two major focuses: entry level skills and professional certifications. Fast Track entry-level courses teach the job skills needed to quickly begin working in local businesses and industries where applicants with up-to-date training are in high demand. Most Fast Track courses take only a few months to complete, and result in participants completing a complement of skill competencies they can share with potential employers. The Uniquely Abled Academy (UAA) and the Low Observable Technician (LO) are successful, award-winning Fast Track curriculum offered within our division.

Small Business Development Center (SBDC)
The College of the Canyons Small Business Development Center provides free one on-one business advising and trainings to entrepreneurs and business owners to help create economic impact through business starts, jobs supported, sales growth, and access to capital. The College of the Canyons SBDC serves the Santa Clarita Valley, Antelope Valley and San Fernando Valley.

Contact us: **www.cocsbdc.org** or call 661.362.5900

EXTENDED OPPORTUNITY PROGRAMS AND SERVICES (EOPS)

Extended Opportunity Programs and Services (EOPS) is a state-funded student support and retention program that has served California community colleges for over 55 years. The program is designed to assist students from educationally and economically disadvantaged backgrounds in reaching their academic and career goals. EOPS supports eligible students throughout their journey at College of the Canyons and helps prepare them for transfer to a university or entry into the workforce.

EOPS offers services that go beyond traditional college support, including:

- Academic, vocational, and career counseling
- Priority registration
- Textbook vouchers and/or grants
- School supplies
- Meal & transportation assistance (contingent on funding)
- Financial aid referrals
- University & transfer assistance
- Tutoring services and referrals
- Laptop & textbook lending
- College success & life skills workshops
- Cultural responsive events
- Access to a dedicated study lab
- Other services based on individual needs

EOPS Eligibility Criteria
To qualify for the EOPS program, students must:

1. Be enrolled full-time (minimum 12 units), or at least 6 units if receiving accommodations through the Academic Accommodation Center (formerly DSPS)
2. Be considered a California resident for tuition purposes (including AB540/SB68/AB2000 eligible students)
3. Be eligible for the California College Promise Grant (CCPG) A, B, or D
4. Have completed fewer than 70-degree applicable units from all colleges/ universities attended
5. Demonstrate an educational need as defined by EOPS guidelines

EOPS is part of the Empowerment Programs at College of the Canyons and; located in the **Student Support Center (SSC-117)** on the **Valencia Campus,** and at **Student Services & Learning Resources (CCSS) 111** on the **Canyon Country Campus.**

For more information about the program or to apply for EOPS, call (661) 362-3279 or visit us online at: **www.canyons.edu/eops**

PROGRAMA Y SERVICIO DE OPORTUNIDAD EXTENDIDA (EOPS)

El Programa y Servicio de Oportunidad Extendida (EOPS en inglés) es un programa estatal de apoyo estudiantil y retención que ha servido a los colegios comunitarios de California por más de 55 años. EOPS está diseñado para ayudar a estudiantes quienes enfrentan desventajas económicas y educativas.

EOPS apoya a los estudiantes elegibles durante su trayectoria en College of the Canyons, preparándolos para transferirse a una universidad o ingresar al mundo laboral.

EOPS forma parte de los Programas de Empoderamiento (Empowerment Programs) en College of the Canyons. Para obtener solicitudes or para mas información, visítanos en el **Centro de Apoyo Estudiantil (SSC-117)** en el campus de Valencia de **lunes a viernes**, o en **Servicios Estudiantiles y Recursos de Aprendizaje (CCSS 111)** en el campus de Canyon Country, los **lunes a jueves.**

Para más información, llame al (661) 362-3279 o visite: **www.canyons.edu/eops**

FINANCIAL AID AND SCHOLARSHIP PROGRAMS

Federally and state-funded student financial aid provides access to a college education to those students who otherwise would not be able to afford one. The financial aid office provides a complete array of student services that are designed to help students with educationally-related expenses pay for their college education.

COC participates in these financial aid programs:

- California College Promise Grant
- Cal Grants
- Federal Pell Grant
- Federal Supplemental Educational Opportunity Grant
- Federal Workstudy
- Federal Direct Loans
  - — Subsidized
  - — Unsubsidized
  - — PLUS (Parent Loan for Undergraduate Students)
- Student Success Completion Grant

Grant, loan or workstudy job opportunities may be available to any College of the Canyons student who establishes financial need by completing the financial aid process. Students who are US Citizens, permanent residents, or eligible non-citizens should complete the FAFSA at **www.fafsa.gov.** Undocumented students, DACA recipients (valid/expired), U Visa holders, students with Temporary Protected Status (TPS) and who meet AB 540 requirements should complete the CA Dream Act Application at **www.dream.csac.ca.gov.** Eligible students will be awarded financial aid through various types of programs as funding is available. Eligible applicants will be expected to maintain standards of progress to remain eligible for financial aid.

Additional information and criteria for each of the grant, loan and work study programs can be obtained on the College of the Canyons Financial Aid webpage at **www.canyons.edu/money4college**. Additional information regarding financial aid services is available in the financial aid office located in CHCS-142, or by calling (661) 362-3215, or email at finaid@canyons.edu. On the Canyon Country Campus go to CCSS 2nd floor or call (661) 362-3215.

California College Promise Grant (CCPG)

The California College Promise Grant (CCPG) program waives enrollment fees for eligible students for the academic year. A student may receive a waiver for any number of units, with no minimum. The CCPG waives ENROLLMENT FEES only. Students are responsible for paying any fees not covered by the CCPG at the time of registration to avoid being dropped for non-payment.

Students must meet academic and progress standards at College of the Canyons in order to remain eligible for the fee waiver. Students can apply for the CCPG by completing the Free Application for Federal Student Aid (FAFSA) at **www.fafsa.gov**. For more information on the CCPG program, visit the Financial Aid Office website at **www.canyons.edu/money4college**.

Grants

A grant is an award, based upon demonstrated financial need and other criteria, that does NOT have to be repaid. The College participates in the Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Cal Grants, and Student Success Completion Grant.

Loans

Low-interest loans made by the Federal government, are available to students to help pay for education costs. College of the Canyons offers three types of Federal Stafford student loans – subsidized, unsubsidized and PLUS loans. The Stafford student loans must be repaid by the student usually beginning six months after leaving college. Current and former students who are in default on their Federal Stafford Loan will not be permitted to receive financial aid, grades, transcripts, or diplomas, nor will copies of their grades be forwarded to other institutions.

SCHOLARSHIP PROGRAMS

College of the Canyons offers two types of scholarship programs:

College of the Canyons Scholarship Awards

Students applying for the annual College of the Canyons scholarship awards program must submit an online scholarship application. Applications are available annually in February at **www.canyons.edu/scholarships**. Student notification is in May for awards which will be disbursed in the following academic year.

Outside Scholarships

In addition to the annual program for students, many community groups and organizations also sponsor student scholarships as a means of expressing confidence in College of the Canyons students. Scholarships usually range in amounts from $200 to $2500 and are made available intermittently throughout the year. Student eligibility varies according to each individual scholarship; therefore, scholarship applications must be filed for each individual scholarship for which the student wishes to be considered. Scholarship deadlines vary. Scholarships have pre-established criteria which may include any or all of the following: academic merit, specific educational major, financial need, college/community involvement, and/or transfer to 4-year college/university. Scholarship applications

may also require letters of recommendation.

An up-to-date listing of available scholarships is available on the Financial Aid webpage at **www.canyons.edu/money4college**. Further information is available from the financial aid office which is located in CHCS-142, (661) 362-3215. Information is also available at the Canyon Country Campus, call (661) 362-3215 or go to CCSS 2nd floor.

Student Employment - Work-Study
The Federal Workstudy Program (FWS) allows students to earn money for their educationally-related expenses through a variety of on-campus work-study positions. These positions are usually tied to community service or to the student's educational major. Federal work-study is awarded through the FAFSA application and funding is limited. While participating in the Federal Work-study program, a student must be enrolled at least half-time (six or more units) and maintain a minimum 2.0 GPA.

HOUSING

The College is a community college serving primarily the students who live within the Santa Clarita Community College District. Most of the students reside within commuting distance of the campus. The college provides no campus housing. **International students and students from out-of-state may contact the International Services & Programs office for support on housing solutions in the Santa Clarita Valley.**

INTERNATIONAL SERVICES & PROGRAMS (ISP)

ISP assists visa-holders to pursue an education at COC, with its primary focus on international students with F visa. The ISP office supports prospective and current students in meeting academic objectives for completing a course of study and/or transferring to bachelor's degree programs around the country. In addition, ISP's Intensive English Language Program (IELP) helps students improve their English proficiency level so they can succeed in college credit courses. ISP also runs short-term cultural experience programs that provide prospective students an insight to the U.S. academic environment. ISP is the main check-in and monitoring point for students to learn about the services available on and off campus. In addition, ISP supports education abroad opportunities for all COC students. ISP can be reached at ISP@canyons.edu and 661-362-3580.

LEARNING RESOURCES

The primary goal of learning resources is to support the college curriculum. To achieve this goal, learning resources, primarily through the library and the TLC lab, provides services and materials to assist instruction, enhance student success, and support life-long learning.

Online Education
Online education opportunities support the District's mission to provide education, training, and lifelong learning opportunities to all who seek them. Technology is utilized to make a wide range of college courses available to students unable or who do not wish to attend traditional on-campus classes. Online education currently includes three formats: online, hybrid, and educational travel. Each of these options offers a variety of learning opportunities and delivery methods and are listed in each schedule of classes and at **www.canyons.edu/onlineeducation** or call (661) 362-3600.

Online Classes
Online classes require no on-campus meetings. Note: Some classes may require proctored testing that can be arranged through the college's TLC on the Valencia campus. To access the class, regular access to a computer with Internet access is required. Communication occurs with instructor(s) and other online students using communication tools within an online classroom.

Hybrid Online-based Classes
Hybrid classes meet on campus at least once during the semester with remaining classwork conducted online via the Internet. There may also be on-campus orientation meetings and periodic on-campus testing. The same level of technology as used with online classes is required.

Library
The college library serves students, staff, faculty, and the community. Services include reference assistance, instruction, copy machines, group study rooms, course reserves, and interlibrary loans. Printing from many computer stations is possible with the purchase of a print card in the library or TLC Lab. Materials include books, magazines, and newspapers; audiovisual media such as DVDs and CDs are also available. A number of online databases are accessible to students, faculty, and staff on campus and at home; these include Academic Search Complete, JSTOR, Nexis Uni, ProQuest, and the EBSCOhost eBook Collection.

The library on the Canyon Country Campus is located in Room 307.

The library website, with links to online databases, the online catalog, and many special resources, can be accessed at **www.canyons.edu/library**.

Tutoring - The Tutoring & Learning Center (TLC)
The Tutoring & Learning Center (TLC) provides free tutoring and academic support for College of the Canyons coursework in STEM, writing in any discipline, computer science and many other fields for students registered at College of the Canyons. Drop-in tutoring takes place both in-person and online. TLC offers supplemental learning in the form of group workshops, Guided Learning Activities (GLAs), and test review jams. TLC's writing center offers specialized services for student athletes and students for whom English is not their primary language.

Students can use TLC computers (MACs and PCs) equipped with multimedia and specialized software for a variety of coursework. Other services for students include Canvas support and test proctoring for COC and outside university classes.

The Valencia campus TLC is located adjacent to the Library in LTLC-126. The Canyon Country campus TLC is located in the Student Services building on the 3rd floor, in CCSS-315. Student ID number is required. For further information please visit The Tutoring & Learning Center's webpage at **www.canyons.edu/TLC** or call (661) 362-3662.

MATHEMATICS, ENGINEERING, SCIENCE ACHIEVEMENT (MESA)

Mathematics, Engineering, Science Achievement (MESA) is an enrichment program for students majoring in math, engineering, physics, computer science, biology and chemistry. Participation in the program helps to build the

skills needed to be successful in math and science courses at COC and beyond. We will also assist with the transfer process. Academic excellence workshops help in gaining content mastery for courses such as calculus, physics and chemistry. The program also supports the development of student learning networks, access to technology, academic advisement, and many other support services. The MESA Student Study Center, located in Aliso Lab, room ALLB-114 on the Valencia Campus, provides a learning community where students can study, participate in workshops, and receive free academic support. For more information about the program please call (661) 362-3448 or go to our website **www.canyons.edu/MESA**.

PARKING AND TRAFFIC REGULATIONS

All parking on the Valencia and Canyon Country campus property always requires a valid parking permit. Possession of a parking permit does not guarantee the availability of a parking space. Parking is authorized only in the areas designated for the type of permit issued. Parking must be in full accordance with the signs posted and/or these written regulations. Permits are required in all lots seven days a week, 24 hours a day, 365 days of the year. Student permits are valid in marked stalls in student lots only. There is NO overnight parking or parking for 24 or more consecutive hours without permission from the campus safety department.

Citations

The campus safety department receives its authority to enforce traffic and parking regulations from the California Penal Code, the California Vehicle Code and the Municipal Court authority. Failure to resolve parking citations may result in additional penalties and Department of Motor Vehicles (DMV) registration holds.

Citations may be issued for violations of the California Vehicle Code, as well as the following college regulations under Section 21113 California Vehicle Code.

1. Any vehicle parked in a regular stall shall have a valid student parking permit. Students may purchase permits from **https://canyons.thepermitstore.com** and they are valid in student parking lots only.
2. No person shall fail to obey any sign or signal erected to enforce these regulations or any section of the California Vehicle Code.
3. Parking is prohibited in any area that is not clearly marked as a parking stall.
4. Vehicles parked within a stall shall not overlap or extend beyond the designated parking lines.
5. Painted curbs indicate restricted parking areas, and the color designates the type of parking permitted.
    a. **RED ZONE** – No parking or stopping anytime, whether attended or unattended.
    b. **YELLOW ZONE** – Fifteen-minute limit for loading and unloading only. Vehicles must display activated hazard lights while loading or unloading.
    c. **GREEN ZONE** –Timed parking as posted.
    d. **BLUE ZONE** – Disabled parking only. Vehicles must properly display a valid disabled parking placard or license plate.
5. No person shall abandon, leave standing, any vehicle or motorized cycle on campus property for 24 or more consecutive hours without authorization from the Campus Safety department. Violations may result in vehicle removal and storage.
6. No person shall operate, stop, park, leave standing any vehicle, on campus roadways, driveways, paths, or grounds without permission. Any unidentified or unauthorized vehicle is subject to removal and storage. This provision does not apply to District-owned vehicles.

Special Parking Areas

VISITORS – Timed parking areas are designated with green curbs or lines on the Valencia campus and Canyon Country campus. Visitors remaining on campus beyond the posted time limit, must purchase a daily parking permit from **https://canyons.thepermitstore.com** and park in a student lot.

DISABLED – Several areas on both campuses are designated for disabled parking. Vehicles parked in these blue-lined parking stalls are required to properly display a valid disabled person placard or license plate.

STAFF LOTS – Staff members must clearly display a physical permit hanging from rearview mirror or placed visibly on the dashboard.

MOTORCYCLES – Shall park in designated motorcycle parking areas located in lot's 4, 13 and 15 (Valencia campus) lots 2 and 3 (Canyon Country campus) and must have a VALID student motorcycle permit. For additional parking information visit: **https://www.canyons.edu/studentservices/campussafety**.

Parking Lot Security

The College provides personnel to patrol the parking lots; however, individuals who park on District property do so at their own risk. Santa Clarita Community College District is not responsible for any loss, theft, or damage to vehicles or personal property while parked on District property.

PATHWAY TO LAW SCHOOL

The Pathway to Law School is a California Community College initiative in partnership with 16 California law schools to increase the diversity in the legal profession. The purpose of the program is to provide a pathway to a law school education for students whose post-secondary education begins at the community college level. This program will provide a clear pathway from community college to law school, after obtaining a bachelor's degree. For more information about the program please visit **www.canyons.edu/lawschoolpathway**.

PERFORMING ARTS CENTER

The Santa Clarita Performing Arts Center at College of the Canyons is the cultural center for the Santa Clarita Valley. It opened in 2004 and provides performance space for college instructional productions, professional and community entertainment and informational programs. Developed in partnership with the City of Santa Clarita, the PAC boasts a spectacular proscenium theater seating 886 and a state-of-the-art sound, lighting, and projection system, as well as an experimental "black box" theater. Information may be found at **www.canyonspac.com**.

PHYSICAL EDUCATION/ATHLETICS (KPEI)

The college has 17 intercollegiate cougar athletic teams that compete in the Western State Conference. Cougar men's teams compete in baseball, basketball, soccer, cross country, football, golf, swimming, and track and field. Cougar women's teams compete in basketball, cross country, golf, soccer, softball, swimming, tennis, track and field, and volleyball. Intercollegiate athletic competition is governed by the California Community College Commission on Athletic Association. Information may be found at **cocathletics.com**

To be eligible for intercollegiate competition, student athletes must be enrolled in a minimum of 12 units during the season of sport (nine of these units must be degree applicable). Between seasons of sport, student athletes are required to complete 24 units, 18 of which must be degree applicable, with a 2.0 grade point average. Consult the athletic director or athletic counselor (in WPEK-107) to determine athletic eligibility and to complete a student educational plan.

Inspire Scholars/NextUp (Foster Youth Programs)

The Inspire Scholars and NextUp programs are designed to increase access to higher education for current and former foster youth. The goal is to improve retention, graduation, and transfer rates while promoting personal and academic development. Through supportive academic counseling and holistic services, the programs empower students to achieve their goals.

Inspire Scholars/NextUp Eligibility Requirements

To be eligible for Inspire Scholars, students must:

- Be a current or former foster youth. Students are eligible to receive Inspire Scholars services as long as they are physically present in California when enrolling and receiving program services, even if their dependency status was established outside of California.
- Verification of dependency is required; assistance is available with obtaining verification.
- Be up to 35 years of age.

To be eligible for NextUp, students must:

- Be a current or former foster youth in California whose dependency was established or continued by a court of competent jurisdiction, including a tribal court, on or after the youth's 13th birthday. A student is eligible to enroll in the NextUp program and shall receive NextUp services as long as they are physically present in California when enrolling and receiving program services, even if their dependency status was established outside of California.
- Be no older than 25 years of age at the commencement of any academic year in which the student first enrolls in NextUp.
- Verification of dependency is required; assistance is available with obtaining verification.
- 9-unit enrollment minimum or College of the Canyons student educational plan with the plan to enroll in 9 units in a subsequent semester.

Eligible students may receive, based on available funding:

- Educational, career, and personal counseling (as related to academics)
- Priority registration
- Grants (NextUp only)
- Textbook vouchers
- Meal and transportation assistance (NextUp only)
- School supplies assistance
- Transfer fee waivers
- Letters of recommendation
- Inspire Scholars institutional scholarship (must apply in spring semester)
- Access to licensed mental health counseling
- Academic advocacy & progress monitoring
- Referrals to on- and off-campus resources
- Personal care and hygiene supplies
- Workshops, social events, and community-building meetups

Steps to becoming an Inspire Scholars/NextUp Student

1. Apply to College of the Canyons – It may take up to 48 hours for you to receive a student identification number.
2. Complete Inspire Scholars/NextUp application. Once your application is received and eligibility is reviewed, our team will reach out to schedule a follow-up appointment.

Inspire Scholars is part of the Empowerment Programs at College of the Canyons and; located in the **Student Support Center (SSC-117)** on the **Valencia Campus,** and at **Student Services & Learning Resources (CCSS) 111** on the **Canyon Country Campus.**

For more information, call (661) 362-3676 or visit **www.canyons.edu/inspirescholars**

STUDENT EMPLOYMENT

The Student Employment office provides information on how students can apply for employment on campus while concurrently taking classes at COC. This includes guiding students on the eligibility requirements, the process of applying, and the onboarding process if they are offered employment. Students must fulfill the eligibility requirements of being enrolled at least half-time (6 units or more) and maintaining a minimum 2.0 GPA. Student employment at COC allows students to conveniently balance their education and work life under one schedule where they may apply knowledge and skills into real-life scenarios. Applications are open on a bi-annual basis (Winter/Spring & Summer/Fall) and are valid for the session/semester they are submitted in. More information and the application can be found by visiting our office on the Valencia campus, Student Center Room 111, or by visiting our website, **www.canyons.edu/studentservices/studentemployment/**.

For the Federal Work-Study Program (FWS), please refer to Financial Aid and Scholarship Programs under Student Employment - Work Study on page 47.

STUDENT HEALTH & WELLNESS CENTER

The mission of the Student Health & Wellness Center (SHWC) is to keep students physically and emotionally healthy so they can succeed in school and life. Quality clinical and mental health services, innovative health promotion activities, and referrals to on and off campus resources are offered. The health center provides assistance with securing affordable health insurance, homelessness, and food insecurity. All services are provided in a caring, confidential, cost effective and convenient manner for eligible COC students.

Eligibility

Full-or part-time students, who have paid enrollment fees and are currently enrolled and active in classes are eligible for services.

Cost
No charge is made for most services. A nominal fee is charged for certain laboratory tests, immunizations, and prescription medications.

Personnel
The SH&WC has a registered nurse and/or nurse practitioner/physician assistant, medical assistant, and mental health counselors/interns. Most services are available by appointment during Student Health & Wellness Center hours.

Services include:
- Treatment of acute illness and minor injuries
- Mental-health counseling
- Blood pressure checks
- Family planning: information, pap tests, birth control, pregnancy tests
- Screening and treatment for sexually transmitted infections
- Assistance with Covered California, Medi-Cal, and Family PACT applications
- Vaccinations
- Referrals to physicians and other community agencies
- First aid
- T.B. assessment/skin test
- Laboratory testing

Treatment of a Minor
Any student under the age of 18 is required to have a parental consent form signed prior to receiving treatment, except in emergencies or cases exempted by state law. A minor student's parent must sign permission for treatment at time of enrollment.

Accident Insurance
Accident insurance is included in the student health fee and provides on-campus accident coverage while attending college or college-sponsored activities. It is recommended that each student carry voluntary insurance coverage for off-campus emergencies and illnesses.

Information on various health insurance options may be obtained in the Student Health & Wellness Center, Student Center, room STCN-122 on the Valencia Campus and in CCSS-123 on the Canyon Country Campus. Call (661) 362-3259/Valencia or (661)362-3812/Canyon Country Campus for further information.

Health Recommendation
Each student should be free from any communicable disease. It is strongly recommended that student immunizations are current, including two doses of the measles-mumps-rubella vaccine and a tetanus-diphtheria-pertussis (Tdap) vaccination within the past 10 years.

VALENCIA CAMPUS
Student Health and Wellness Center
Student Center Room 122
(661) 362-3259

CANYON COUNTRY CAMPUS
Student Health and Wellness Center
Student Services & Learning Resources Center (CCSS)
Room 123
(661) 362-3812

UNIVERSITY CENTER

The Dr. Dianne G. Van Hook University Center affords students the opportunity to earn selected bachelor's, master's, and doctorate degrees as well as certificates and credentials, from accredited university partners on the College of the Canyons Valencia campus. For more information regarding the University Center programs, please call (661)362-5111 or visit our website at **www.cocuniversitycenter.com**.

VETERANS RESOURCE CENTER

VALENCIA CAMPUS
Hasley Hall 207
(661) 362-3469

CANYON COUNTRY CAMPUS
Student Services and Learning Resources Center
Room 215
(661) 362-3815

As an innovative Veteran Resource Center (VRC) of excellence, we aim to offer military-connected students access to crucial veteran education benefits and provide accurate and reliable information to ensure academic success. We form creative partnerships to provide additional veteran services and resources that contribute to the veteran's well-being and increase the likelihood of success.

The center provides the essential components in academic support services for student veterans and staff to compliment classroom learning and college success.

There are VA Education Benefits, a computer lab, conference table, study desk, hospitality table, information boards, new student veteran initial advisements and orientations, veteran mentors and relevant support programs.

The VRC provides a relaxing place for student veterans to meet, do homework, get help with their classes, find a mentor, receive the latest veteran benefits information, request Veteran Education Benefits, coordinate with a veteran's network, attend workshops, and meet with veterans' service providers.

The VRC is a centralized resource hub, easily accessible and widely available to all student veterans and veteran dependents. The center's primary goal is to assist veterans for a successful transition to academic life.

INFORMATION FOR STUDENTS USING VETERAN READINESS AND EMPLOYMENT BENEFITS (CH31) OR POST-9/11 GI BILL® (CH33)

A student using Veteran Readiness and Employment benefits (CH 31) or Post-9/11 GI Bill® (CH 33) will be allowed to enroll in and attend courses and access campus facilities while the campus awaits payment for tuition and fees from the VA. While awaiting receipt of funds from the VA, College of the Canyons will not impose any penalty, charge late fees or require an eligible student to borrow additional funds to cover tuition or fees. This waiting period begins the date the student provides appropriate documentation and continues either until funds are received from the VA or until 90 days after the School Certifying Official has certified the student's enrollment for tuition and fees. The VA will only pay for in-state tuition and fees. If a

student is considered a non-resident, it is their responsibility to update their residency status or pay any out-of-state fees not covered by the VA.

To demonstrate current eligibility and intent to use Chapter 31 or 33 benefits, a student must provide the following documents:

- Authorization of approval from the student's Chapter 31 case manager or
- Certificate of Eligibility (COE) or Education Enrollment Status form (printed from the eBenefits website).
- Completion of the VP-20 form Request for Benefits; and
- All additional information requested by the School Certifying Official to properly certify enrollment to the VA properly.
  - — Residency Reclassification (if applicable)
  - — Student Education Plan (SEP)
  - — Transcripts (Military and Civilian)

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at **www.benefits.va.gov/gibill**.

For VA Education Benefits, a W grade is considered non-punitive and the last date of attendance must be reported to the VA.

Student Sponsor Agreements
If there is a refund due for any items that were paid by the sponsor, the refund will be returned directly to the sponsor. Students that are sponsored by Veterans' Affairs under the GI Bill® Chapter 33 may receive refunds. In these cases, it will be the student's responsibility to follow up with their sponsor.

Veteran Education and Vocational Programs
College of the Canyons provides assistance to veterans for the following benefit programs:

- **Chapter 30** - Active Duty Educational Assistance Program, Montgomery GI Bill®
- **Chapter 31** - Veteran Readiness and Employment (VR&E)
- **Chapter 33** - Post-9/11 GI Bill®
- **Chapter 35** - Survivors and Dependents Educational Assistance Program
- **Chapter 1606** - Selected Reserve Educational Assistance Program

Veteran Registration
Veterans may be eligible for priority registration for 15 years following their discharge from active duty. In order to be eligible, veterans must take a copy of their DD214 discharge papers to the Veteran Resource Center. Active duty military need to show proof of their military ID and orders. Once a Level 1 registration date has been assigned you can view it through your My Canyons student account.

Veterans seeking to use VA Educational Benefits apply online at **www.va.gov** for their Certificate of Eligibility. One copy must be given to the Veteran Resource Center. For questions regarding pay, Certificate of Eligibility or benefits call 1-888-GIBILL-1. While waiting for the Certificate of Eligibility, students are advised to complete the College of the Canyons enrollment process, such as completing the online admission application and, if required, proceed with completing the Assessment and online orientation.

Veterans that wish to receive Veterans Education Benefits should only register for classes required to complete their VA approved program on or after their assigned registration date/time. Check with the Veteran Resource Center for a list of VA approved programs.

Veteran Financial Aid
Other financial aid may be available by completing a FAFSA application (Free Application for Federal Student Aid) only at **www.fafsa.gov**. For additional information: Contact the Veteran Resource Center at (661) 362-3469 or email **veterans@canyons.edu**. Additional information is available at **www.canyons.edu/financialaid**.

Veteran Residency
College of the Canyons adheres to the Veterans Access, Choice, and Accountability Act of 2014 (VACA Act) and Isakson and Roe Veterans Health Care and Benefits Improvement Act of 2020.

College of the Canyons exempts students from non-resident tuition who are members of the armed forces of the United States stationed in this state on active duty, except those assigned to California for educational purposes. A student who is a natural or adopted child, stepchild, or spouse who is a dependent of a member of the armed forces who is classified as a California resident is also exempt from non-resident tuition. A student who is classified as a non-resident based on the college application must submit a military residency affidavit and a copy of their DD form 214 to the residency specialist at Admissions and Records to reclassify their residency status.

Schedule of Fees For Veterans
Fees are due at the time of registration each semester or each time materials are acquired or services rendered, unless you are eligible for the Post 9/11 GI Bill® (Chapter 33) or Veteran Readiness and Employment (VR&E) (Chapter 31) and establish a sponsor account. Fees must be paid at the time of registration. Any fees that are not covered by the Department of Veteran Affairs are the student's responsibility. If all fees are not paid at the time of registration, the student will be removed from all courses.

Veteran Benefits Orientation must be completed in the Veteran Resource Center in order to begin the process of certification for VA Education or Vocational Benefits. Certification may take 2-3 weeks during peak times for processing. A request for VA payment must be submitted to the College of the Canyons Veteran Resource Center every term via a VP-20 form in order to initiate the process for benefits and if you are eligible for Chapter 31 or 33, this will help to avoid being dropped from courses for non-payment.

Prior Credit, CFR 521.4253 (d) (3)
All prior credit must be reviewed and credit granted as appropriate to an approved program that has been selected by the veteran student. Whenever a student initially enrolls or changes programs, a Veteran Student Education Plan (VA SEP) must be completed before a request for VA Education Benefits can be processed.

Repeating Courses
Courses that are failed or for which the grade does not meet minimum requirements for graduation may be certified for VA purposes if they are repeated.

Classes that are successfully completed may not be certified again for VA purposes if they are repeated. However, if a student fails a class, or if a program requires a higher grade than the one achieved in a particular class for successful completion, that course may be repeated and certified to VA again.

Example 1.
If a nursing program requires a "B" or better in biology, then that class may be repeated if a "B" or better was not earned. That requirement must be in the school catalog.

Example 2.
If a course is required for graduation, a student may repeat the course and be certified for it until it is successfully completed. No further information needs to be provided to VA regarding those courses.

Example 3.
If a student chooses to repeat a course that was successfully completed, just to improve their GPA, that course cannot be certified to VA.

Academic Counseling for Veteran Students
Veteran students using benefits must complete the matriculation process as required of all students. The new student advisement is especially important for veterans because the veteran is required to select an approved program and can only receive benefits for taking courses that are required to complete the approved program. The first-semester education plan is helpful in selecting classes for the first term and can be used for VA Education Benefits.

Veterans using benefits may schedule counseling appointments with a veterans academic counselor or with general counseling. Veteran students should be reminded that all transcripts must be submitted and all prior credit must be evaluated. The counselor will create a SEP which is written to the VA standards and used in the certification process.

Veterans Attendance Standards
Veterans are expected to adhere to all school attendance policies. In addition to the school's policy, the Veterans Administration regulations (21.4253, 21.4277, 21.4135, and 21.4203) have established a requirement that all schools set standards of attendance and progress for attending veterans. The following guidelines have been developed to meet these requirements.

The last date of attendance /effective date for each course is reported to the VA when a student officially withdraws, is administratively withdrawn or stops attending without officially withdrawing. For VA Education Benefits, a W grade is considered non-punitive and the last date of attendance must be reported to the VA.

All changes in credit must be reported to the Veteran Resource Center using Form VP-30 Veterans Notice of Change in Schedule. If changes are not reported in a timely manner it can cause an overpayment of VA Educational Benefits.

Veteran students that withdraw from classes as a result of a conflict with military duty may request MW (Military Withdrawal) grade in the Veteran Resource Center. When submitting a request for Military Withdrawal, you must submit a copy of military orders that demonstrate a conflict with completing registered courses.

Probation and Disqualification of Veterans Benefits
The law requires that educational assistance benefits to veterans and other eligible persons be discontinued when the student ceases to make satisfactory progress toward completion of his or her training objective.

The VA is notified of unsatisfactory progress and academic progress. It is important to note poor academic standing may impact your education or vocational benefits.

- Academic probation means that your cumulative GPA at COC is below a 2.0.
- Progress probation means that more than half of the total number of classes you have attempted have ended up with Incompletes, Withdrawals, or No Pass notations.

For more information on academic standing, please see the academic counselor.

VOLUNTEER BUREAU

The Volunteer Bureau office offers a wide variety of volunteering opportunities available for COC students, alumni, and community members. Volunteerism is highly recommended to become more engaged on campus, gain experience in a field of interest, foster network connections, build your resume as well as college application, and satisfy volunteer credit requirements.

Volunteering at COC is categorized into two types: campus event and departmental volunteering. Campus event volunteers donate their time, skills, and talents for a variety of events, commencements, and functions that take place on campus where additional support is needed. Interested applicants are invited to visit our office or our website, **www.canyons.edu/community/volunteers/** to apply to be a campus event volunteer and be notified of opportunities as they become available. Departmental volunteering consists of supporting an individual department with more specified tasks as needed. Volunteering within a department requires pre-approval from the department's manager.

For further information, our office is located on the Valencia campus, room 111 of the Student Center. You may also contact us by calling (661) 362-3464 or emailing us at **VolunteerBureau@canyons.edu**.

INTERNSHIPS AND WORK EXPERIENCE

Internships allow students to apply knowledge and skills learned in the classroom to an actual work setting. Internships also allow students an opportunity to sample a career choice to help students select a major that is right for them. Students earn CSU transferable units by registering in an internship course, Work Experience Education (WEE). WEE courses are integrated into programs throughout the college. Students may also earn college credit for their current job by enrolling in WEE General Work Experience. Information regarding eligibility is available by calling 661-362-3309. To find out more about how to obtain an internship, visit **www.canyons.edu/interns** or stop by X6 on the Valencia Campus.

Instructional Programs



College of the Canyons offers credit education in four areas: general education, transfer education, career/ technical education and college success skills.

General Education
Many courses are taken by students to meet general education requirements for associate degrees or transfer. These general education requirements are intended to provide students with a broad educational background, so that they may participate in society more completely and benefit from their participation.

Transfer Education
College of the Canyons provides preparation for transfer to four-year colleges and universities in a variety of majors. The transfer courses are articulated to either or both the California State University and University of California systems (designated in the course description as CSU and UC courses, respectively) as well as other transfer institutions.

Career Education
Career Education programs at College of the Canyons include courses that enable students to acquire or update job skills or prepare for transfer to technical programs at four-year institutions. All career programs firmly support the principle of gender equity: all students are encouraged and supported to enter and complete any career program whether or not it has been a "traditional" field for their gender.

SPECIAL COURSES

Special Topics
Courses listed as 198 (transferable) or 098 (non-transferable) or 097 (non-degree applicable) are offered in a department to add depth to the course offerings. Special topics courses in a department's curriculum offer the same pedagogy but with a focus area that changes from term to term. Topics are differentiated from one another within the department offering by a unique letter designation after the number (i.e. 198 A, B, C).

Experimental Courses listed as 199 or 099
An experimental course is offered with the intent to eventually make it part of the regular curriculum. Each experimental course is designated with the number 099 (non-transferable) or 199 (transferable).

COURSE DESCRIPTIONS

Course descriptions are arranged alphabetically by subject discipline and are distinguished by identifying numbers and course titles.

The credit value of each course is indicated in semester units. Each unit represents one hour per week of lecture or recitation, or a longer time in laboratory or activity classes.

Repeatability
Some courses may be repeated for credit, but only if explicitly indicated in the description. Unless otherwise indicated, a course may only be taken once for credit. Students wishing to repeat a course for the purpose of recalculating the grade point average should refer to the policy regarding "Course Repetition."

Below each course title, the units, hours, prerequisites, and course description are given. Students should read this material carefully to ensure that they are qualified to take the course and that the course content meets their needs and interests.

In many areas, courses are intended to be taken in sequence. This is especially true in mathematics, the sciences, foreign languages and English. In these cases, credit will not be given for a lower-level course after receiving credit for a higher-level (i.e., no credit is earned for Spanish I if it is taken after credit has been earned for Spanish II, etc.)

A schedule of classes is issued at the opening of the fall, winter, spring and summer terms, and lists the courses to be offered.

Course Identification Numbering System (C-ID)
The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to **www.assist.org** to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Students may consult the C-ID database at **www.c-id.net** for specific information on C-ID course designations. Counselors can always help students interpret or explain this information.

COMMON COURSE NUMBERING (CCN)

California Assembly Bill 1111, or AB 1111, also known as the "Common Course Numbering" bill, aims to simplify the transfer process for students within the California Community Colleges (CCC) system. The bill requires that CCC courses satisfying similar requirements—like general education or major requirements—share the same course number across the CCC system. This standardization helps students more easily identify transferable courses.

The course renumbering will be implemented in phases, allowing time for institutions to align courses gradually. Courses in the Catalog that have course numbers that begin with C and have four digits following (for example, STAT C1000) are courses that have already transitioned to Common Course Numbering.

CLASSES THAT DO NOT PROVIDE CREDIT

School of Personal and Professional Learning
(formerly Continuing Education - Noncredit)

School of Personal and Professional Learning classes, also known as "noncredit," are financially supported by the state of California and are offered tuition-free. The classes are designed to provide students with a high-quality learning experience. Currently, there are more than 400 courses and over 100 certificates offered in a variety of different disciplines, including career education opportunities, as well as courses to assist students in being successful in their educational goals. Classes are offered as the State's funding agenda permits. Some courses may require a materials fee or the purchase of a textbook. The School of Personal and Professional Learning has textbooks for noncredit classes available for students to borrow. Students who successfully complete these courses do not earn college units but can earn certificates of completion or competency. All classes are repeatable. For more information, please call the School of Personal and Professional Learning at (661) 362-3304 or visit **www.canyons.edu/free.**

Community Education

The Community Education program provides learning opportunities for the entire community through short-term classes in a variety of topics, including: vocational programs, year-round career exploration youth programs; personal interest classes; and more. These classes are offered for a nominal fee and do not earn college credit. For more information, please call the Community Education office at (661) 362-3300 or visit **www.canyons.edu/communityed**.



INSTRUCTIONAL PROGRAMS LIST

x – denotes the college has an active degree and/or certificate for the program listed.

PROGRAM	Associate Degree Transfer	Associate Degree	Certificate of Achievement	Certificate of Specialization
Administration of Justice	x	x	x	
Law Enforcement Technology		x	x	
American Sign Language				
Deaf-Blind Support Service Provider				x
Deaf Studies		x		
Interpreter		x		
Anthropology	x			
Architectural Drafting		x	x	
Architectural Computer Aided Drafting			x	
Building Performance (Bachelor of Science)				
Sustainable Design and Development			x	
Art		x		
Art History	x			
Studio Arts	x			
Automotive Technology		x	x	
Advanced Diagnosis and Performance		x	x	
Diesel Technician				x
Engine Repair			x	
Quick Service Technician			x	
Transmission Service Technician			x	
Biological and Environmental Sciences				
Biology	x			
Biological Sciences		x		
Environmental Science	x			

INSTRUCTIONAL PROGRAMS LIST

x – denotes the college has an active degree and/or certificate for the program listed.

PROGRAM	Associate Degree Transfer	Associate Degree	Certificate of Achievement	Certificate of Specialization
Environmental Studies		x		
Sustainable Resources, Energy Management, and Environmental Ethics			x	x
Business				
Accounting Technician		x	x	
Accounting (Transfer)		x	x	
Business Administration	x			
E-Commerce/Business				x
Entrepreneurship		x	x	x
Finance				x
Human Resources Management		x	x	
Marketing		x	x	
Retail Management			x	
Cinema				
Film Studies				x
Communication Studies	x	x		
Computer Applications and Web Technologies				
Administrative Assistant		x	x	
Computer Applications		x	x	
E-Commerce/Technology				x
Medical Office Administrative Assistant			x	
Web Development		x	x	
Web Publishing and Design		x	x	
Web-Site Development				x
Computer Science	x	x		
Construction Management		x	x	
Building Inspection			x	

PROGRAM	Associate Degree Transfer	Associate Degree	Certificate of Achievement	Certificate of Specialization
Carpentry Technology				x
Construction Technology		x	x	
Masonry and Concrete				x
Culinary Arts		x	x	
Baking and Pastry			x	
Dance		x		
Diagnostic Medical Sonography		x		
Early Childhood Education	x			
Infant/Toddler			x	
Preschool			x	
School Age			x	
Special Education			x	
Supervision/Admin. of Children's Programs			x	
Economics	x			
Engineering		x		
Mechanical Drafting				x
English	x	x		
Creative Writing	x	x		
Electronic Systems Technology				
Fire Technology				
Fire Academy			x	
Pre-Service		x	x	
Geography	x			
Applied GIS & Spatial Studies			x	
California Studies				x
Geology	x			
Global Studies	x			
Global Competencies			x	
Graphic and Multimedia Design		x	x	
Health Science				
Emergency Medical Technician				x
Public Health	x			

INSTRUCTIONAL PROGRAMS LIST

x – denotes the college has an active degree and/or certificate for the program listed.

PROGRAM	Associate Degree Transfer	Associate Degree	Certificate of Achievement	Certificate of Specialization
History	x	x		
Hospitality Management		x		
Hospitality Management	x			
Hospitality Meeting and Event Management Coordinator				x
Hotel and Resort Operations				x
Restaurant Management		x		
Restaurant Operations				x
Interior Design		x	x	
Interior Design – Home Staging and Visual Merchandising			x	
Set Decorator for TV and Film			x	
Kinesiology	x	x		
Therapeutic Procedures				x
Land Surveying		x	x	
Liberal Arts and Sciences (Transfer)				
Health Science Emphasis		x		
Humanities Emphasis		x		
Mathematics and Science Emphasis		x		
Social and Behavioral Sciences Emphasis		x		
Liberal Studies				
Elementary Teaching Education	x			
Manufacturing Technology				
CATIA				x
Machining / CNC				x
Manufacturing Fundamentals				x
Tooling and Milling				x

PROGRAM	Associate Degree Transfer	Associate Degree	Certificate of Achievement	Certificate of Specialization
Mathematics			x	
Media Entertainment Arts	x	x		
Animation Production				
Computer Animation		x	x	
Filmmaking		x	x	
Journalism	x			
New Media Journalism		x		
News Reporting and Anchoring				x
Screenwriting				x
Sound Arts		x		
Video Game Animation			x	
Medical Laboratory Technician		x		
Clinical Laboratory Scientist Program			x	
Modern Languages				x
Basic Proficiency in Chinese				x
Basic Proficiency in French				x
Basic Proficiency in German				x
Basic Proficiency in Italian				x
Basic Proficiency in Spanish				x
French		x		
Heritage Speaker Proficiency in Spanish				x
Intermediate Proficiency in French				x
Intermediate Proficiency in Spanish				x
Spanish	x	x		
Music	x	x		
Commercial Music			x	
Electronic Music			x	
Logic Pro				x
Music Composition			x	
Music Recording Software				x
Pro Tools – Level I				x
Recording Techniques				x

INSTRUCTIONAL PROGRAMS LIST

x – denotes the college has an active degree and/or certificate for the program listed.

PROGRAM	Associate Degree Transfer	Associate Degree	Certificate of Achievement	Certificate of Specialization
Sibelius				x
Sound Arts				x
Network Technology		x	x	
Cybersecurity		x		
Network Associate				x
Nursing				
Certified Nursing Assistant				x
LVN to RN Career Ladder		x		
Registered Nurse (RN)		x		
Paralegal		x	x	
Cal-LAW Scholar			x	
Law, Public Policy, and Society	x			
Pharmacy Technology		x	x	
Philosophy	x	x		
Photography				
Commercial Photography		x	x	
Photography		x		
Physical Therapist Assistant		x		
Physics	x			
Political Science	x			
Pre-Counseling				x
Psychology	x	x		
Real Estate		x	x	
Recreation Management		x		
Social Science		x		
Sociology	x	x		
Social Justice Studies	x			
Theatre		x		
Theatre Arts	x			
Theatre Performance		x		
Technical Theatre		x	x	
Water Systems Technology		x	x	
Welding Technology		x	x	
Gas Tungsten Arc Welding			x	
Metal Fabrication			x	
Pipe Fabrication/Welding				x
Robotic Welding Automation			x	
Semi-Automatic Welding			x	
Structural Steel Welding			x	
Wine and Beer Studies			x	
Hospitality Wine Services				x
Women and Gender Studies				x



Program/Course Description



Administration of Justice

The Administration of Justice program focuses on the study of law enforcement in the United States with the primary emphasis on California law, procedures, and evidence. The student gains an insight into the history of law enforcement, the evolution of law, both Constitutional and statutory, investigative techniques, report writing, evidence, and criminal procedure.

Upon successful completion of the Administration of Justice degree program, the student will have a general, but very practical knowledge of modern law enforcement in the United States and an in-depth knowledge of California criminal laws and techniques.

Target occupations typical to this major include Police Officer, Deputy Sheriff, Highway Patrol Officer, Correctional Officer, FBI Agent, DEA Agent, Secret Service Agent, Customs Officer, Border Patrol Officer, Evidence Technician, Security Officer, Loss Prevention Officer, and Private Investigator.

NOTE:

Most law enforcement agencies have extensive testing procedures prior to hiring including written, oral, and psychological tests and require the applicant to complete additional rigorous academy training prior to being hired. Most federal agencies require a bachelor's degree prior to appointment. Security officers employed in the state of California must take additional courses and pass state approved examinations in order to meet state mandates.

Associate in Science for Transfer Degree: Administration of Justice

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AS-T in Administration of Justice. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree and Certificate Student Learning Outcome:

Students will be able to analyze, interpret, and evaluate concepts related to the administration of justice.

Program Requirements:

Units required: 18

		Units
ADMJUS-101	Introduction to Administration of Justice System	3.0
ADMJUS-125	Criminal Law	3.0
	Plus six units from the following:	
ADMJUS-110	Principles and Procedures of the Justice System	3.0
ADMJUS-120	Introduction to Corrections	3.0
ADMJUS-135	Legal Theories of Criminal Evidence	3.0
ADMJUS-155	Criminal Investigation	3.0
ADMJUS-185	Police-Community Relations	3.0
	Plus six units from the following:	
ADMJUS-105	Humanistic Policing in the 21st Century	3.0
ADMJUS-126	Substantive Criminal Law	3.0
ADMJUS-130	Report Writing for Law Enforcement	3.0
ADMJUS-150	Police Field Operations	3.0
ADMJUS-175	Organized Crime and Vice	3.0
ADMJUS-180	Dangerous Drugs and Narcotics	3.0
ADMJUS-195	Terrorism for Public Safety Professionals	3.0
ADMJUS-200	Ethical Foundations of Modern Policing: The Peelian Principles	3.0
PSYC-C1000	Introduction to Psychology	3.0
	OR	
PSYC-C1000H	Introduction to Psychology – Honors	3.0
SOCI-101	Introduction to Sociology	3.0
	OR	
SOCI-101H	Introduction to Sociology – Honors	3.0

Associate in Science Degree and Certificate of Achievement: Administration of Justice

Degree and Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge for academic training in a police academy.

Program Requirements:
Units required: 24

		Units
ADMJUS-101	Introduction to Administration of Justice	3.0
ADMJUS-110	Principles and Procedures of the Justice System	3.0
ADMJUS-125	Criminal Law	3.0
ADMJUS-126	Substantive Criminal Law	3.0
ADMJUS-130	Report Writing for Law Enforcement	3.0
ADMJUS-120	Introduction to Corrections	3.0
	OR	
ADMJUS-135	Legal Theories of Criminal Evidence	3.0
	Plus six units from the following:	
ADMJUS-105	Humanistic Policing in the 21st Century	3.0
ADMJUS-150	Police Field Operations	3.0
ADMJUS-155	Criminal Investigation	3.0
ADMJUS-175	Organized Crime and Vice	3.0
ADMJUS-180	Dangerous Drugs and Narcotics	3.0
ADMJUS-185	Police-Community Relations	3.0
ADMJUS-195	Terrorism for Public Safety Professionals	3.0
ADMJUS-200	Ethical Foundations Of Modern Policing: The Peelian Principles	3.0

Associate in Science Degree: Modern Policing

The Modern Policing degree addresses contemporary methods, strategies, and philosophies used by law enforcement agencies to maintain public safety, enforce laws, and build relationships with communities. It reflects a shift from traditional, reactive policing (focused mainly on responding to crimes after they occur) to more proactive, community-oriented, data-driven, Constitutional, and humanistic approaches. Modern Policing reflects the future of law enforcement in America. Satisfies California Assembly Bill 89, California Penal Code Section 13511.1, and Section 1031.4 of the Government Code.

Degree and Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge for academic training in modern policing.

Program Requirements:
Units Required: 51 - 54

		Units:
ADMJUS-101	Introduction to Administration of Justice	3.0
ADMJUS-105	Humanistic Policing in the 21st Century	3.0
ADMJUS-110	Principles and Procedures of the Justice	3.0
ADMJUS-125	Criminal Law	3.0
ADMJUS-155	Criminal Investigation	3.0
ADMJUS-185	Police-Community Relations	3.0
ADMJUS-200	Ethical Foundations of Modern Policing: The Peelian Principles	3.0
COMM-246	Interpersonal Communication	3.0
HIST-C1001	United States History to 1877	3.0
	OR	
HIST-C1001H	United States History to 1877 – Honors	3.0
HIST-C1002	United States History to Since 1865	3.0
	OR	
HIST-C1002H	United States History to Since 1865 – Honors	3.0
PHILOS-120	Introduction to Ethics	3.0
PSYC-240	Abnormal Psychology	3.0
	Plus six units from the following:	
ADMJUS-120	Introduction to Corrections	3.0
ADMJUS-126	Substantive Criminal Law	3.0
ADMJUS-130	Report Writing for Law Enforcement	3.0
ADMJUS-135	Legal Theories of Criminal Evidence	3.0
ADMJUS-150	Police Field Operations	3.0
ADMJUS-175	Organized Crime and Vice	3.0
ADMJUS-180	Dangerous Drugs and Narcotics	3.0
ADMJUS-195	Terrorism for Public Safety Professionals	3.0
LETECH-101	Introduction to Technology in Law Enforcement	3.0
	Plus one course from the following (English Composition)	
ENGL-C1000	Academic Reading and Writing	4.0
ENGL-C1000H	Academic Reading and Writing – Honors	4.0
ENGL-104	Technical Reading and Writing	3.0
	Plus one course from the following (Oral Communication and Critical Thinking)	
COMM-C1000	Introduction to Public Speaking	3.0

COMM-C1000H	Introduction to Public Speaking – Honors	3.0
COMM-120	Small Group Communication	3.0
ENGL-C1001	Critical Thinking and Writing	3.0
ENGL-C1001H	Critical Thinking and Writing – Honors	3.0

Plus one course from the following (Mathematical Concepts and Quantitative Reasoning)

MATH-100	Liberal Arts Mathematics	3.0
PSYC-104	Statistics for the Behavioral Sciences	4.0
SOCI-137	Statistics for the Social Sciences	4.0
STAT-C1000	Introduction to Statistics	4.0
STAT-C1000E	Introduction to Statistics	5.0
STAT-C1000H	Introduction to Statistics – Honors	4.0

Plus one course from the following (Ethnic Studies)

ETHNST-101	Introduction to Ethnic Studies	3.0
ETHNST-102	Introduction to Chicana/o/x Studies	3.0
ETHNST-103	Introduction to African American Studies	3.0
ETHNST-104	Chicana/Latina Feminism in Contemporary Society	3.0

ADMJUS 101 INTRODUCTION TO ADMINISTRATION OF JUSTICE

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture
C-ID AJ 110

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

Examines due process in criminal proceedings from pre-arrest through trial and the appeal process using statutory law and state and federal constitutional law precedents. Includes an in-depth study of each primary segment of the administration of justice system. UC credit limitation: ADMJUS-101 and 110 combined, maximum credit one course.

ADMJUS 105 HUMANISTIC POLICING IN THE 21ST CENTURY

Units: 3.00 (3.00 lecture units)
CSU 54.00 hours lecture

Introduces humanistic policing philosophies by emphasizing the pillars of policing which reaffirms a commitment to constitutional policing with a focus on the oath of office and law enforcement code of ethics. Highlights officer safety, awareness, and decision-making with an outward mindset approach. Examines critical incidents and bridges the gap between identified best practices in officer wellness and clear thinking, good judgment, and ethical conduct.

ADMJUS 110 PRINCIPLES AND PROCEDURES OF THE JUSTICE SYSTEM

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture
C-ID AJ 122

Examines due process in criminal proceedings from pre-arrest through trial and the appeal process using statutory law and state and federal constitutional law precedents. Includes an in-depth study of each primary segment of the administration of justice system. UC credit limitation: ADMJUS-101 and 110 combined, maximum credit one course.

ADMJUS 120 INTRODUCTION TO CORRECTIONS

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture
C-ID AJ 200

Provides a history and critical analysis of punishment including alternatives to punishment and the impact of punishment on the criminal justice system and corrections. Explores the types of correctional institutions and the clients housed in each and examines contemporary correctional issues. Field trips may be required. UC credit limitation: ADMJUS-120 and 185 combined, maximum credit one course.

ADMJUS 125 CRIMINAL LAW

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture
C-ID AJ 120

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

Presents the historical development, philosophy of law and U.S. constitutional provisions, including definitions, classification of crimes, concepts of legal research, case law and concepts of law as a social force. Discusses various elements of crimes and relates common law to current California law. UC credit limitation: ADMJUS-125 and 195 combined, maximum credit one course.

ADMJUS 126 SUBSTANTIVE CRIMINAL LAW

Units: 3.00 (3.00 lecture units)
CSU 54.00 hours lecture

Presents the substantive laws most often encountered by municipal, county, or state police officers; emphasizing in depth examination of the most common misdemeanor and felony violations of the California law.

ADMJUS 130 REPORT WRITING FOR LAW ENFORCEMENT

Units: 3.00 (3.00 lecture units)
CSU 54.00 hours lecture

Prepares students to complete police reports consistent with their departments policies, incorporating proper grammar, sentence and paragraph construction, and necessary elements of the incident(s) reported therein.

ADMJUS 135 LEGAL THEORIES OF CRIMINAL EVIDENCE

Units: 3.00 (3.00 lecture units)
CSU 54.00 hours lecture
C-ID AJ 124

Introduces the fundamentals of evidence in a law enforcement context including relevant constitutional issues, Supreme Court decisions, and the California and federal rules of evidence.

ADMJUS 150 POLICE FIELD OPERATIONS

Units: 3.00 (3.00 lecture units)
CSU 54.00 hours lecture

Explores the theories, philosophies, and concepts related to the role of the line law enforcement officer, including patrol, traffic, and public service responsibilities and their relationship to the administration of justice.

ADMJUS 155 CRIMINAL INVESTIGATION

Units: 3.00 (3.00 lecture units)
CSU 54.00 hours lecture
C-ID AJ 140

Introduces the basic principles of investigation utilized in the justice system, including how to deal with the public, knowledge of crime scenes, interviews, evidence, surveillance, follow-up, technical resources, and the role of the investigator in case preparation for trial.

ADMJUS 175 ORGANIZED CRIME, GANGS, AND VICE

Units: 3.00 (3.00 lecture units)
CSU 54.00 hours lecture

Introduces the history of gangs and organized criminal enterprises including the social, political and legal influences of organized crime and its impact on crime in the United States.

ADMJUS 180 DANGEROUS DRUGS AND NARCOTICS

Units: 3.00 (3.00 lecture units)
CSU 54.00 hours lecture

Presents law enforcement's role in the prevention of narcotics and dangerous drug sales and use, including the study of laws pertaining to controlled substances, detailed identification of drugs, symptoms of use, sales and packaging and investigative techniques.

ADMJUS 185 POLICE-COMMUNITY RELATIONS

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture
C-ID AJ 160

Presents a study of the roles of the law enforcement agencies and their interaction with the community. Emphasizes professionalism and the development of positive relationships between law enforcement and the public. UC credit limitation: ADMJUS-120 and 185 combined, maximum credit one course.

ADMJUS 195 TERRORISM AND COUNTERTERRORISM FOR PUBLIC SAFETY PROFESSIONALS

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture

Introduces the basic principles of international politics and history as they relate to terrorism. Examines the ideologies and philosophies of identified terrorist groups, studies the tactics employed, and discusses effective responses by the criminal justice system. UC credit limitation: ADMJUS-125 and 195 combined, maximum credit one course.

ADMJUS 200 ETHICAL FOUNDATIONS OF MODERN POLICING: THE PEELIAN PRINCIPLES

Units: 3.00 (3.00 lecture units)

CSU 54.00 hours lecture

Offers an exploration of the ethical philosophies developed by Sir Robert Peel to define an ethical police force which includes policing by consent and citizens in uniform. Examines each Peelian Principle in detail, focusing on its original intent and how it can be applied to address current challenges in policing, including crime preventions, community trust, public cooperation, impartial service, police efficiency, and use of force.



ANIMATION

(See Media Entertainment Arts)

ANTHROPOLOGY

Anthropology is a scientific discipline that studies human beings from a biological and cultural (bio-cultural) perspective using data, methodology and research results from biological science, social science and behavioral science disciplines under the paradigm of evolution. Physical (biological) anthropology studies humans and their animal relatives, both living and extinct, primarily as species originating in the natural world. Cultural (social-cultural) anthropology compliments physical anthropology through the observation and recording of the broad range of human diversity using ethnographic data collected from participant observer field studies and ethnohistorical accounts. Archaeology, the study of human life ways in the past, adopts a strategy similar to cultural anthropology but relies mainly on evidence from the material culture of a people as well as on the use of specialized field, laboratory, and preservation methods rather than upon ethnographic information provided by informants. Students who complete introductory courses in anthropology are equipped to understand those complex interactions between human biology, culture, technology and language that have enabled our species to evolve and adapt to the natural world, a foundation important for their future success as upper-division and graduate level university students.

Associate in Arts for Transfer Degree: Anthropology

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Anthropology. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to analyze and interpret modern humans, and human ancestors, from biological and cultural perspectives.

Program Requirements:

Units required: 20-22

		Units
ANTHRO-101	Physical Anthropology	3.0
	OR	
ANTHRO-101H	Physical Anthropology – Honors	3.0
ANTHRO-103	Cultural Anthropology	3.0
	OR	
ANTHRO-103H	Cultural Anthropology – Honors	3.0
ANTHRO-105	Introduction to Archeology	3.0
	Plus five to six units from the following:	
ANTHRO-101L	Physical Anthropology Laboratory	1.0
PSYC-104	Statistics for the Behavioral Sciences	4.0
	OR	
PSYC-104	Statistics for the Behavioral Sciences	4.0
	OR	
SOCI-137	Statistics for the Social Sciences	4.0
	OR	
STAT-C1000	Introduction to Statistics	4.0
	OR	
STAT-C1000E	Introduction to Statistics	5.0
	OR	
STAT-C1000H	Introduction to Statistics – Honors	4.0
	Plus three to four units from the following:	
BIOSCI-201	Introduction to Human Anatomy	4.0
GEOLOGY-100	Physical Geology	3.0
GEOLOGY-101	Physical Geology with Lab	4.0
GIS-101	Introduction to Geographical Information Systems	3.0
PSYC-103	Introduction to Behavioral Research Methods	3.0
SOCI-102	Introduction to Sociological Research Methods	3.0

Continued on the next page.

Plus three units from the following:

ANTHRO-120	Queer Anthropology - Cross-Cultural Perspectives	3.0
ANTHRO-210	Indigenous Peoples of California	3.0
ANTHRO-220	Magic, Witchcraft, and Religion	3.0
GEOGRPH-102	Human Geography	3.0
PHILOS-220	Introduction to Comparative Religion	3.0
SOCI-106	Introduction to Race and Ethnicity	3.0

ANTHRO 101 PHYSICAL ANTHROPOLOGY

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture
C-ID ANTH 110

Examines the evolution of the human species and non-human primates primarily from the biological perspective. Topics include human heredity and population genetics, primate behavior and conservation, the human fossil record, and modern human variation. A field trip may be required.

ANTHRO 101H PHYSICAL ANTHROPOLOGY – HONORS

Units: 3.00 (3.00 lecture units)

UC:CSU 54.00 hours lecture

C-ID ANTH 110

Examines the evolution of the human species and non-human primates primarily from the biological perspective. Topics include human heredity and population genetics, primate behavior and conservation, the human fossil record, and modern human variation. A field trip may be required. Additional reading, writing, and research techniques are required.

ANTHRO 101L PHYSICAL ANTHROPOLOGY LABORATORY

Units: 1.00 (1.00 lab unit)
UC:CSU 54.00 hours lab
C-ID ANTH 115L

Co-requisite: ANTHRO-101 or ANTHRO-101H

A laboratory course in physical anthropology designed to familiarize students with the materials and techniques of physical anthropology and provide hands-on experience in the measurement, analysis, and comparison of fossil casts, skeletal materials, and cultural artifacts important to the study of human evolution. The course is designed primarily for non-science majors, but it can be used to meet transfer requirements in laboratory science for students with science majors. A half-day field trip is required.

ANTHRO 103 CULTURAL ANTHROPOLOGY

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture
C-ID ANTH 120

Presents the nature of humankind, culture, and society, including the concepts and theories used for their analysis and understanding. Prehistory and cultural growth, social organization, family systems, politics and economics, war, religion, values, culture shock, and applied anthropology are examined.

ANTHRO 103H CULTURAL ANTHROPOLOGY - HONORS

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture
C-ID ANTH 120

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

Presents the nature of humankind, culture, and society, including the concepts and theories used for their analysis and understanding. Prehistory and cultural growth, social organization, family systems, politics and economics, war, religion, values, culture shock, and applied anthropology are examined. Additional reading, writing and research techniques are required in the honors section.

ANTHRO 105 INTRODUCTION TO ARCHEOLOGY

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture
C-ID ANTH 150

Examines archaeology and human prehistory from an interdisciplinary perspective, including methods for excavation, dating, interpretation, and conservation of items of material culture. Topics include past social systems, the process of cultural change throughout human history, and the relevance of archaeological studies to contemporary social issues. Archaeological ethics regarding human remains, looting, preservation, cultural resource management and the role of indigenous peoples are examined. Field trips may be required.

ANTHRO 120 QUEER ANTHROPOLOGY - CROSS-CULTURAL PERSPECTIVES

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture

Examines diverse expressions of sexuality and gender across cultures throughout the world. Students will explore how sexual and gender minority identities (LGBTQ+) intersect with kinship, marriage, religion, economics, politics, and globalization. Through critical analysis of anthropological literature, ethnographic case studies, and contemporary media, students will gain a deeper understanding of the complex and nuanced ways in which sexual and gender identities are constructed, lived, and contested in various societies.

ANTHRO 210 INDIGENOUS PEOPLES OF CALIFORNIA

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture
Examines Native American cultures of California from prehistoric times to the present, including geographic origins, settlement areas, technology, subsistence patterns, social organization, religion, folklore, material culture and contemporary issues.

ANTHRO 220 MAGIC, WITCHCRAFT, AND RELIGION

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture
Explores the cross-cultural phenomena of religion, witchcraft and magical behavior from an anthropological perspective and how it can affect social controls, cultural change, and healing practices. Topics include mythology, rituals, altered states of consciousness, the soul, religious specialists, and modern religious movements.

ARCHITECTURAL DRAFTING

Bachelor of Science Degree: Building Performance

The Bachelor of Science in Building Performance degree addresses regional workforce needs by developing technicians proficient in Building Energy Modeling and compliance documentation for the California Energy and Green Building codes and Sustainable Building Certification Systems. The BSBP program is an extension of the curriculum and workforce skills currently taught by College of the Canyons' Associate of Science in Architectural Drafting and Technology degree, and prepares students for the state recognized Certified Energy Analyst exam, and employment in the A/E/C industry (Architecture/Engineering/Construction) as Building Energy Modelers, BIM/CAD technicians or Sustainable Building Certification System consultants. All courses designated as an upper division major requirement must be completed with a minimum grade of "C" (or "P") for each course in the major.

Students must apply to be admitted to the BSBP program; more information can be found at, **www.canyons.edu/BSBP**. Students must be enrolled in a California Community College Baccalaureate Degree program to enroll in Upper-Division courses offered at a California Community College.

Degree Student Learning Outcomes:

Students will be able to:

1. Examine the effects of environmental factors and resource consumption on the performance of building projects using a variety of analytical and simulation methodologies.
2. Evaluate the suitability of resilient/sustainable building strategies relative to code compliance documentation and regulatory approvals for projects.
3. Analyze the use and effectiveness of passive and active environmental control systems and resource conservation strategies for building projects.
4. Utilize advanced Building Energy Modeling (BEM) and Building Information Modeling (BIM) techniques to facilitate Integrative Process methodologies for residential and nonresidential building projects to achieve code compliance, improved building performance, and sustainable rating system certification.
5. Apply vocational skills and competencies during required Project Based Learning internship to demonstrate technician employment readiness for the A/E/C industry.

Program Requirements:

Major Units Required: 91 - 93

		Units:
ARCHT-110	Architectural Drafting	3.0
ARCHT-140	Materials and Methods of Construction	3.0
ARCHT-160	2-D CAD for Architecture and Interior Design	3.0
ARCHT-180	Codes and Zoning Regulations	3.0
ARCHT-200A	Sustainable Development and Environmental Design	3.0
ARCHT-240	Architectural Design Portfolio	3.0
ARCHT-250	Introduction to Sustainable Building Certification Systems	3.0
ARCHT-260	3-D Modeling and Rendering	3.0
ARCHT-270	Introduction To Building Information Modeling (BIM)	3.0
ARCHT-290	Advanced Building Information Modeling (BIM)	3.0
ARCHT-317	Regulatory Compliance Documentation – Residential	3.0
ARCHT-320	Climate Appropriate Biodiverse Landscaping and Irrigation	3.0
ARCHT-350	Environmental Control Systems for Net-Zero Buildings	3.0
ARCHT-370	Building Energy Modeling	3.0
ARCHT-417	Advanced Regulatory Compliance Documentation – Non-Residential	3.0
ARCHT-450	Advanced Sustainable Building Certification Systems	3.0
ARCHT-490	Integrative Process for Sustainable Building	3.0
CONST-101	Introduction to Construction and Construction Engineering	3.0
CONST-102	Construction Management Principles	3.0

Continued on the next page.

CONST-103	Blue Print Reading for Construction	3.0

Plus twelve units from the following:

ARCHT-084	Digital Illustration for Architecture and Interior Design	3.0
ARCHT-120	Design I - Elements of Architectural Design	3.0
ARCHT-190	Design II - Space Planning	3.0
ARCHT-200B	Design III - Environmental Design Lab	3.0
ARCHT-220	Advanced 2-D CAD for Architecture and Interior Design	3.0
ARCHT-280	Design IV – Advanced Design	3.0
CONST-105	Construction Estimating Principles	3.0
CONST-106	Survey of Construction Contracts and Laws	3.0
ID-101A	Introduction to Interior Design	3.0
ID-101B	Introduction to Interior Design Lab	3.0
ID-102	Applied Color for Designers	3.0
ID-104	Rapid Visualization	3.0
ID-113	Interior Design Materials and Specifications	3.0
ID-117	Lighting Design	3.0

Plus one course from the following:

MATH-100	Liberal Arts Mathematics	3.0
MATH-102	Trigonometry	4.0
MATH-102X	Trigonometry with Support	5.0

Plus one course from the following:

PHYSIC-101	Introduction to Physics	4.0
PHYSIC-110	General Physics I	4.0

Required Upper Division General Education Courses:

BIOSCI-330	Environmental Biology in a Changing World	3.0
HIST-450	World Environmental History	3.0
PHILOS-450	Environmental Ethics in a Changing World	3.0

Plus a total of 3 units of upper division work experience. This course can be taken multiple times and units vary based on hours completed in the internship. Students must work at the internship site a minimum of 54 hours per unit in order to receive credit.

WE-486ARCH	Work Experience Education Architecture	1.0 – 4.0

Associate in Science Degree: Architectural Drafting and Technology

The Architectural Drafting program is designed to prepare students for careers in industry as drafters or related occupations, and/or transfer to a four or five-year Architecture program. Architectural Drafting technicians are in short supply, affording many employment opportunities for qualified individuals. The program provides students with entry-level skills and knowledge in the fields of computer and architectural drafting including techniques such as clarity, line weight expression and accuracy. Competencies include knowledge and skills for preparing CAD/BIM generated 2-D drawings and 3-D models, current practices in construction technology, and fundamental architectural design and space planning skills Students should consult with the department chair and a counselor when planning to complete the degree for more information on university admissions and transfer requirements.

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in the core knowledge and skills required for employment in architectural computer-aided drafting.

Program Requirements:

Units Required: 36

		Units
ARCHT-110	Architectural Drafting	3.0
ARCHT-120	Design I – Elements of Architectural Design	3.0
ARCHT-140	Materials and Methods of Construction	3.0
ARCHT-160	2-D CAD for Architecture and Interior Design	3.0
ARCHT-180	Codes and Zoning Regulations	3.0
ARCHT-190	Design II – Space Planning	3.0
ARCHT-200A	Sustainable Development and Environmental Design	3.0

Plus fifteen units from the following:

ARCHT-114	Architecture and Interiors History: Antiquity – Classical Revival	3.0
ARCHT-115	Architecture and Interiors History: Classical Revival – Post Modern	3.0
ARCHT-200B	Design III – Environmental Design Lab	3.0
ARCHT-220	Advanced 2-D CAD for Architecture and Interior Design	3.0
ARCHT-230	Structures I	3.0
ARCHT-240	Architectural Design Portfolio	3.0
ARCHT-270	Introduction To Building Information Modeling (BIM)	3.0
ARCHT-280	Design IV – Advanced Design	3.0
ARCHT-290	Advanced Building Information Modeling (BIM)	3.0

Recommended electives:

ARCHT-084	Digital Illustration for Architecture and Interior Design	3.0
ARCHT-100	Careers in Architecture, Interior Design and Related Fields	1.0

ARCHT-260	3-D CAD for Modeling/Animation	3.0
ID-102	Applied Color for Designers	3.0
ID-104	Rapid Visualization and Perspective Illustration	3.0
ARCHT-207	Residential Design	3.0

Certificate of Achievement: Architectural Drafting

The architectural drafting program is designed to prepare students for careers in industry as drafters or related occupations, and/or transfer to a four or five-year architectural program. Drafting technicians are in short supply, affording many employment opportunities for qualified individuals. The program provides students with entry-level skills and knowledge in the fields of computer and architectural drafting. Competencies include knowledge in AutoCAD generated drawings, current practices in architectural drafting and construction technology, 2-D and 3-D drawings, drafting techniques such as clarity, line weight expression and accuracy, to name a few.

Upon completion of the program, students will be prepared for entry-level drafting positions. An associate degree and certificate can be earned in architectural drafting.

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core knowledge and skills required for employment in architectural drafting.

Program Requirements:

Units Required: 34

		Units
ARCHT-100	Careers in Architecture, Interior Design and Related Fields	1.0
ARCHT-110	Architectural Drafting	3.0
ARCHT-140	Materials and Methods of Construction	3.0
ARCHT-160	2-D CAD for Architecture and Interior Design	3.0
ARCHT-180	Codes and Zoning Regulations	3.0
ARCHT-190	Design II – Space Planning	3.0
ARCHT-220	Advanced 2-D CAD for Architecture and Interior Design	3.0
ARCHT-240	Architectural Design Portfolio	3.0
ARCHT-260	3-D CAD for Modeling/Animation	3.0
ARCHT-270	Introduction to Building Information Modeling (BIM)	3.0
ARCHT-290	Advanced Building Information Modeling (BIM)	3.0
ARCHT-114	Architecture and Interiors History: Antiquity – Classical Revival	3.0
	OR	
ARCHT-115	Architecture and Interiors History: Classical Revival – Post Modern	3.0
	OR	
ARCHT-250	Introduction to Sustainable Building Certification Systems	3.0

Certificate of Achievement: Architectural Computer Aided Drafting

Students will complete a series of Architectural Drafting Computer Aided Drafting (CAD) courses to become proficient in a high-skilled specialization that is in high demand.

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core knowledge and skills required for employment in architectural computer aided drafting.

Program Requirements:

Units Required: 18

		Units
ARCHT-110	Architectural Drafting	3.0
ARCHT-160	2-D CAD for Architecture and Interior Design	3.0
ARCHT-220	Advanced 2-D CAD for Architecture and Interior Design	3.0
ARCHT-260	3-D CAD for Modeling/Animation	3.0
ARCHT-270	Introduction to Building Information Modeling (BIM)	3.0
ARCHT-290	Advanced Building Information Modeling (BIM)	3.0

Certificate of Achievement: Sustainable Design and Development

Sustainably designed (Green) buildings continue to be the fastest growing sector of the construction industry in the United States. This growth can be attributed, in part, to third-party voluntary certification systems such as LEED (Leadership in Energy and Environmental Design), which have gained tremendous momentum over the past decade. Similarly, the California Green Building Code (CALGreen), first adopted statewide in 2009, now mandates that a significant portion of commercial and residential construction in California be designed and constructed to meet a new range of sustainable and energy saving measures. In addition, post occupancy energy consumption mandated reviews are now required. Updated versions of the CALGreen code will be adopted by the state on a three year cycle (http://www.bsc.ca.gov/Home/CALGreen.aspx).

The design and construction of Green Buildings address the following environmental issues:

- Climate change
- Resource depletion
- Water consumption
- Degradation of ecosystems/habitat
- Indoor environmental quality
- Occupant comfort and productivity

As a result of the rapidly growing market for green

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building sector certifications and code compliance documentation, educational resources must adapt to meet the needs of the marketplace and to keep pace with these new sustainable technologies and advancements.

This certificate provides training related to both CalGreen and LEED Certification, thus preparing students to sit for the LEED Green Associate Examination (LEED GA)

Certificate Student Learning Outcome:

Students will be able to demonstrate the knowledge and skills required to work in the green building industry.

Program Requirements:

Units Required: 18

		Units
ARCHT-200A	Sustainable Development and Environmental Design	3.0
ARCHT-250	Introduction to Sustainable Building Certification Systems	3.0
	Plus a minimum of twelve units from the following courses:	
ARCHT-110	Architectural Drafting	3.0
ARCHT-140	Materials and Methods of Construction	3.0
ARCHT-160	2-D CAD for Architecture and Interior Design	3.0
ARCHT-180	Codes and Zoning Regulations	3.0
ARCHT-200B	Design III - Environmental Design Lab	3.0
CONST-102	Construction Management Principles	3.0
CONST-103	Blue Print Reading for Construction	3.0
CONST-105	Construction Estimating Principles	3.0
WE-186ID	Work Experience Education Interior Design	1.0 - 4.0
ID-111	Kitchen and Bath Design	3.0
ID-113	Interior Design Materials and Specifications	3.0
SPAN-150	Beginning Conversational Spanish	3.0
WATER-120	Introduction to Water Systems Technology	3.0
WATER-132	Water Supply	3.0
WATER-135	Water Quality	3.0

ARCHT 084 DIGITAL ILLUSTRATION FOR ARCHITECTURE AND INTERIOR DESIGN

Units: 3.00 (2.00 lecture units, 1.00 lab unit)
36.00 hours lecture, 54.00 hours lab

Introduces fundamental digital 3D modeling and graphic illustration techniques for architecture and interior design. Same as ID-084.

ARCHT 085 INTRODUCTION TO THE LEED RATING SYSTEM

Units: 0.50 (0.50 lecture units)
9.00 hours lecture

Introduces the LEED (Leadership in Energy and Environmental Design) Rating System, overview of the various LEED credits, and an introduction to the LEED On-Line application process. Offered pass/no pass only.

ARCHT 086 PROJECT SITE FACTORS

Units: 0.50 (0.50 lecture units)
9.00 hours lecture

Explores factors involved in sustainable site development, including Brownfield redevelopment and best practices for stormwater, landscape and transportation design. Units do not apply to the associate degree and offered pass/no pass only.

ARCHT 087 SUSTAINABLE MATERIALS AND INDOOR ENVIRONMENTAL QUALITY

Units: 0.50 (0.50 lecture units)
9.00 hours lecture

Provides an overview of sustainable building material selection for exterior and interior applications pursuing LEED (Leadership in Energy and Environmental Design) certification. Indoor environmental health considerations such as indoor air quality, ventilation, interior lighting and acoustical quality will also be introduced. Offered pass/no pass only.

ARCHT 088 INNOVATION IN DESIGN AND REGIONAL PRIORITIES

Units: 0.50 (0.50 lecture units)
9.00 hours lecture

Introduces innovative sustainable building design strategies, emphasizing emerging trends that address pressing regional environmental issues. Units do not apply to the associate degree and offered pass/no pass only.

ARCHT 089 GREEN BUILDING ECONOMICS

Units: 0.50 (0.50 lecture units)
9.00 hours lecture

Provides strategies for the application of economic principles to asses and balance the competing environmental and resource demands involved in the construction of the built environment. Factors analyzed will include resource decision making based on market economy, building efficiency and life cycle-cost analysis. Offered pass/no pass only.

ARCHT 090 LEED ONLINE DOCUMENTATION AND PROCESSING

Units: 0.50 (0.50 lecture units)
9.00 hours lecture

Introduces students to LEED Online, the internet based interface for submitting credit compliance information to the Green Building Certification Institute for a project's prospective LEED certification. Offered pass/no pass only.

ARCHT 091 GREEN BUILDING CONTROL SYSTEMS AND RESOURCE EFFICIENCY

Units: 1.00 (1.00 lecture unit)

18.00 hours lecture

Presents sustainable building technology and energy efficiency applications in the design of environmental control systems for buildings. Topics include energy efficient heating, cooling, ventilation and lighting for buildings as well as the use of automated solar control, cross and stack ventilation, daylighting methods and interior environmental controls. Offered pass/no pass only.

ARCHT 095 LEED GREEN ASSOCIATE TEST PREPARATION

Units: 0.50 (0.50 lecture units)

9.00 hours lecture

Prepares students for the LEED Green Associate (GA) exam through a structured program that includes introduction to studying methodologies, test taking strategies and in-class practice testing. Units do not apply to the associate degree and offered pass/no pass only.

ARCHT 100 CAREERS IN ARCHITECTURE, INTERIOR DESIGN AND RELATED FIELDS

Units: 1.00 (1.00 lecture unit)

CSU 18.00 hours lecture

Surveys careers in architecture, interior design and related fields, including degree requirements, transfer institutions, income, and employment opportunities. Field trips may be required. Same as ID-100

ARCHT 110 ARCHITECTURAL DRAFTING

Units: 3.00 (2.00 lecture units, 1.00 lab unit)

CSU 36.00 hours lecture, 54.00 hours lab

Presents current practices in architectural drafting and construction technology focusing on a small single family residence. Drafting techniques will emphasize clarity, line weight expression and accuracy. Same as ID-110.

ARCHT 114 ARCHITECTURE AND INTERIORS HISTORY: ANTIQUITY - CLASSICAL REVIVAL

Units: 3.00 (3.00 lecture units)

UC:CSU 54.00 hours lecture

Explores the history of building styles in architecture, and the decorative arts in interior design from Antiquity (roughly 3000 BCE) to Classical Revival (roughly early 19th century CE). Emphasis is placed on style development as it relates to social, economic, and political influences. Field trips may be required. Same as ID-114

ARCHT 115 ARCHITECTURE AND INTERIORS HISTORY: CLASSICAL REVIVAL - POST MODERN

Units: 3.00 (3.00 lecture units)

UC:CSU 54.00 hours lecture

Traces the development of styles in the decorative arts, architecture, and interior furnishings in the period from Classical Revival (roughly early 19th century CE) to Post-Modern (up through the 21st century CE). Emphasizes style development as it relates to social, economic and political influences. Field trips may be required. Same as ID-115

ARCHT 120 DESIGN I - ELEMENTS OF ARCHITECTURAL DESIGN

Units: 3.00 (1.00 lecture unit, 2.00 lab units)

UC:CSU 18.00 hours lecture, 108.00 hours lab

Introduces fundamentals of the 2D and 3D design process including the design and representation of architectural form, space and organization.

ARCHT 140 MATERIALS AND METHODS OF CONSTRUCTION

Units: 3.00 (3.00 lecture units)

CSU 54.00 hours lecture

Introduces materials, components, systems, and methods used in the construction of traditional and sustainable building projects. Field trips may be required.

ARCHT 160 2-D CAD FOR ARCHITECTURE AND INTERIOR DESIGN

Units: 3.00 (2.00 lecture units, 1.00 lab unit)

CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: ARCHT-110 or ID-110

Presents drawing and editing commands and procedures to complete basic 2-D CAD drawings for a set of architectural construction documents.

ARCHT 180 CODES AND ZONING REGULATIONS

Units: 3.00 (3.00 lecture units)

CSU 54.00 hours lecture

Provides an in-depth review of California Building Codes (CA Title 24) including ADA (Disabled Access Regulations based on the Americans with Disability Act) as related to commercial, residential and institutional projects. Architects and Interior Designers apply building codes and zoning regulations in the design and documentation of code compliance for projects.

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ARCHT 190 DESIGN II – SPACE PLANNING

Units: 3.00 (2.00 lecture units, 1.00 lab unit)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: ID-110 or ARCHT-110

Recommended Preparation: ARCHT-120 and ID-101B

Includes the design process, methods, and presentations of interior commercial spaces. Schematic planning, code application, and human dimensions as related to anthropometrics and proxemics and the use of space for special populations will be applied in student projects. Same as ID-190.

ARCHT 200A SUSTAINABLE DEVELOPMENT AND ENVIRONMENTAL DESIGN

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture

Introduces sustainable development and environmental design considerations and practices in response to climate, economics, politics, building energy systems, architectural concepts and city planning. Field trip may be required.

ARCHT 200B DESIGN III - ENVIRONMENTAL DESIGN LAB

Units: 3.00 (3.00 lecture units)
CSU 162.00 hours lab

Prerequisite: ARCHT-120 Co-requisite: ARCHT-200A Recommended Preparation: ARCHT-140, ARCHT-190, and ARCHT-110 or ID-110.

Explores environmental design principles and considerations for sustainable buildings in a laboratory studio course, including climate, energy use, occupant comfort, and sustainable material selection for envelope-load dominated buildings. Field trip may be required.

ARCHT 207 RESIDENTIAL DESIGN

Units: 3.00 (1.00 lecture unit, 2.00 lab units)
CSU 18.00 hours lecture, 108.00 hours lab

Prerequisite: ID-101A and ID-101B or ARCHT-120, and ARCHT-110 or ID-110

Addresses residential space planning, programming, and support spaces explored through creative expression. Includes critiques and design presentations. Same as ID-207.

ARCHT 217 ADVANCED RESIDENTIAL DESIGN STUDIO

Units: 3.00 (1.00 lecture unit, 2.00 lab units)
CSU 18.00 hours lecture, 108.00 hours lab

Prerequisites: ARCHT-207 or ID-207, and ARCHT-084 or ID-084 or ARCHT-270.

Recommended Preparation: ID-104, ID-113, ID-114, ID-115.

Solves advanced residential design problems by focusing on the process of creating design solutions for diverse clients and diverse budgets. Portfolio pieces will be produced. Field trips may be included. Same as ID-217.

ARCHT 220 ADVANCED 2-D CAD FOR ARCHITECTURE AND INTERIOR DESIGN

Units: 3.00 (2.00 lecture units, 1.00 lab unit)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: ARCHT-160

Presents advanced applications for preparation of architectural construction drawings using advanced 2-D CAD commands, including application of codes for a two-story wood framed structure.

ARCHT 230 STRUCTURES I

Units: 3.00 (3.00 lecture units)
CSU 54.00 hours lecture

Prerequisite: ARCHT-140 and PHYSIC-102 or PHYSIC-110

Examines structural system design concepts and applications by utilizing fundamental principles, understanding force–stress relationships, and applying calculation and analysis methods. Students will analyze how forces and stresses influence system behavior, evaluate the relationship between structural form, function, and economic considerations, and create informed structural strategies for architectural building projects.

ARCHT 240 ARCHITECTURAL DESIGN PORTFOLIO

Units: 3.00 (2.00 lecture units, 1.00 lab unit)
CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: ARCHT-084

Presents the process of preparing for employment in the architecture industry, including a portfolio of appropriate selection of work, concept improvement and methods of presentation. Same as ID-240.

ARCHT 250 INTRODUCTION TO SUSTAINABLE BUILDING CERTIFICATION SYSTEMS

Units: 3.00 (3.00 lecture units)
CSU 54.00 hours lecture

Explores introductory considerations and practices for applying industry-recognized sustainable building certification systems, such as Leadership in Energy and Environmental Design (LEED), to both residential and non-residential projects. The course will emphasize preparation for sustainable building system credential exams.

ARCHT 260 3-D MODELING/RENDERING FOR ARCHITECTURE AND INTERIOR DESIGN

Units: 3.00 (2.00 lecture units, 1.00 lab unit)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: ARCHT-084 or ARCHT-160

Presents advanced computer-aided drafting (CAD) features to create 3-dimensional conceptual drawings.

ARCHT 270 INTRODUCTION TO BUILDING INFORMATION MODELING (BIM)

Units: 3.00 (2.00 lecture units, 1.00 lab unit)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: ARCHT-160

Recommend Preparation: ARCHT-084 or ID-084

Introduces the fundamentals of Building Information Modeling (BIM) for Architecture and Interior Design projects. Includes beginning to intermediate techniques for 3D modeling using BIM software in addition to preparing photorealistic renderings with materials, lighting, furniture, and people. Field trip may be required.

ARCHT 280 DESIGN IV - ADVANCED DESIGN

Units: 3.00 (1.00 lecture unit, 2.00 lab units)
UC:CSU 18.00 hours lecture, 108.00 hours lab

Prerequisite: ARCHT-120 and ARCHT-190 or ID-101B and ID-190 and ID-207

Recommended Preparation: ARCHT/ID-084, ARCHT-200B, ARCHT-260, and ARCHT-270

Applies advanced methods and theories used in architectural design projects. Topics include site analysis, design process, architectural concept development, application of construction principles, and advanced presentation techniques. Portfolio will be produced. Field trip may be required.

ARCHT 290 ADVANCED BUILDING INFORMATION MODELING (BIM)

Units: 3.00 (2.00 lecture units, 1.00 lab unit)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: ARCHT-270

Presents advanced applications of Building Information Modeling (BIM) for Architecture and Interior Design projects. Includes BIM project coordination fundamentals, construction detailing within the BIM environment, and advanced techniques for preparing virtual reality simulations of interior/exterior 3D models with photorealistic materials and lighting.

ARCHT 317 REGULATORY COMPLIANCE DOCUMENTATION - RESIDENTIAL

Units: 3.00 (1.00 lecture unit, 2.00 lab units)

CSU 18.00 hours lecture, 108.00 hours lab

Prerequisite: ARCHT-200A, and 270

Examines design development, building code compliance and construction documents needed to secure permit approvals for residential projects. Course topics include the technical aspects of key energy efficiency programs for single and multifamily residential construction. Students will also examine forms and procedures for ensuring code compliance and documenting projects for compliance with building energy-efficiency programs. Upper division course, registration is limited to students with junior standing in the Bachelor of Science in Building Performance Degree program.

ARCHT 320 CLIMATE APPROPRIATE BIODIVERSE LANDSCAPING AND IRRIGATION

Units: 3.00 (2.00 lecture units, 1.00 lab unit)

CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: BIOSCI-330

Examines planning and material specification considerations and practices used in biodiverse landscaping with climate appropriate irrigation. Emphasis on preparing residential and non-residential climate appropriate and code compliant landscape and irrigation drawings for permit. Field trips may be required. Upper division course, registration is limited to students with Junior Standing in the Bachelor of Science in Building Performance Degree program.

ARCHT 350 ENVIRONMENTAL CONTROL SYSTEMS FOR NET-ZERO BUILDINGS

Units: 3.00 (3.00 lecture units)

CSU 54.00 hours lecture

Prerequisite: CONST-101, and PHYSIC-101 or PHYSIC-110.

Examines passive and active control systems for providing functionality and comfort to occupants in Net-Zero buildings. Topics include heating, cooling, and ventilation systems, lighting methods, plumbing and electrical systems, renewable energy generation, and building automation systems. Upper division course, registration is limited to students with Junior Standing in the Bachelor of Science in Building Performance Degree program.

ARCHT 370 BUILDING ENERGY MODELING

Units: 3.00 (2.00 lecture units, 1.00 lab unit)

CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: ARCHT-290 and ARCHT-350

Examines industry-recognized practices for using digital simulation, analysis, and evaluation to assess the performance of proposed and existing buildings. This course will focus on the iterative methodologies used in the A/E/C industry to inform the performance of residential and non-residential building projects, as well as the calculations necessary to document compliance with regulatory codes and sustainable building rating system requirements. Upper division course, registration is limited to students with Junior Standing in the Bachelor of Science in Building Performance Degree program.



Continued on the next page.

ARCHT 417 ADVANCED REGULATORY COMPLIANCE DOCUMENTATION - NON-RESIDENTIAL

Units: 3.00 (1.00 lecture unit, 2.00 lab units)

CSU 18.00 hours lecture, 108.00 hours lab

Prerequisite: ARCHT-317 and 350

Examines advanced design development, building code compliance, and construction documents needed to secure permit approvals for non-residential projects. Course topics include the development of technical details needed to comply with applicable regulations for non-residential construction. Upper division course, registration is limited to students with senior standing in the Bachelor of Science in Building Performance Degree program.

ARCHT 450 ADVANCED SUSTAINABLE BUILDING CERTIFICATION SYSTEMS

Units: 3.00 (2.00 lecture units, 1.00 lab unit)

CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: ARCHT-250

Prerequisite or Concurrent Enrollment: ARCHT-370

Explores advanced considerations and practices for applying industry-recognized sustainable building certification systems to both residential and non-residential projects. The course will emphasize preparation for sustainable building system credential exams. Upper division course, registration is limited to students with Senior Standing in the Bachelor of Science in Building Performance Degree program.

ARCHT 490 INTEGRATIVE PROCESS FOR SUSTAINABLE BUILDING

CSU 54.00 hours lecture (3.00 lecture units)

Prerequisite: ARCHT-370

Examines the professional considerations and practices of integrative processes for building sustainably. Focuses on the legal, financial, and procedural implications of integrative process methodologies for all project stakeholders. Upper division course, registration is limited to students with Senior Standing in the Bachelor of Science in Building Performance Degree program.

ART

The Art Department program at College of the Canyons provides students with introductory courses in the fine arts. The current program offers both studio and lecture sections, and the majority are transferable to University of California, California State University as well as most private art colleges in the nation. The College of the Canyons catalog reflects California State University's lower division requirements for a BA at the freshman and sophomore levels. The art program provides a wide range of skills. Studio courses at the beginning and intermediate levels include: beginning drawing, life drawing, 2-D design, 3-D design, sculpture, two levels of printmaking, painting, watercolor painting, landscape painting and illustration. Art appreciation and art history courses survey the development of art from the Paleolithic period to the present. In addition to developing critical and creative skills, art students have many opportunities to get involved in contemporary art culture. As part of the regular program, students will do many of the following activities: visit local art exhibitions, artists' studios, private collections and art libraries, and gain experience in review writing. The art gallery provides a program of up to five exhibitions a year. While our exhibition schedule represents diversity in culture and style, it also parallels the curriculum of the fine and applied arts departments. The gallery serves as an instructional tool for all visual arts courses, the college at large relationships with other academic departments and the community.

Associate in Arts for Transfer Degree: Art History

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Art History. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to analyze and interpret works of cultural importance.

Program Requirements:

Units Required: 18

		Units
ARTH-C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ARTH-C1200	Survey of Art from the Renaissance to Contemporary	3.0
ART-125A	Fundamentals of Drawing	3.0

Plus three units from the following:

ART-112	Art of Africa, Oceania, and the Indigenous Americas	3.0
ART-116	Asian Art History	3.0

Plus three units from the following:

ART-125B	Intermediate Drawing	3.0
ART-140	Beginning Design: Two-Dimensional Media	3.0
ART-141	Beginning Design: Three-Dimensional Media	3.0
ART-235	Sculpture I	3.0
PHOTO-155	Photography	3.0

Plus three units from the following:

ART-115	Art History: U.S and European Modernism	3.0

Associate in Arts for Transfer Degree: Studio Arts

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an “associate degree for transfer”, a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Studio Arts. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to critically engage with the world of ideas, both historical and contemporary, enabling them to interpret and understand their place in the world as citizens and active participants in the expression of human culture and values.

Program Requirements:

Units Required: 24

		Units
ARTH-C1200	Survey of Art from the Renaissance to Contemporary	3.0
ART-125A	Fundamentals of Drawing	3.0
ART-140	Beginning Design: Two-Dimensional Media	3.0
ART-141	Beginning Design: Three-Dimensional Media	3.0

Plus three units from the following:

ARTH-C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ART-112	Art of Africa, Oceania, and the Indigenous Americas	3.0
ART-115	Art History: U.S and European Modernism	3.0
ART-116	Asian Art History	3.0

Plus one course from any of three of the following areas for a maximum of nine units:

Applied Design:

ART-282	Introduction to Fiber Arts	3.0

Ceramics

ART-230	Ceramics I	3.0
ART-231	Ceramics II	3.0

Color:

ART-270	Color Theory	3.0

Drawing:

ART-125B	Intermediate Drawing	3.0
ART-225A	Life Drawing I	3.0
ART-225B	Life Drawing II	3.0

Illustration:

ART-222	Illustration I	3.0

Painting:

ART-227	Painting I	3.0
ART-228	Painting II	3.0

Photography:

PHOTO-155	Photography I	3.0
PHOTO-160	Black and White Photography	3.0

Continued on the next page.

Printmaking:

ART-237	Fundamentals of Printmaking	3.0
ART-238	Printmaking – Intaglio	3.0

Sculpture:

ART-235	Sculpture I	3.0
ART-236	Sculpture II	3.0

Associate in Arts Degree: Art

Degree Student Learning Outcome:
Students will be able to analyze and interpret works of cultural importance.

Program Requirements:

Units Required: 27

		Units
	Choose six units from the following:	
ARTH-C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ARTH-C1200	Survey of Art from the Renaissance to Contemporary	3.0
ART-112	Art of Africa, Oceania, and the Indigenous Americas	3.0
ART-115	Art History: U.S and European Modernism	3.0
ART-116	Asian Art History	3.0
	Plus fifteen units from the following:	
ART-125A	Fundamentals of Drawing	3.0
ART-125B	Intermediate Drawing	3.0
ART-140	Beginning Design: Two-Dimensional Media	3.0
ART-141	Beginning Design: Three-Dimensional Media	3.0
ART-225A	Life Drawing I	3.0
	Plus six units from the following:	
ART-220	Watercolor Painting	3.0
ART-222	Illustration I	3.0
ART-227	Painting I	3.0
ART-230	Ceramics I	3.0
ART-235	Sculpture I	3.0
ART-237	Fundamentals of Printmaking	3.0
ART-270	Color Theory	3.0
ART-282	Introduction to Fiber Arts	3.0
	Recommended electives:	
ART-225B	Life Drawing II	3.0
ART-231	Ceramics II	3.0
ART-236	Sculpture II	3.0
ART-238	Printmaking – Intaglio	3.0
ART-295	Professional Skills for Artists	3.0

ARTH C1100 ART HISTORY: SURVEY OF ART FROM PREHISTORY TO THE MEDIEVAL ERA

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture
C-ID ARTH 110

This course introduces students to visual art and architecture from prehistory to the medieval era with a focus on art from Europe, North Africa, and the near East. The course will further consider global interactions involving these regions. Field trips may be required.

Formerly ART-110.

ARTH C1200 ART HISTORY: SURVEY OF ART FROM THE RENAISSANCE TO CONTEMPORARY

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture
C-ID ARTH 120

This course provides an overview of art and architecture from the Renaissance to the contemporary period with a focus on art from Europe. The course will further consider global interactions involving this region. Field trip may be required. Formerly ART-111.

ART 100 LANDMARKS OF ART AND VISUAL CULTURE

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture
C-ID ARTH 100

Provides a general introduction to art that offers a look at works of art through the study of theory, terminology, themes, design principles, media, techniques, with an introduction to the visual arts across time and diverse cultures. Field trips may be required.

ART 112 ART OF AFRICA, OCEANIA, AND THE INDIGENOUS AMERICAS

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

Survey of the visual art and culture within select regions of Africa, Oceania, and the Americas. Field trip may be required.

ART 115 ART HISTORY: U.S. AND EUROPEAN MODERNISM

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture

Surveys the history of architecture, sculpture and painting from the mid-19th century to the present time in Western Europe and North America, emphasizing art of the 20th century. Museum field trips may be required.

ART 116 ASIAN ART HISTORY
Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture
C-ID ARTH 130
Recommended Preparation: ENGL-C1000 or ENGL-C1000H
Surveys art and architecture from India, Southeast Asia, China, Korea, and Japan from prehistory to modern times. Field trip may be required.

ART 125A FUNDAMENTALS OF DRAWING
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours lab
C-ID ARTS 110
Introduces drawing experiences emphasizing basic drawing techniques in a variety of media and compositional and design fundamentals.

ART 125B INTERMEDIATE DRAWING
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours lab
C-ID ARTS 205
Prerequisite: ART-125A
Explores artistic concepts, styles, and creative expression related to intermediate-level drawing, focusing on complex subject matter and approaches using a variety of drawing mediums, techniques, and methodologies.

ART 140 BEGINNING DESIGN: TWO-DIMENSIONAL MEDIA
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours lab
C-ID ARTS 100
Introduces the study and applications of the elements and principles of 2-D design with special emphasis on structure, color, and composition; materials may include pencil, gouache, and ink.



ART 141 BEGINNING DESIGN: THREE-DIMENSIONAL MEDIA
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours lab
C-ID ARTS 101
Introduces the basic principles of three-dimensional design with applications in a variety of sculptural media including clay, plaster, wood and paper. Topics include basic design principles, interpretive analysis of form and content and theories of spatial organization. Field trip may be required.

ART 220 WATERCOLOR PAINTING
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours lab
Introduces the use of transparent watercolor media, including instruction in the techniques of wet into wet, dry brush, glazing and direct painting applications. Field trips may be required.

ART 222 ILLUSTRATION I
Units: 3.00 (1.50 lecture units, 1.50 lab units)
CSU 27.00 hours lecture, 81.00 hours lab
Prerequisite: ART-125A or ART-140
Introduces materials and techniques used by commercial illustrators. Projects emphasize concept development, style, imagery, and illustrative communication for use in and in combination with advertising, editorial print media, and various publications. Projects are designed to meet professional standards. Field trips may be required.

ART 225A LIFE DRAWING I
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours lab
C-ID ARTS 200
Recommended Preparation: ART-125A
Continues exploring the fundamentals of drawing from ART-125A and emphasizes studying human skeletal/ muscular structure and the posed model.

ART 225B LIFE DRAWING II
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours lab
Recommended Preparation: ART-125A
Presents advanced drawing techniques studying skeletal and muscular structure from the live model, emphasizing the development of drawing skills to suggest proportion, form and gesture.

ART 227 PAINTING I
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours lab
C-ID ARTS 210
Prerequisite: ART-125A or ART-140
Introduces beginning painting techniques, pictorial design, and composition. Includes exploration of various media such as oil and acrylic. Field trip may be required.

ART 228 PAINTING II
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours lab
Prerequisite: ART-125A or presentation of portfolio
Presents advanced painting techniques including pictorial design, creative interpretation and the use of various media. Field trips may be required.

ART 230 CERAMICS I
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours
Introduces fundamental ceramic concepts, materials, techniques, and processes, emphasizing creative development of basic ceramics design principles such as sculpting, hand-building, throwing, glazing, and firing. Explores historical, contemporary, and personal modes of ceramic expression across cultures and examines the aesthetics and creative development of clay objects. The safe use of ceramic materials and equipment is emphasized throughout the course. Field trip may be required.

ART 231 CERAMICS II
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours lab
Prerequisite: ART-230
Second of a two course sequence. Explores advanced knowledge of ceramic techniques, concepts, and history through hands-on projects. Refine skills in sculpting, hand-building, throwing, glazing, and firing processes while engaging with cross-cultural perspectives in ceramics. Safe and responsible use of ceramic materials and equipment is emphasized. Field trips may be required.

ART 235 SCULPTURE I
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours lab
Prerequisite: ART-141
Introduces the study of plastic form through the processes of modeling, casting, carving and construction. Emphasis on the development of ideas and personal expression. Materials may include clay, plaster, hydrocal, stone carving, wood carving and mixed media. Field trip may be required.

ART 236 SCULPTURE II
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours lab
Prerequisite: ART-235
Second of a two course sequence in sculpture continues the student's knowledge of contemporary techniques and materials as the second of a two course sequence in sculpture. Additive, subtractive, manipulation and substitution techniques are further explored.

ART 237 FUNDAMENTALS OF PRINTMAKING
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours lab
Recommended Preparation: ART-125A
Introduces materials and techniques of monoprint, silk screen and relief print--including wood and linoleum.

ART 238 PRINTMAKING - INTAGLIO
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours lab
Prerequisite: ART-237
Introduces intaglio printmaking techniques and printed image development, including etching, photo etching, engraving, dry-point and aquatint.

ART 270 COLOR THEORY
Units: 3.00 (1.50 lecture units, 1.50 lab units)
CSU 27.00 hours lecture, 81.00 hours lab
C-ID ARTS 270
Recommended Preparation: ART-140
Examines the principles, theories, and applications of additive and subtractive color in two-dimensional art. Topics will include major historical and contemporary color systems, production of projects in applied color, and the elements of design as they apply to color. Field trips may be required.

ART 282 INTRODUCTION TO FIBER ARTS
Units: 3.00 (1.50 lecture units, 1.50 lab units)
UC:CSU 27.00 hours lecture, 81.00 hours lab
Recommended Preparation: ART-141
Introduces the basic materials, methods and vocabulary of fiber and textile media used to create expressive, visual forms. Contemporary and historical development and the cultural relevance of fiber arts is also explored.

ART 295 PROFESSIONAL SKILLS FOR ARTISTS
Units: 3.00 (1.50 lecture units, 1.50 lab units)
CSU 27.00 hours lecture, 81.00 hours lab
Emphasizes developing business and practical skills for a career in the arts, including photographing, documenting, matting, framing, crating, shipping, installation, lighting, resume writing, publicity, visual presentation, preparation of invoices and taxes, contracts, copyright law and portfolio presentation. Field trips may be required.

ASTRONOMY

Astronomy is the study of the principles and development of the solar system and the galaxies. Astronomy classes include general survey introductory courses for physical science majors or students looking for interesting alternatives to fulfill general education requirements. The following is a sample of career options available for astronomy majors, of which most require a baccalaureate degree, and some require a graduate degree: teacher, astrophysicist and astronomer. An associate degree is not available in astronomy.

ASTRON 100 INTRODUCTION TO ASTRONOMY

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture

Explore and visualize phenomena in astronomy, with an emphasis on the study of the Sun and other stars. Topics include motions in our sky, gravity, light, astronomical instrumentation, evolutionary changes of stars and cosmology. UC credit limitation: No credit for ASTRON-100 if taken after 102 or 104.

ASTRON 102 PLANETARY ASTRONOMY

Units: 3.00 (3.00 lecture units)
UC:CSU 54.00 hours lecture

Investigate the variety of planetary systems outside of our solar system and evaluate the many worlds in our solar system. UC credit limitation: No credit for ASTRON-100 if taken after 102 or 104.

ASTRON 104 INTRODUCTION TO ASTRONOMY WITH LAB

Units: 4.00 (3.00 lecture units, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab

Explore and visualize phenomena in astronomy, with an emphasis on the study of the Sun and other stars. Topics include motions in our sky, gravity, light, astronomical instrumentation, evolutionary changes of stars and cosmology. The laboratory portion includes observations of the sky, computer simulations, and analyzing publicly available astronomical data from the internet. Formerly ASTRON-101 + 101L.



AUTOMOTIVE TECHNOLOGY

Associate in Science Degree and Certificate of Achievement: Automotive Technology

The Automotive Technology program is a comprehensive two-year program designed to prepare students with the industry defined entry-level skills needed for an automotive technician position in a variety of settings including dealerships, independent automotive repair facilities or city/county agencies. Students may opt to complete an associate in science degree or a certificate of achievement in Automotive Technology. The program provides in-depth training with extensive hands-on experiences. In the classroom, students learn the theoretical aspects of automotive diagnosis, repair and service. In the automotive laboratory setting students will experience applying the theory learned in the classroom. Upon completion of the course work required for the certificate or major, students will have achieved competencies in the areas of brakes, suspension, electrical components and wiring, transmissions, engine diagnosis and drivability. While many automobile dealerships require technicians to acquire manufacturer specialty training, the basic skills and knowledge needed to enter specialty training will be obtained in the Automotive Technician program at College of the Canyons.

Degree and Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the automotive industry.

Program Requirements:

Units Required: 37

		Units
AUTECH-110	Introduction to Automotive Technology	4.0
AUTECH-112	Engine Fundamentals for Technicians	3.0
AUTECH-113	Engine Overhaul	2.0
AUTECH-114	Basic Automotive Electrical Systems	3.0
AUTECH-135	Engine Performance	4.0
AUTECH-140	Automotive Suspension & Steering Systems	3.0
AUTECH-150	Automotive Brake Systems	3.0
AUTECH-170	Automotive Heating, Ventilation and Air Conditioning	3.0
AUTECH-180	Engine Mechanical Maintenance and Light Repair	4.0

Continued on the next page.

AUTECH-185	Automotive Chassis Maintenance and Light Repair	4.0

Plus one course from the following:

AUTECH-120	Automatic Transmissions & Transaxles	3.0
AUTECH-130	Automotive Manual Transmissions and Drive Train Systems	3.0

Plus a minimum of one unit from the following:

WE-186AUTO	Work Experience Education Automotive Technology	1.0 – 4.0

Associate in Science Degree and Certificate of Achievement: Advanced Diagnosis and Performance

Degree and Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the automotive industry.

Program Requirements:

Units Required: 36

		Units
AUTECH-110	Introduction to Automotive Technology	4.0
AUTECH-112	Engine Fundamentals for Technicians	3.0
AUTECH-114	Basic Automotive Electrical Systems	3.0
AUTECH-116	Advanced Automotive Electrical Systems	4.0
AUTECH-135	Engine Performance	4.0
AUTECH-136	Engine Emission Control	3.0
AUTECH-180	Engine Mechanical Maintenance and Light Repair	4.0
AUTECH-185	Automotive Chassis Maintenance and Light Repair	4.0
AUTECH-190	Automotive Computer Networking and Diagnosis	4.0
AUTECH-200	Introduction to Hybrid and Electric Vehicles	3.0

Plus a minimum of one unit from the following:

WE-186AUTO	Work Experience Education Automotive Technology	1.0 – 4.0

Certificate of Achievement: Engine Repair

The Engine Repair certificate of achievement will prepare an individual for a career as a mid-level technician. Students will have the ability to diagnose a variety of vehicle engine malfunctions as well as preform repairs and engine rebuilds.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge in engine repair required for employment in the automotive industry.

Programs Requirements:

Units Required: 17

		Units
AUTECH-110	Introduction to Automotive Technology	4.0
AUTECH-112	Engine Fundamentals for Technicians	3.0
AUTECH-113	Engine Overhaul	2.0
AUTECH-135	Engine Performance	4.0
AUTECH-180	Engine Mechanical Maintenance and Light Repair	4.0

Certificate of Achievement: Quick Service Technician

The Quick Service Technician Certificate of Achievement will prepare an individual for entry-level employment as a light-duty service technician within the Automotive industry. Students will have the ability to diagnose common mechanical issues, perform regular vehicle maintenance procedures, and do minor repairs.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge of a service technician required for employment in the automotive industry.

Programs Requirements:

Units Required: 18

		Units
AUTECH-110	Introduction to Automotive Technology	4.0
AUTECH-114	Basic Automotive Electrical Systems	3.0
AUTECH-150	Automotive Brake Systems	3.0
AUTECH-180	Engine Mechanical Maintenance and Light Repair	4.0
AUTECH-185	Automotive Chassis Maintenance and Light Repair	4.0

Certificate of Achievement: Transmission Service Technician

The Transmission Service Technician certificate of achievement will prepare an individual for a career in the specialty area of transmission within the Automotive industry. Students will have the ability to diagnose, repair and rebuild both manual and automotive transmissions at the conclusion of this certificate.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge of a transmission service technician required for employment in the automotive industry.

Programs Requirements:

Units Required: 17

		Units
AUTECH-110	Introduction to Automotive Technology	4.0

AUTECH-114	Basic Automotive Electrical Systems	3.0
AUTECH-120	Automatic Transmissions and Transaxles	3.0
AUTECH-130	Automotive Manual Transmissions and Drive Train Systems	3.0
AUTECH-185	Automotive Chassis Maintenance and Light Repair	4.0

Certificate of Specialization: Diesel Technician

The Diesel Technician certificate of specialization will prepare an individual for a career as a light duty diesel technician. Students will have the ability to diagnose a variety of diesel engine malfunctions as well as preform service, repairs and rebuild diesel engines.

Degree and Certificate Student Learning Outcome: Students will be able to demonstrate the skills required to effectively diagnose, service and repair light duty diesel vehicles.

Program Requirements:

Units Required: 6

		Units
AUTECH-160	Diesel Engines	3.0
AUTECH-165	Diesel Fuel Systems	3.0

AUTECH 110 INTRODUCTION TO AUTOMOTIVE TECHNOLOGY

Units: 4.00 (3.00 lecture units, 1.00 lab unit)
CSU 54.00 hours lecture, 54.00 hours lab
C-ID AUTO 110X

Introduces an overview of automotive maintenance and repair concepts for the student with little or no background in the automotive field. Covers major vehicle operations, including theory of operation, basic maintenance, lubrication, cooling, suspension, lighting, brakes, tires, ignition system, major systems, preventative maintenance, and roadside emergency procedures.

AUTECH 112 ENGINE FUNDAMENTALS FOR TECHNICIANS

Units: 3.00 (3.00 lecture units)
CSU 54.00 hours lecture

Introduces theory and practice in automotive engine repair, including operating principles, component identification, and diagnosis process of engine failures.

AUTECH 113 ENGINE OVERHAUL

Units: 2.00 (2.00 lab units)
CSU 108.00 hours lab

Provides an in-depth experience in rebuilding a carbureted engine assembly. Emphasis is placed on measurements, repair techniques, service procedures, and valve machining operations.

AUTECH 114 BASIC AUTOMOTIVE ELECTRICAL SYSTEMS

Units: 3.00 (3.00 lecture units)
CSU 54.00 hours lecture

Introduces the electrical theory and mathematical application required to be successful in the automotive field. First level course in preparation for the A6 ASE (Automotive Service Excellence) certificate.

AUTECH 116 ADVANCED AUTOMOTIVE ELECTRICAL SYSTEMS

Units: 4.00 (3.00 lecture units, 1.00 lab unit)
CSU 54.00 hours lecture, 54.00 hours lab

Prerequisite: AUTECH-110 & 114

Examines modern automobile's electrical system as related to the engine and various engine related systems. The theory of operation, operational characteristics and methods of problem diagnosis and repair for the following systems are included: electronic ignition systems, electronic fuel injection, engine management, emission control, charging, cooling and starting. This course prepares the student for the A6 ASE (Automotive Service Excellence); Electrical and Electronic Systems Exam and is intended for Automotive majors.

AUTECH 120 AUTOMATIC TRANSMISSIONS AND TRANSAXLES

Units: 3.00 (2.00 lecture units, 1.00 lab unit)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID AUTO 120X

Recommended Preparation: AUTECH-110 & 114

Introduces the theory, operation, diagnosis, repair, and service of automatic transmissions and transaxles. Prepares students to take the A2 ASE (Automotive Service Excellence) test.

AUTECH 130 AUTOMOTIVE MANUAL TRANSMISSIONS AND DRIVE TRAIN SYSTEMS

Units: 3.00 (2.00 lecture units, 1.00 lab unit)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID AUTO 130X

Recommended Preparation: AUTECH-110 & 114

Presents the theory, operation, diagnosis, service and repair of automotive manual transmissions and drive trains. Prepares students to take the A3 ASE (Automotive Service Excellence) test.

AUTECH 135 ENGINE PERFORMANCE

Units: 4.00 (3.00 lecture units, 1.00 lab unit)
CSU 54.00 hours lecture, 54.00 hours lab

Prerequisite: AUTECH-110, 112, & 114

Introduces the design and operation of domestic and import ignition, fuel and emission control systems. Students will preform common service and repair of the engine and subsystems.

AUTECH 136 ENGINE EMISSION CONTROL

Units: 3.00 (2.00 lecture units, 1.00 lab unit)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: AUTECH-135

Examines advanced concepts relating to Tune-Up and Emissions. This course is designed for students who want to enter the field of Smog Inspection and Repair.

AUTECH 140 AUTOMOTIVE SUSPENSION & STEERING SYSTEMS

Units: 3.00 (2.00 lecture units, 1.00 lab unit)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID AUTO 140X

Recommended Preparation: AUTECH-114

Provides theory and operation, diagnosis, service and repair procedures of automotive suspension and steering systems. Prepares students to take the A4 ASE (Automotive Service Excellence) test.

AUTECH 150 AUTOMOTIVE BRAKE SYSTEMS

Units: 3.00 (2.00 lecture units, 1.00 lab unit)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID AUTO 150X

Recommended Preparation: AUTECH-110 & 114

Provides the theoretical and practical application of the operation, diagnosis, service, and repair of traditional, electrical and regenerative braking systems. Prepares students to take the A5 ASE (Automotive Service Excellence) test.

AUTECH 160 DIESEL ENGINES

Units: 3.00 (2.00 lecture units, 1.00 lab unit)
CSU 36.00 hours lecture, 54.00 hours lab

Introduces students to the field of diesel-powered engines and equipment maintenance and service. Students learn about the common types of diesel powered engines and equipment, shop safety, hydraulic fittings, technician tool requirements, service shop organization and procedures.

AUTECH 165 DIESEL FUEL SYSTEMS

Units: 3.00 (2.00 lecture units, 1.00 lab unit)

CSU 36.00 hours lecture, 54.00 hours lab

Introduces students to the two and four stroke diesel fuel systems. Students learn about the common types of diesel fuel delivery systems, fuel types, engine brakes, shop safety, fuel safety, technician tool requirements, service shop organization and procedures.



AUTECH 170 AUTOMOTIVE HEATING, VENTILATION AND AIR CONDITIONING

Units: 3.00 (2.00 lecture units, 1.00 lab unit)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID AUTO 170X

Recommended Preparation: AUTECH-110 & 114

Provides theory and operation, diagnosis, service and repair of automotive heating, ventilation and air conditioning systems. Students will be required to take the MACS EPA (Mobile Air Conditioning Society, Environmental Protection Agency) certification tests. Prepares students to take the A7 ASE (Automotive Service Excellence) test.

AUTECH 180 ENGINE MECHANICAL MAINTENANCE AND LIGHT REPAIR

Units: 4.00 (3.00 lecture units, 1.00 lab unit)

CSU 54.00 hours lecture, 54.00 hours lab

Prerequisite: AUTECH-110, 112, & 114
Recommended Preparation: AUTECH-116 & 135

Explores how to safely perform common repairs, maintenance operations, automotive diagnosis and tune-up procedures on the engine and subsystems. Students will be required to take the MACS EPA (Mobile Air Conditioning Society, Environmental Protection Agency) certification tests.

AUTECH 185 AUTOMOTIVE CHASSIS MAINTENANCE AND LIGHT REPAIR

Units: 4.00 (3.00 lecture units, 1.00 lab unit)
CSU 54.00 hours lecture, 54.00 hours lab

Prerequisite: AUTECH-110, 112, & 114
Recommended Preparation: AUTECH-116

Explores the fundamentals of service and repair procedures for the drive train and its subsystems in modern automobile. Students will learn how to safely perform basic repair, maintenance operations and automotive drivetrain diagnosis as they pertain to the function and control of the transmission, brakes, suspension, exhaust and chassis electrical systems.

AUTECH 190 AUTOMOTIVE COMPUTER NETWORKING & DIAGNOSIS

Units: 4.00 (3.00 lecture units, 1.00 lab unit)
CSU 54.00 hours lecture, 54.00 hours lab

Prerequisite: AUTECH-116 & 135

Provides advanced theory and principles of automotive diagnosis and troubleshooting procedures. This course is specific to computer controlled systems of the modern automobile. This course is designed to strengthen existing student skills in the field of advanced automotive technology, service, and repair.

AUTECH 200 INTRODUCTION TO HYBRID AND ELECTRIC VEHICLES

Units: 3.00 (3.00 lecture units)
CSU 54.00 hours lecture
C-ID ALTF 100X

Prerequisite: AUTECH-110, 114, & 116

Explores the use and service of hybrid electronic generation, plug-in battery-electric power, and fuel cell power generation for vehicles. Topics will include OSHA/ NEC/NFPA high voltage safety specifically for the service technician. Dynamics of high voltage battery energy, hybrid generation systems, electric vehicle applications and their integrated systems from many manufacturers will be discussed.

BEER STUDIES

BEERST 083 BEER APPRECIATION

Units: 1.50 (1.50 units lecture)
27.00 hours lecture

Prerequisite: Students must be 21 years of age to enroll.

Explores the major types of beers available in the United States today. Introduces basic beer production, ingredients used, ideal glassware, and service standards. Because tasting beer is central to the activities of this course, potential students may need to take that into account if they are pregnant, have allergies, or similar concerns. A student's grade is not based on tasting beer. Units do not apply to associate or baccalaureate degrees.



BIOLOGICAL SCIENCES

Associate in Science for Transfer Degree: Biology

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an “associate degree for transfer”, a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AS-T in Biology. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

It is highly recommended that counselors at community colleges discuss other possible courses that are part of major preparation at a target CSU campus and encourage students to take some of these additional courses prior to transfer.

Degree Student Learning Outcome:

Students will be able to interpret, analyze, and evaluate biological knowledge using the scientific method.

Continued on the next page.

Program Requirements:
Units Required: 31 – 32

		Units
BIOSCI-106	Organismal & Environmental Biology	4.0
	OR	
BIOSCI-106H	Organismal & Environmental Biology – Honors	4.0
BIOSCI-107	Molecular and Cellular Biology	4.0
	OR	
BIOSCI-107H	Molecular and Cellular Biology – Honors	4.0
CHEM-201	General Chemistry I	5.0
	OR	
CHEM-201H	General Chemistry I – Honors	5.0
CHEM-202	General Chemistry II	5.0
MATH-211	Calculus I	5.0
	OR	
MATH-211X	Calculus I with Support	6.0

Plus eight units from one of the following two options:

PHYSIC-110	General Physics I	4.0
PHYSIC-111	General Physics II	4.0
	OR	
PHYSIC-210	Physics with Calculus for Life Science Majors I	4.0
PHYSIC-211	Physics with Calculus for Life Science Majors II	4.0
	OR	
PHYSIC-220	Physics for Scientists and Engineers: Mechanics of Solids and Fluids	4.0
PHYSIC-221	Physics for Scientists and Engineers: Electricity, Magnetism, and Waves	4.0
	Recommended electives:	
PHYSIC-222	Physics for Scientists and Engineers: Thermodynamics, Optics, Relativity & Modern Physics	4.0

Associate in Science Degree: Biological Sciences

Biological Sciences covers all aspects of the scientific study of life and emphasizes both the unity and diversity of living things. The structure, function and behavior of organisms are studied at the molecular, cellular, organismal and environmental levels. The biology program serves three areas: a broad background of studies for the biology major preparing for transfer to a four-year institution; support courses in human anatomy, human physiology and general microbiology, which may be used to satisfy prerequisites for nursing programs and other allied-health fields and courses in natural sciences to fulfill general education requirements.

Degree Student Learning Outcome:
Students will be able to interpret, analyze and evaluate biological knowledge using the scientific method.

Program Requirements:
Units Required: 32

		Units
	Eight units from the following:	
BIOSCI-106	Organismal & Environmental Biology	4.0
	OR	
BIOSCI-106H	Organismal & Environmental Biology – Honors	4.0
BIOSCI-107	Molecular and Cellular Biology	4.0
	OR	
BIOSCI-107H	Molecular and Cellular Biology – Honors	4.0
	Eight units from the following:	
BIOSCI-115	General Zoology	4.0
BIOSCI-116	General Botany	4.0
BIOSCI-201	Introduction to Human Anatomy	4.0
BIOSCI-202	Introduction to Human Physiology	4.0
BIOSCI-204	Human Anatomy and Physiology I	4.0
BIOSCI-205	Human Anatomy and Physiology II	4.0
BIOSCI-221	Introduction to Microbiology	5.0
BIOSCI-240	Molecular Genetics	4.0
	Sixteen units from the following:	
CHEM-201	General Chemistry I	5.0
	OR	
CHEM-201H	General Chemistry I – Honors	5.0
CHEM-202	General Chemistry II	5.0
CHEM-255	Organic Chemistry I	5.0
CHEM-256	Organic Chemistry II	5.0
MATH-211	Calculus I	5.0
	OR	
MATH-211X	Calculus I with Support	6.0
MATH-212	Calculus II	5.0
PHYSIC-110	General Physics I	4.0
PHYSIC-111	General Physics II	4.0
PHYSIC-210	Physics with Calculus for Life Science Majors I	4.0
PHYSIC-211	Physics with Calculus for Life Science Majors II	4.0
PHYSIC-220	Physics for Scientists and Engineers: Mechanics of Solids and Fluids	4.0
PHYSIC-221	Physics for Scientists and Engineers: Electricity, Magnetism, and Waves	4.0
	Recommended electives:	

BIOSCI-130	Environmental Biology	3.0
BIOSCI-132	Concepts in Evolution	3.0
BIOSCI-140	Principles of Human Genetics	3.0
BIOSCI-180	Biology of Cancer	3.0
WE-186ENVR	Work Experience Education Environmental Science	0.5 – 4.0

BIOSCI 100 GENERAL BIOLOGY

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab

Recommended Preparation: STAT-C1000, C1000E, or C1000H

Explores the nature of science, including cell structure and processes, energetics in living systems, heredity, development, evolution, diversity, and environmental relationships. Critical analysis combined with written and oral presentation of primary scientific literature will differentiate BIOSCI 100H from BIOSCI 100. UC credit limitations: No credit for BIOSCI-100 if taken after BIOSCI-106, 107, 201, 202, 204, 205, 215, 216, or 221. Field trips may be required.

BIOSCI 100H GENERAL BIOLOGY – HONORS

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab

Recommended Preparation: STAT-C1000, C1000E, or C1000H. ENGL-C1000 or ENGL-C1000H

Explores the nature of science, including cell structure and processes, energetics in living systems, heredity, development, evolution, diversity, and environmental relationships. Critical analysis combined with written and oral presentation of primary scientific literature will differentiate BIOSCI 100H from BIOSCI 100. UC credit limitations: No credit for BIOSCI-100 if taken after BIOSCI-106, 107, 201, 202, 204, 205, 215, 216, or 221. Field trips may be required.

BIOSCI 101 INTRODUCTORY BIOLOGY FOR HEALTH PROFESSIONS

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab

Recommended Preparation: STAT-C1000, C1000E, or C1000H

Investigates the science of biology for students interested in pursuing a career in health professions. This course will highlight vertebrate anatomy and physiology by understanding cellular organization and processes, the energetics of living systems, and the role of heredity, evolution, and diversity. UC Credit limitation: No credit for BIOSCI-101 if taken after BIOSCI-100, 100H, 106, 106H, 107, 107H, 115, 116, 201, 202, 204, 205, or 221.

BIOSCI 106 ORGANISMAL & ENVIRONMENTAL BIOLOGY

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab
C-ID BIOL 140

Prerequisite: Completion of Intermediate Algebra or higher math placement

Surveys the basic biology and diversity of unicellular and multicellular organisms. It emphasizes general biological principles including population biology and ecology, basic genetics, animal behavior, evolution, classification, structure, function and adaptations of organisms (including plants, fungi, protists, animals, and unicellular organisms) to their environments. This course is intended for Biological Sciences majors. Field trips may be required.

BIOSCI 106H ORGANISMAL & ENVIRONMENTAL BIOLOGY - HONORS

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU: 54.00 hours lecture, 54.00 hours lab
C-ID BIOL 140

Prerequisite: Completion of Intermediate Algebra or higher math placement

Surveys the basic biology and diversity of unicellular and multicellular organisms. It emphasizes general biological principles including population biology and ecology, basic genetics, animal behavior, evolution, classification, structure, function and adaptations of organisms (including plants, fungi, protists, animals, and unicellular organisms) to their environments. This course is intended for Biological Sciences majors. Field trips may be required. Critical analysis combined with written and oral presentation of primary scientific literature will differentiate BIOSCI-106H from BIOSCI-106.

BIOSCI 107 MOLECULAR AND CELLULAR BIOLOGY

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab
C-ID BIOL 190, C-ID 135S - BIOSCI-106 + BIOSCI-107

Prerequisite: CHEM-201 or CHEM-201H and completion of Intermediate Algebra or higher math placement

Introduces the principles of cellular form and function including: bioenergetics and metabolism, molecular structure and evolution, gene regulation, cellular anatomy and physiology, and the principles of biotechnology. UC credit limitation: No credit for BIOSCI-107 if taken after BIOSCI-201, BIOSCI-202, BIOSCI-204, BIOSCI-205 or BIOSCI-221.

Continued on the next page.

BIOSCI 107H MOLECULAR AND CELLULAR BIOLOGY HONORS

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab
C-ID BIOL 190, C-ID 135S - BIOSCI-106H + BIOSCI-107H

Prerequisite: CHEM-201 or CHEM-201H and completion of Intermediate Algebra or higher math placement

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

Introduces the principles of cellular form and function including: bioenergetics and metabolism, molecular structure and evolution, gene regulation, cellular anatomy and physiology, and the principles of biotechnology. Critical analysis combined with written and oral presentation of primary scientific literature will differentiate BIOSCI-107H from BIOSCI-107. UC credit limitation: No credit for BIOSCI-107H if taken after BIOSCI-201, BIOSCI-202, BIOSCI-204, BIOSCI-205 or BIOSCI-221.

BIOSCI 115 GENERAL ZOOLOGY

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab
C-ID BIOL 150

Prerequisite: Completion of Intermediate Algebra or higher math placement

Recommended Preparation: BIOSCI-107 or BIOSCI-107H

Surveys the animal kingdom with an emphasis on applying evolutionary and ecological principles to integrate mechanisms at the cellular, organismal and population levels. Field trips may be required.

BIOSCI 116 GENERAL BOTANY

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab
C-ID BIOL 155

Prerequisite: Completion of Intermediate Algebra or higher math placement

Recommended Preparation: BIOSCI-107 or BIOSCI-107H

Surveys the plant kingdom with an emphasis on the biology, ecology, evolution and the economic impact of plant communities. Field trips may be required and may be outside the assigned class times.

BIOSCI 119 MARINE BIOLOGY

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab

Examines the description, distribution and natural history of marine organisms. Field trips may be required and may extend outside the assigned class times. Same as OCEAN-119.

BIOSCI 130 ENVIRONMENTAL BIOLOGY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces basic ecological principles and current environmental issues such as pollution (air, water, and soil), climate change, deforestation, the impact of human population growth on available resources and natural capital, and possible solutions to these problems. Not designed for biological science majors.

BIOSCI 132 CONCEPTS IN EVOLUTION

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Explores the process of biological evolution and the fundamental mechanisms and concepts by which evolution works and how the theory is applied. Major topics covered include natural selection and adaptation, role of genetic variation in evolution, co-evolution and populations and the formation of new species.

BIOSCI 140 PRINCIPLES OF HUMAN GENETICS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces the principles of human genetics and function of DNA; genes, chromosomes and patterns of inheritance are explored. Not designed for biological science majors.

BIOSCI 180 BIOLOGY OF CANCER

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces the basic principles underlying the development and treatment of cancer including risk factors, tumor formation, cancer genes and cancer vaccines.

BIOSCI 201 INTRODUCTION TO HUMAN ANATOMY

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab
C-ID BIOL 110B

Prerequisite: BIOSCI-100 or BIOSCI-100H or BIOSCI-101 or BIOSCI-107 or BIOSCI-107H

Recommended Preparation: Eligibility for college level English (ENGL-C1000 or ENGL-C1000H). Eligibility for college level Math course with an Intermediate Algebra prerequisite (MATH-103, MATH-103X, STAT-C1000, STAT-C1000E, STAT-C1000H)

Presents the major structural characteristics of the human body, including cells, tissues, organs, and the following organ systems: skeletal, muscular, nervous, circulatory, respiratory, digestive, urinary, integumentary, sensory, lymphatic, reproductive and endocrine. UC credit limitations: BIOSCI-201, 202 and 204, 205 combined; maximum credit 8 units.

BIOSCI 202 INTRODUCTION TO HUMAN PHYSIOLOGY

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab
C-ID BIOL 120B

Prerequisite: BIOSCI-100 or BIOSCI-100H or BIOSCI-101 or BIOSCI-107 or BIOSCI-107H

Recommended Preparation: Eligibility for college level English (ENGL-C1000 or ENGL-C1000H). Eligibility for college level Math course with an Intermediate Algebra prerequisite (MATH-103, MATH-103X, STAT-C1000, STAT-C1000E, STAT-C1000H)

Examines the functioning of the human body including cells and membranes, nerve and muscle function, cardiovascular, respiratory, renal, and gastrointestinal physiology, metabolism, sensory organs, lymphatic and immune systems, endocrinology and reproduction. Students gain experience in the use of standard and computerized physiological equipment. UC credit limitations: BIOSCI-201, 202, and 204, 205 combined; maximum credit 8 units.

BIOSCI 204 HUMAN ANATOMY AND PHYSIOLOGY I

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab

Prerequisite: BIOSCI-100 or BIOSCI-100H or BIOSCI-101 or BIOSCI-107 or BIOSCI-107H

Recommended Preparation: Eligibility for college level English (ENGL-C1000 or ENGL-C1000H). Eligibility for college level Math course with an Intermediate Algebra prerequisite (MATH-103, MATH-103X, STAT-C1000, STAT-C1000E, STAT-C1000H)

Present the structure and function of the human body including the integumentary, skeletal, muscular and nervous systems. UC credit limitations: BIOSCI-201, 202 and 204, 205 combined; maximum credit 8 units.

BIOSCI 205 HUMAN ANATOMY AND PHYSIOLOGY II

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab
C-ID BIOL 115S

Prerequisite: BIOSCI-204

Continues the study of the structure and function of the human body including the endocrine, sensory, circulatory, immune, respiratory, digestive, urinary, and male and female reproductive systems. UC credit limitations: BIOSCI-201, 202 and 204, 205 combined; maximum credit 8 units.

BIOSCI 221 INTRODUCTION TO MICROBIOLOGY

Units: 5.00 (3.00 units lecture, 2.00 units lab)
UC:CSU 54.00 hours lecture, 108.00 hours lab

Prerequisite: BIOSCI-100 or BIOSCI-100H or BIOSCI-101 or BIOSCI-107 or BIOSCI-107H and CHEM-151 or CHEM-151H

Recommended Preparation: Eligibility for college level English (ENGL-C1000 or ENGL-C1000H). Eligibility for college level Math course with an Intermediate Algebra prerequisite (MATH-103, MATH-103X, STAT-C1000, STAT-C1000E, STAT-C1000H)

Introduces the biology of microorganisms; bacteria, viruses, protozoa, parasitic worms, algae, fungi, and their significance, with emphasis on clinical microbiology and infectious disease for the health sciences.

BIOSCI 240 MOLECULAR GENETICS

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab

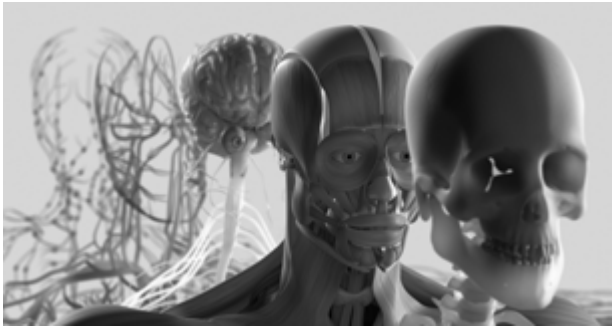
Prerequisite: BIOSCI-107 or BIOSCI-107H

Introduces the principles of both prokaryotic and eukaryotic genetics, while emphasizing the structure, function and regulation of genes along with patterns of inheritance.

BIOSCI 330 ENVIRONMENTAL BIOLOGY IN A CHANGING WORLD

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines the biological basis of environmental issues, such as climate change, pollution, and biodiversity loss. It explores the ways in which these problems impact natural capital, or the resources that nature provides us, such as clean air and water, fertile soil, and a stable climate. On and Off-campus field trips and grounds work may be required. Upper division course, registration is limited to students with Junior Standing in the Bachelor of Science in Building Performance Degree program.



BUILDING PERFORMANCE

(See Architectural Drafting)

BUSINESS

The Business Department offers a comprehensive program for transfer and non-transfer students. The first two years of coursework in preparation for a four-year degree in Accounting and/or Business Administration may be completed, or students may earn associate degrees and/or certificates while exploring areas of personal interest or job enrichment. The department offers a variety of courses in Accounting, Bookkeeping, Business Administration, International Business, Business Mathematics, Management, Finance, Investing, Marketing, Salesmanship, Retail Management, Electronic Commerce, Advertising, Ethics, Law, Conflict Resolution and Managing Diversity in the Workplace. Associate degrees and certificates are designed to allow students to specialize in a particular area, and are especially useful for persons seeking a first job, or looking to advance in a current career.

Associate in Science for Transfer Degree: Business Administration 2.0

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AS-T in Business Administration 2.0. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to analyze financial, economic, legal and management issues related to a business entity as required for upper division work in their business-related major.

Program Requirements:
Units required: 31-34

		Units
BUS-100	Introduction to Business	3.0
BUS-201	Principles of Accounting I	5.0
BUS-202	Principles of Accounting II	5.0
BUS-211	Business Law	3.0
ECON-C2001	Principles of Macroeconomics	3.0
	OR	
ECON-C2001H	Principles of Macroeconomics – Honors	3.0
ECON-C2002	Principles of Microeconomics	3.0
	OR	
ECON-C2002H	Principles of Microeconomics – Honors	3.0
	Plus one course from the following:	
ECON-291	Statistical Methods on Business and Economics	4.0
STAT-C1000	Introduction to Statistics	5.0
STAT-C1000E	Introduction to Statistics	5.0
STAT-C1000H	Introduction to Statistics – Honors	4.0
PSYC-104	Statistics for the Behavioral Science	4.0
	Plus one course form the following:	
MATH-211	Calculus I	5.0
	OR	
MATH-211X	Calculus I with Support	6.0
MATH-240	Calculus for Business and Social Science	5.0
	OR	
MATH-240X	Calculus for Business and Social Science I with Support	6.0

Associate in Science Degree and Certificate of Achievement: Accounting

Degree and Certificate Student Learning Outcome:

Students will be able to analyze financial, economic, and management issues and formulate strategies for the growth and development of a business entity.

Program Requirements:
Units Required: 23-24

		Units
BUS-201	Principles of Accounting I	5.0
BUS-202	Principles of Accounting II	5.0
BUS-211	Business Law	3.0

ECON-C2001	Principles of Macroeconomics	3.0
	OR	
ECON-C2001H	Principles of Macroeconomics – Honors	3.0
ECON-C2002	Principles of Microeconomics	3.0
	OR	
ECON-C2002H	Principles of Microeconomics – Honors	3.0
ECON-291	Statistical Methods in Business and Economics	4.0
	OR	
STAT-C1000	Introduction to Statistics	4.0
	OR	
STAT-C1000E	Introduction to Statistics	5.0
	OR	
STAT-C1000H	Introduction to Statistics – Honors	4.0

Recommended electives:

BUS-203	Cost Accounting	3.0
BUS-204	Intermediate Accounting	3.0
CAWT-145	QuickBooks Pro	3.0

Associate in Science Degree and Certificate of Achievement: Accounting Technician

Degree and Certificate Student Learning Outcome:
Students will be able to analyze key issues relating to accounting principles and implement accounting procedures to organize financial data based upon generally accepted accounting principles.

Program Requirements:
Units Required: 26

		Units
BUS-100	Introduction to Business	3.0
BUS-101	Bookkeeping and Accounting	5.0
BUS-157	Entrepreneurship Financial Management	3.0
BUS-203	Cost Accounting	3.0
BUS-204	Intermediate Accounting	3.0
BUS-211	Business Law	3.0
CAWT-115	Business English	3.0
CAWT-145	Quickbooks Pro	3.0

Associate in Science Degree and Certificate of Achievement: Human Resources Management

Degree and Certificate Student Learning Outcome:
Students will be able to:

- Evaluate the sources of employee conflict in a diverse workforce
- Create a framework within which to resolve potential conflicts between business practice and professional or personal ethics.

Program Requirements:
Units Required: 21

		Units
BUS-100	Introduction to Business	3.0
BUS-110	Principles of Management	3.0
BUS-111	Human Relations in the Workplace	3.0
BUS-112	Human Resources Management	3.0
BUS-126	Understanding Diversity in the Workplace	3.0
BUS-160	Business Ethics	3.0
BUS-211	Business Law	3.0

Recommended Electives:

CAWT-116	Business Communications	3.0

Associate in Science Degree and Certificate of Achievement: Marketing

Degree and Certificate Student Learning Outcome:
Students will be able to analyze key issues relating to marketing principles, design marketing strategies, and integrate those strategies in business operations.

Program Requirements:
Units Required: 21

		Units
BUS-100	Introduction to Business	3.0
BUS-110	Principles of Management	3.0
BUS-140	Principles of Marketing	3.0
BUS-141	Principles of Advertising	3.0
BUS-142	Principles of Selling	3.0
BUS-190	Principles of Electronic Commerce	3.0
	OR	
BUS-192	E-Business Strategy	3.0
BUS-211	Business Law	3.0

Associate in Science Degree and Certificate of Achievement: Entrepreneurship

Degree and Certificate Student Learning Outcome:
Students will be able to demonstrate the management skills unique to the successful operation of a small business enterprise, including financial, marketing and management strategies.

Program Requirements:
Units Required: 20

		Units
BUS-100	Introduction to Business	3.0
BUS-117A	Introduction to Entrepreneurship	3.0
BUS-117B	Developing a Business Plan for Entrepreneurs	3.0

Plus a minimum of eleven units from the following:

BUS-101	Bookkeeping and Accounting	5.0
BUS-110	Principles of Management	3.0

Continued on the next page.

BUS-126	Understanding Diversity in the Workplace	3.0
BUS-140	Principles of Marketing	3.0

Certificate of Achievement: Retail Management

Retail Management is an expanding career path supported by many industry sectors. Strong retail managers are essential to business success in electronics, clothing, food, entertainment, home furnishings, children's supplies, publishing, cosmetics, educational materials, gift, athletic equipment, pet supplies, and just about every other imaginable consumer product and service. The retail industry is at the heart of many local economies. Effective management is the key to long-term economic security throughout the state. This program, designed in collaboration with industry leaders, is intended to provide the student with many of the competencies required for success at the management level within the vast retail industry. This program encompasses the business essentials such as accounting and marketing, and also emphasizes management and communication skills required for career success.

Certificate Student Learning Outcome:
Students will be able to demonstrate the skills necessary to successfully manage a retail business enterprise, including human resources, marketing, and bookkeeping.

Program Requirements:
Units Required: 24

		Units
BUS-110	Principles of Management	3.0
BUS-111	Human Relations in the Workplace	3.0
BUS-112	Human Resource Management	3.0
BUS-113	Retail Management	3.0
BUS-140	Principles of Marketing	3.0
BUS-157	Entrepreneurship Financial Management	3.0
CAWT-116	Business Communications	3.0
CAWT-140	Survey of Microsoft Office Programs	3.0

Certificate of Specialization: Entrepreneurship

Certificate Student Learning Outcomes:

Students will be able to:

- Learn techniques for business plan development and creation.
- Utilize skills and resources available to assist entrepreneurs in developing and launching a business including ethics, legal business structures, entrepreneurial marketing, sources of funding, networking, and pitching.

Program Requirements:
Units Required: 6

		Units:
BUS-117A	Introduction to Entrepreneurship	3.0
BUS-117B	Developing a Business Plan for Entrepreneurs	3.0

Certificate of Specialization: Finance

Certificate Student Learning Outcome:
Students will be able to analyze key issues relating to personal finance, analyze the advantages and disadvantages of various alternatives to address these issues, determine the appropriate response, and devise specific plans to implement the response in an integrated manner.

Program Requirements:
Units Required: 12

		Units
BUS-100	Introduction to Business	3.0
BUS-154	Personal Finance	3.0
BUS-156	Introduction to Investments	3.0
BUS-157	Entrepreneurial Finance	3.0

Certificate of Specialization: E-Commerce – Business

In recent years, various changes in the business environment have occurred, including the emergence of new information technologies. Consequently, many businesses need to realign with the new Internet economy in order to compete effectively in our changing world. In addition, there are opportunities for e-business startups with sound business foundations and competitive strategies. This certificate of completion in E-Commerce Business attempts to provide students with the skill-building techniques and knowledge that will empower them to achieve career goals in the current e-business environment.

Certificate Student Learning Outcome:
Students will be able to analyze e-commerce principles and design an e-business plan to promote a competitive advantage in the current e-commerce environment.

Program Requirements:
Units Required: 15

		Units
BUS-190	Principles of Electronic Commerce	3.0
BUS-192	E-Business Strategy	3.0
CAWT-170	Website Development I	3.0
BUS-100	Introduction to Business	3.0
	OR	
BUS-110	Principles of Management	3.0
	OR	
BUS-211	Business Law	3.0
BUS-140	Principles of Marketing	3.0
	OR	
BUS-141	Principles of Advertising	3.0

BUS 100 INTRODUCTION TO BUSINESS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID BUS 110

Introduces the field of business administration, primarily in the United States with attention to globalization. Topics include the primary areas of business including: economic systems, strategic management, leadership, marketing, organizational structure and design, entrepreneurship, organized labor practices, organizational communication, technology, management information systems, legal, accounting, and finance practices, stock and securities markets, ethics, social responsibility, sustainability, and globalization. Demonstrates how such influences as culture, society, human behavior, and international, political, legal, economic, and financial institutions interact to affect a business organization's policies and practices, as well as the organization's ability to achieve its goals.

BUS 101 BOOKKEEPING AND ACCOUNTING

Units: 5.00 (5.00 units lecture)
CSU 90.00 hours lecture
C-ID BSOT 127X

Introduces the theory and application of double entry bookkeeping for non-transfer business majors. Examines the accounting cycle for both service and merchandising sole-proprietorship firms, including the use of ledgers, worksheets, and special purpose journals.

BUS 110 PRINCIPLES OF MANAGEMENT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines the fundamental functions of modern management in a changing world with an emphasis on planning, leading, organizing, and control. Substantive areas include leadership in management, motivation, communication, cultural diversity, team decision-making, management by objectives, organizational environment, sustainability, planning and strategic management, control process, organizational structure, and managing organizational change.

BUS 111 HUMAN RELATIONS IN THE WORKPLACE

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces major themes of effective human relations including communication, self-awareness, self-acceptance, motivation, trust, self-disclosure, and conflict resolution. Gain knowledge and skills to successfully address the wide range of people-related challenges in the workplace and work more effectively with individuals and teams.

BUS 112 HUMAN RESOURCE MANAGEMENT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces the management of human resources and an understanding of the impact and accountability to the organization in terms of human resource activities. Topics include global human resource strategies, social and organizational realities, legal implications affecting people at work, union/non-union practices, comparable work, employee compensation and benefits and employee rights.

BUS 113 RETAIL MANAGEMENT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces principles and practices used in the management of retail stores. Topics include site selection, layout, organization, staffing, positioning, customer service, the critical buying function and promotional techniques.

BUS 117A INTRODUCTION TO ENTREPRENEURSHIP

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Develops an understanding of the tasks faced by individuals engaged in ethical and legal entrepreneurial activities. Identifies the methods for developing a business idea, the process of starting a business, how to acquire resources, and how to analyze key parts of a business plan.

BUS 117B DEVELOPING A BUSINESS PLAN FOR ENTREPRENEURS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Presents techniques for business plan development and creation. Utilizes skills and resources available to assist entrepreneurs in developing and launching a business including; ethics, legal business structures, entrepreneurial marketing, sources of funding, networking, and pitching.

BUS 126 UNDERSTANDING DIVERSITY IN THE WORKPLACE

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces the study, methodologies and theories of diversity in organizations through historical, social, legal, and culture perspectives. Examines Focuses on the effects of increasing diversity in the workplace, including the benefits and challenges to management and staff presented by diversity of gender, race, ethnicity, national origin, religion, sexual orientation, and other differences. Employment experiences of various groups are examined to gain a better understanding of challenges and impacts.

BUS 140 PRINCIPLES OF MARKETING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Focuses on the fundamental concepts of modern marketing in a changing world. Substantive areas include: creating customer value, buying behaviors, market research, market strategy, target market analysis, global marketing, electronic marketing, and sales techniques, with particular emphasis on the marketing mix, including product, pricing, promotion, and distribution decisions.

BUS 141 PRINCIPLES OF ADVERTISING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Focuses on fundamental concepts of modern advertising in the current business environment while using specialized techniques to create and promote an advertising campaign. Topics include the role of advertising, its relation to the marketing mix, psychological and socio-cultural influences on consumer buying behavior, advertising research and strategy, target market analysis, the global marketing environment, electronic advertising, media selection, ethics, creative advertising message design and integrated marketing. Emphasizes planning an advertising campaign and communicating ideas using advertising techniques.

BUS 142 PRINCIPLES OF SELLING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines concepts of selling in the current business environment, including electronic selling, communication styles, sales servicing, ethics, and sales-force management. Emphasizes developing effective selling strategies and confidence building when making sales decisions.

BUS 154 PERSONAL FINANCE

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces the concepts, tools and applications of personal financial planning, including developing and prioritizing goals, managing money and credit, identifying investment alternatives, as well as examining retirement planning, housing decisions, tax planning, risk management/insurance, estate planning and the institutional sources and regulation of financial services and products.

BUS 156 INTRODUCTION TO INVESTMENTS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces the principles of investing and portfolio management as primarily related to the stock market, including the various types of financial assets an investor must choose from, as well as related institutional settings and valuations.

BUS 157 ENTREPRENEURSHIP FINANCIAL MANAGEMENT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces the fundamentals of finance that apply to current or prospective entrepreneurs, including time value of money, cost of capital, working capital management, risk and return, financial performance and the interpretation of financial statements.

BUS 160 BUSINESS ETHICS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Presents different schools of ethical thought applicable in the business environment including ethical issues and methodologies used for appropriate conduct. Current cases and fact scenarios are presented along with historical examples to demonstrate their effect on contemporary ethical dilemmas.

BUS 190 PRINCIPLES OF ELECTRONIC COMMERCE

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces the theoretical and practical issues related to conducting business via the Internet. Topics include: evolving e-business models, web-based technologies, value chains, electronic marketing, payment systems, security, ethics, legal, international, and cross-cultural issues. Familiarity with navigating the Internet is assumed.

BUS 192 E-BUSINESS STRATEGY

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Focuses on the fundamental concepts of strategic planning for conducting business via the Internet. Substantive areas include: case analysis of business issues and strategies in the Internet economy, and key elements needed to develop a strategic e-business plan for competitive advantage. Familiarity with the Internet is assumed.

BUS 201 PRINCIPLES OF ACCOUNTING I

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture
C-ID ACCT 110

Recommended Preparation: Eligibility for College Composition (ENGL-C1000 or ENGL-C1000H). and Elementary Algebra or higher math placement

Presents the study of accounting as an information system, examining why it is important and how it is used by managers, investors, creditors, and others to make decisions. Covers the fundamental principles, theory and applications to record business transactions through the accounting cycle, including the application of generally accepted accounting principles, the financial statements, and statement analysis. Includes issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics. Designed for transfer majors in business disciplines.

BUS 202 PRINCIPLES OF ACCOUNTING II

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture
C-ID ACCT 120
Prerequisite: BUS-201

Presents the study of how managers use accounting information in decision-making, planning, directing operations, and controlling. Focuses on cost terms and concepts, cost behavior, cost structure, cost-volume-profit analysis and budget analysis. Includes issues relating to cost systems, cost control, profit planning, and performance analysis in manufacturing and service environments. Designed for transfer majors in business disciplines.

BUS 203 COST ACCOUNTING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
Prerequisite: BUS-202

Focuses on both managerial (factory and production) and cost accounting with emphasis on cost and non-cost systems. Covers types of cost, elements of costs, cost behavior, variances for labor, materials overhead, indirect expenses, allocation of cost to by-products, standard cost and budgets.

BUS 204 INTERMEDIATE ACCOUNTING

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
Prerequisite: BUS-202

Provides complete analytical application and an advanced review of topics discussed in Accounting and I & II. Topics include assets (current, fixed, and intangible), investments, financial statements, income taxes, liabilities, stockholders equity, revenue recognition, operating and capital leases, asset acquisition and leases.

BUS 211 BUSINESS LAW

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID BUS 125

Introduces fundamental legal principles pertaining to business transactions and to the legal process. Topics include sources of law and ethics, contract law, tort law, agency law, criminal law, business organizational law, as well as judicial and administrative processes.



CHEMISTRY

Chemistry is the study of matter and its changes. Chemistry focuses on understanding matter and energy on a molecular level. The chemistry courses are designed to meet general education and major transfer requirements. Examples of career options include research scientist, teacher, pharmacist, and medical doctor. Some of these career options require a bachelor's degree and others require a graduate degree. An associate degree is not available in Chemistry.

Associate in Science: University of California Transfer Pathway (UCTP) Chemistry

The Associate in Science Degree for UC transfer in Chemistry is intended to prepare students to transfer to a UC campus and complete a bachelor's degree in a similar major. The program introduces students to general and organic chemistry in addition to math and physics coursework, preparing students for upper-division coursework and other chemistry-related fields of study. The degree aligns with the UC Transfer Pathway (UCTP) for chemistry. Transfer Agreement Guarantee (TAG) students completing this degree are guaranteed admission to the UC system, but not necessarily to a particular UC campus or major of their choice. To complete an Associate in Science degree for UC Transfer in Chemistry, students must complete the following:

1. 51 semester units in Chemistry major preparation and Cal-GETC courses, as prescribed on the UCTP Template: 3 units from Area 1A – English Composition, 3 units from Area 1B – Critical Thinking and Composition, 3 units from Area 3A or 3B – Arts and Humanities, 3 units from Area 4 – Social and Behavioral Sciences, 4 units from Area 5B – Biological Sciences, and 3 units from Area 6 – Ethnics Studies.
2. Meet the specified requirements as stated in the Transfer Agreement Guarantee (TAG) for the available school.
3. A cumulative minimum grade point average of 3.5 in the major. (Students who earn less than 3.5 GPA (UC transferable) still meet the associate degree graduation requirement but will not receive guaranteed admission into a UC).
4. A "C" grade or better, or "P," in all courses required for the major. It is highly recommended that students take the course for a letter grade (A, B, or C).
5. A minimum of 12 units at College of the Canyons. The degree allows for the deferment of one course in Area 1C (Oral Communications) one course in Area 3A or 3B (Arts and Humanities, area not taken as part of the UCTP degree) and one course in Area 4 (Social

Continued on the next page.

Science) of the Cal-GETC. These are to be completed at the UC, once transferred. Note: this degree is not aligned with the CSU transfer requirements. CSU will require students to complete Cal-GETC Area 1C prior to transfer.

Degree Student Learning Outcome:
Students will be able to demonstrate knowledge of the field of chemistry including problem solving, critical thinking, scientific inquiry, and lab skills as well as the ability to effectively communicate chemical knowledge in preparation for upper division work.

Program Requirements:

Units Required: 51

		Units:
CHEM-201	General Chemistry I	5.0
	OR	
CHEM-201H	General Chemistry I - Honors	5.0
CHEM-202	General Chemistry II	5.0
CHEM-255	Organic Chemistry I	5.0
CHEM-256	Organic Chemistry II	5.0
PHYSIC-220	Physics for Scientists and Engineers: Mechanics of Solids and Fluids	4.0
PHYSIC-221	Physics for Scientists and Engineers: Electricity, Magnetism, and Waves	4.0
PHYSIC-222	Physics for Scientists & Engineers: Thermodynamics, Optics, Relativity & Modern Physics	4.0
MATH-211	Calculus I	5.0
MATH-212	Calculus II	5.0
MATH-213	Calculus III	5.0
MATH-215	Differential Equations	4.0

CHEM 100 CHEMISTRY AND SOCIETY

Units: 3.00 (3.00 units lecture)
UC:CSU: 54.00 hours lecture
C-ID CHEM 100

Prerequisite: Eligibility for transfer level mathematics

Introduces students to basic concepts of chemistry and requires analyses of the socio-cultural contexts within which chemistry plays a central role in every day life. The course is designed to provide a general educational exposure to the physical sciences, specifically chemistry, and is not recommended for science majors. Introduction to chemistry course for non-science majors.

CHEM 151 PREPARATORY GENERAL CHEMISTRY

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab
C-ID CHEM 101

Prerequisite: Completion of Elementary Algebra or higher math placement

A preparatory course for Chemistry 201. Provides basic foundation in problem solving, atomic theory, stoichiometry, nomenclature, states of matter and solution chemistry. UC credit limitations: CHEM-100, CHEM-151 and CHEM-151H combined: maximum credit, 1 course.

CHEM 151H PREPARATORY GENERAL CHEMISTRY - HONORS

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab
C-ID CHEM 101

Prerequisite: Completion of Elementary Algebra or higher math placement

A preparatory course for Chemistry 201. Provides basic foundation in problem solving, atomic theory, stoichiometry, nomenclature, states of matter and solution chemistry. Honors work challenges students to be more analytical and creative through expanded assignments such as critical analyses of primary scientific literature, real-world applications and enrichment opportunities which differentiate this course from Chem 151. UC credit limitations: CHEM-100, CHEM-151 and CHEM-151H combined: maximum credit, 1 course

CHEM 201 GENERAL CHEMISTRY I

Units: 5.00 (4.00 units lecture, 1.00 unit lab)
UC:CSU 72.00 hours lecture, 54.00 hours lab
C-ID CHEM 110

Prerequisite: Completion of Intermediate Algebra or higher math placement and completion of CHEM-151 or CHEM-151H, or higher chemistry placement

Provides a foundation in the basic principles of the molecular nature of matter and its change, including reaction chemistry, atomic and bonding theories of matter, the properties of matter (solids, liquids, gases, solutions) and their relationship to energy. Introduces gravimetric, volumetric, and spectroscopic analysis techniques in the laboratory portion. Required of all majors in chemistry and most other fields of science or technology. UC credit limitation: maximum credit, 5 units.

CHEM 201H GENERAL CHEMISTRY I – HONORS

Units: 5.00 (4.00 units lecture, 1.00 unit lab)
UC:CSU 72.00 hours lecture, 54.00 hours lab
C-ID CHEM 110

Prerequisite: Completion of Intermediate Algebra or higher math placement and completion of CHEM-151 or CHEM-151H, or higher chemistry placement

Provides a foundation in the basic principles of the molecular nature of matter and its change, including reaction chemistry, atomic and bonding theories of matter, the properties of matter (solids, liquids, gases, solutions) and their relationship to energy. Introduces gravimetric, volumetric, and spectroscopic analysis techniques in the laboratory portion. Required of all majors in chemistry and most other fields of science or technology. Honors work challenges students to be more analytical and creative through expanded assignments such as critical analyses of primary scientific literature, and enrichment opportunities which differentiate this course from CHEM-201. UC credit limitation: maximum credit, 5 units.

CHEM 202 GENERAL CHEMISTRY II

Units: 5.00 (3.00 units lecture, 2.00 units lab)
UC:CSU 54.00 hours lecture, 108.00 hours lab
C-ID CHEM 120S

Prerequisite: CHEM-201 or CHEM-201H

Builds upon the foundation of principles of chemistry presented in Chemistry 201. Topics are chemical kinetics, ionic equilibria (solutions of acids and bases, buffers, solubility of insoluble salts, and solubility product), nuclear chemistry, thermodynamics (entropy and free energy), coordination compounds, advanced qualitative analysis, spectroscopy, and an introduction to organic chemistry.

CHEM 255 ORGANIC CHEMISTRY I

Units: 5.00 (3.00 units lecture, 2.00 units lab)
UC:CSU 54.00 hours lecture, 108.00 hours lab
C-ID CHEM 150

Prerequisite: CHEM-202

First semester of a two-semester sequence in organic chemistry for natural science majors focusing on molecular structure, physical properties, and application to chemical reactivity. Specifically, emphasis is placed upon reaction mechanisms, energetics, stereochemistry, retrosynthesis, and spectroscopy. Laboratory experiments focus on purification and analysis techniques such as recrystallization, chromatography, distillations, and liquid-liquid extractions. These techniques are applied to the synthesis and hands-on analysis of organic compounds using modern instrumentation.

CHEM 256 ORGANIC CHEMISTRY II

Units: 5.00 (3.00 units lecture, 2.00 units lab)
UC:CSU 54.00 hours lecture, 108.00 hours lab
C-ID CHEM 160S

Prerequisite: CHEM-255

Second semester of a two-semester sequence in organic chemistry for natural science majors, focused on applying foundational reaction mechanisms to aromatic, carbonyl, and amine compounds. A retrosynthetic analysis approach to multistep synthesis is employed throughout the course to review and build upon previously studied classes of organic compounds. The end of the course integrates biochemistry principles to the study of biomolecules. Laboratory experiments focus on single and multistep syntheses of organic compounds while implementing prior-learned purification and hands-on analysis techniques using modern instrumentation.

CHINESE

(See Modern Languages)

CINEMA

Courses in Cinema provide a broad survey of the history, theory, techniques and development of modern pictures. The history of film as an aesthetic form and its major artists, works and styles are emphasized. An associate degree is not available in cinema.

Certificate of Specialization: Film Studies

The Film Studies program is designed to provide students with foundational knowledge and skills in the analysis of motion pictures and prepare them for a variety of potential careers including film critic, filmmaker, or academic. The curriculum offers a comprehensive study of various historical, political, cultural, and aesthetic perspectives on cinema. Upon completion of the program, students will have a broad-based understanding of the history and evolution of motion pictures, both in regard to their artistic and technological achievements. Additionally, students will develop their written and oral communication skills as they express their beliefs and opinions on a variety of subjects related to motion pictures and as they make connections between cinema's past, present, and future. These communication skills may be particularly valuable to students looking to transfer to a four-year institution to pursue a B.A. in the arts.

Certificate Student Learning Outcome:
Students will be able to apply critical-thinking skills to analyze and interpret motion pictures from historical, cultural, political, and aesthetic perspectives.

Students will be able to appraise the contributions of various filmmakers and technicians to the evolution of the art form and technologies of cinema

Program Requirements:

Units Required: 15

		Units
CINEMA-120	Film Aesthetics	3.0
CINEMA-122	History of Cinema	3.0
CINEMA-123	America Cinema: Crossing Cultures	3.0
CINEMA-127	Great Filmmakers	3.0
CINEMA-129	Introduction to Film Genres	3.0

Recommended Electives:

CINEMA-121	History of American Cinema	3.0
CINEMA-131	History of International Cinema	3.0

Continued on the next page.

CINEMA 120 FILM AESTHETICS
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys the motion picture both as a medium of mass communication and as a developing art form. Analyzes representative feature films as to genre, technique, aesthetics, and sociological impact.

CINEMA 121 HISTORY OF AMERICAN CINEMA
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys American motion picture masterpieces, including the ideas and values of films as reflected and emphasized through artistic techniques.

CINEMA 122 HISTORY OF CINEMA
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys motion picture culturally significant works from their inception to the present. A study of these representative films will reveal ideas and values that are reflected and emphasized through artistic techniques.

CINEMA 123 AMERICAN CINEMA: CROSSING CULTURES
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys American motion pictures that have been made by filmmakers representing a variety of American ethnic groups. Students will analyze Hollywood's treatment of ethnic cultures throughout film history.

CINEMA 127 GREAT FILMMAKERS
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Evaluates a limited number of filmmaker during the semester and examines their work in artistic, social, historical, and auteuristic terms.

CINEMA 129 INTRODUCTION TO FILM GENRES
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Surveys the development, artistic, social, and entertainment ingredients of basic film genres. Emphasizes such genres as science fiction, western, gangster film, crime and detective ("film noir"), musical, comedy, or horror films. The genre focus may vary with each offering.

CINEMA 131 HISTORY OF INTERNATIONAL CINEMA
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys culturally significant motion pictures from countries other than the United States from their inception to the present, including the ideas and values of the examined films as reflected and emphasized through artistic techniques. The course also focuses on diversity and inclusion in regard to films and filmmakers from throughout the world.

CIVIC ENGAGEMENT AND COMMUNITY-BASED LEARNING

CCE 200 INTRODUCTION TO CIVIC AND COMMUNITY ENGAGEMENT
Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Examines the foundation of civic and community engagement, as well as reviews the importance of fostering social responsibility within communities to enhance well-being of person, place, and thing in order to sustain a democratic society.

CCE 201 INTRODUCTION TO COMMUNITY-BASED LEARNING
Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Integrates academic knowledge and project design to examine real-life social issues while fostering social responsibility and community engagement.



CLINICAL LABORATORY SCIENTIST

Certificate of Achievement: College of the Canyons Clinical Laboratory Scientist Lecture Program

Clinical laboratory scientists are integral members of the allied health care team that perform diagnostic testing on blood, body fluids, and other biological specimens to provide healthcare providers (physicians, nurses, pharmacists, and other members of the healthcare team) information that is utilized in making critical decisions for treatment and monitoring therapeutic interventions. The Clinical Laboratory Science training program will offer a didactic and clinical practicum curriculum in the clinical laboratory sciences that is approved by the California Department of Public Health and Laboratory Field Services (CDPH/LFS). Eligible applicants will have a CDPH/LFS issued Medical Laboratory Technician (MLT) license and a Clinical Laboratory Science (CLS) Trainee license. Selected eligible applicants will participate in clinical placement interview process at the affiliate clinical training sites.

Enrollment in all CLS program courses requires clinical placement at an affiliated clinical site. To qualify for a CLS license in the state of California, completers of the certificate program must also submit documentation of the required practicum hours in a CDPH/LFS approved training site.

Certificate Student Learning Outcome:
Students will be able to evaluate the body of knowledge for technical competencies required of entry-level clinical laboratory scientists (CLS).

Program Requirements:

Units Required: 36.5

		Units
CLS-200	Phlebotomy and Specimen Management	1.5
CLS-201	Clinical Chemistry	4.0
CLS-202	Clinical Hematology, Hemostasis, and Body Fluids	3.0
CLS-203	Clinical Microbiology	3.0
CLS-204	Clinical Parasitology	2.0
CLS-205	Clinical Immunology and Serology	3.0
CLS-206	Clinical Immunohematology and Pre-Transfusion Services	3.0
CLS-207	Clinical Urinalysis	2.0
CLS-208	Laboratory Management and Education	3.0
CLS-211	CLS Clinical Rotations I	6.0
CLS-212	CLS Clinical Rotations II	3.0
CLS-213	CLS Clinical Rotations III	3.0



CLS 200 PHLEBOTOMY AND SPECIMEN MANAGEMENT

Units: 1.50 (1.50 units lecture)

CSU 27.00 hours lecture

Explores topics in Phlebotomy and specimen management in a lecture format, including relevant anatomy, physiology, and professionalism with patients. Emphasis will be placed on describing standard operating procedures to collect blood samples for medical laboratory analysis, including technique, equipment, and proper patient preparation. An overview of specimen management for the whole program will include topics such as specimen processing, prioritization, and client services. Students must have a non-expired California Department of Public Health/ Laboratory Field Services granted Clinical Laboratory Scientist Trainee License, and a non-expired California Department of Public Health/Laboratory Field Services issued Medical Laboratory Technician (MLT) license.

CLS 201 CLINICAL CHEMISTRY

Units: 4.00 (4.00 units lecture)

CSU 72.00 hours lecture

Explores advanced topics in clinical chemistry in a lecture format. Emphasis will be placed on the pre-analytical considerations, laboratory information systems, principles and methodologies of clinical chemistry analytes, Quality Control (QC) use and interpretation, clinical significance of reference ranges and abnormal results, description of routine and special chemistry testing, therapeutic drug monitoring procedures, tumor markers, and molecular diagnostics. Students must have a non-expired California Department of Public Health/ Laboratory Field Services granted Clinical Laboratory Scientist Trainee License, and a non-expired California Department of Public Health/Laboratory Field Services issued Medical Laboratory Technician (MLT) license.

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CLS 202 CLINICAL HEMATOLOGY, HEMOSTASIS, AND BODY FLUIDS

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Explores advanced topics in clinical hematology, hemostasis, and body fluids in a lecture format. Emphasis will be placed on the functions of the laboratory department, principles and methodologies of automated and manual testing formats, normal and abnormal blood cell production, normal and abnormal body fluids, normal and abnormal hemostatic processes, Quality Control purpose and interpretation, flow cytometry principles, and the correlations of hematological and hemostasis lab results with clinically significant disorders. Students must have a non-expired California Department of Public Health/Laboratory Field Services granted Clinical Laboratory Scientist Trainee License, and a non-expired California Department of Public Health/Laboratory Field Services issued Medical Laboratory Technician (MLT) license.

CLS 203 CLINICAL MICROBIOLOGY

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Explores advanced topics in clinical microbiology in a lecture format. Emphasis will be placed on the functions of the clinical microbiology department, principles and methodologies of automated and manual tests, identification of normal bacterial flora and pathogens using conventional microbiology procedures, quality control purpose and interpretation, principles and interpretation of antimicrobial susceptibility testing, identification of clinically significant viruses and fungal organisms, and pre-analytical considerations in the preparation of blood and non-blood specimens for testing. Students must have a non-expired California Department of Public Health/Laboratory Field Services granted Clinical Laboratory Scientist Trainee License, and a non-expired California Department of Public Health/Laboratory Field Services issued Medical Laboratory Technician (MLT) license.

CLS 204 CLINICAL PARASITOLOGY

Units: 2.00 (2.00 units lecture)

CSU 36.00 hours lecture

Explores advanced topics in clinical parasitology in a lecture format to prepare students for entry-level Clinical Laboratory Scientist skills and competencies. Emphasis will be placed on the function of clinical parasitology, automated and manual testing formats, quality control function and interpretation to validate patient results, diagnostic characteristics of clinically significant parasites such as nematodes, cestodes, trematodes, and protozoa, and correlations of parasitic infections with various pathologies and disorders. Students must have a non-expired California Department of Public Health/ Laboratory Field Services granted Clinical Laboratory Scientist Trainee License, and a non-expired California Department of Public Health/Laboratory Field Services issued Medical Laboratory Technician (MLT) license.

CLS 205 CLINICAL IMMUNOLOGY AND SEROLOGY

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Explores advanced topics in clinical immunology and serology, specifically those that include performance of high complexity levels of testing in the department in a lecture format. Emphasis will be placed on the function of the clinical immunology and serology department, antibodies and antigens used in serological testing, adaptive and innate immunity, complement system, basic principles and procedures of serological testing, quality control function and interpretation, clinical significance of immune disorders, diagnostic biomarkers, and serological and molecular detection of infectious diseases. Students must have a non-expired California Department of Public Health/Laboratory Field Services granted Clinical Laboratory Scientist Trainee License, and a non-expired California Department of Public Health/Laboratory Field Services issued Medical Laboratory Technician (MLT) license.

CLS 206 CLINICAL IMMUNOHEMATOLOGY AND PRE-TRANSFUSION SERVICES

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Explores advanced topics in immunohematology in a lecture format, specifically the pre-transfusion procedures, that include performance of high complexity levels of testing. Emphasis will be placed on the function of the clinical immunohematology and pre-transfusion services, clinically significant blood groups in serological testing, transfusion practice, transfusion-associated disorders, leukocyte antigen and relationship testing, quality and compliance issues. Students must have a non-expired California Department of Public Health/ Laboratory Field Services granted Clinical Laboratory Scientist Trainee License, and a non-expired California Department of Public Health/Laboratory Field Services issued Medical Laboratory Technician (MLT) license.

CLS 207 CLINICAL URINALYSIS

Units: 2.00 (2.00 units lecture)

CSU 36.00 hours lecture

Explores advanced topics in clinical urinalysis in a lecture format. Emphasis will be placed on the functions of the clinical urinalysis department, the performance of high complexity levels of testing, the clinical significance of microscopic urine sediment, quality control purpose and interpretation, correlation of urinalysis results with disease, and reference ranges obtained in the analysis of extravascular fluids. Students must have a non-expired California Department of Public Health/Laboratory Field Services granted Clinical Laboratory Scientist Trainee License, and a non-expired California Department of Public Health/Laboratory Field Services issued Medical Laboratory Technician (MLT) license.

CLS 208 LABORATORY MANAGEMENT AND EDUCATION

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Explores the theory, application, and evaluation of laboratory management principles in healthcare in a lecture format, including safety, research, educational methodology, quality control, ethics, laboratory operations, point-of-care testing, scope of practice, and the job application process. Skills to improve critical thinking, problem-solving, teamwork, communication, professionalism, management and leadership skills are presented. Students must have a non-expired California Department of Public Health/Laboratory Field Services granted Clinical Laboratory Scientist Trainee License, and a non-expired California Department of Public Health/Laboratory Field Services issued Medical Laboratory Technician (MLT) license.

CLS 211 CLS CLINICAL ROTATIONS I

Units: 6.00 (6.00 units lab)

CSU 324.00 hours lab

Co-requisite: CLS-201, 202, 207

Presents advanced topics in hematology, hemostasis, body fluids, clinical chemistry, and urinalysis in a clinical practicum training format to prepare students for entry-level CLS skills and competencies. Emphasis will be placed on the completion of competency checklists, advanced topics covering high complexity testing areas, performance of all levels of testing (pre-analytical, analytical, and post-analytical), microscopic analysis of blood and body fluid cells, correlation of automated results with microscopy, special chemistry testing procedures, endocrinology, toxicology, quality control and Quality Assurance, validation of test results, and pathologies associated with abnormal results. Successful completion requires mastering specific competency checklists.

CLS 212 CLS CLINICAL ROTATIONS II

Units: 3.00 (3.00 units lab)

CSU 162.00 hours lab

Co-requisite: CLS-203 and 204

Prepares students for entry-level clinical laboratory scientist (CLS) skills and competencies by focusing on advanced topics in clinical microbiology and parasitology. The course emphasizes the complete department workflow, including the operation and maintenance of automated equipment and the performance of essential manual and conventional tests. Students will master all phases of testing, with a focused emphasis on bacteriology culture setup and evaluation, as well as studies in mycobacteriology, mycology, virology, and clinical parasitology. A key component is the application of knowledge to the validation of test results and their correlation with pathologies. Successful completion requires mastering specific competency checklists.

CLS 213 CLS CLINICAL ROTATIONS III

Units: 3.00 (3.00 units lab)

CSU 162.00 hours lab

Co-requisite: CLS-205 and 206

Prepares students for entry-level clinical laboratory scientist (CLS) skills and competencies by focusing on advanced topics in clinical immunology and immunohematology (Blood Bank). The course emphasizes department workflows, automated equipment operation, and all phases of testing. Core skills include ABO/Rh typing, unexpected antibody detection and identification, and compatibility testing. Students will also master key immunological techniques, such as infectious disease screening (e.g., RPR syphilis screen), transplant immunology, flow cytometry, molecular diagnostics, and histocompatibility. The course integrates professional topics like transfusion practices, quality management, and regulatory compliance, ensuring students develop the necessary skills and competencies. Successful completion requires mastering specific competency checklists.

COMMUNICATION STUDIES

An Associate of Arts degree in Communication Studies seeks to provide students with a comprehensive knowledge of the complex and diverse nature of the communication process and a sharpened understanding of contexts within which humans use signs and symbols to create meaning. The degree focuses on the way[s] language and other symbolic systems are used interpersonally within small group settings and in mass mediated formats. Courses will allow students to achieve three separate aims depending upon their academic goals. First, students will be well prepared to transfer to a four-year institution with a broad range of communication coursework completed. Second, students will be prepared for entry into a variety of careers—all of which require effective communication skills for working with diverse sets of people in an increasingly complex technological workplace. Careers including business, public relations, human resources, law [after law school], advertising arts, teaching, social & human services and entertainment industries are all suited for graduates of a Communication Studies degree. Finally, students who are interested in the field of Communication Studies but do not wish to complete a bachelor's degree in the discipline may pursue a two-year course of study. Such study will prepare them to understand diverse communication messages and practice excellent communication skills in a variety of settings.

Continued on the next page.

Associate in Arts for Transfer Degree: Communication Studies 2.0

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Communications Studies 2.0. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to:

— Develop and deliver informative and persuasive presentations using clear written and oral communication skills.

— Analyze theoretical concepts of communication and assess how each concept is utilized within various communication contexts.

Program Requirements:
Units Required: 18-19

		Units
COMM-C1000	Introduction to Public Speaking	3.0
	OR	
COMM-C1000H	Introduction to Public Speaking – Honors	3.0
COMM-246	Interpersonal Communication	3.0
	Plus nine units from the following:	
COMM-100	Process of Communication	3.0
COMM-120	Small Group Communication	3.0
COMM-150	Oral Interpretation	3.0
COMM-190	Forensics	1.0 - 4.0
COMM-225	Strategies of Argumentation	3.0
COMM-227	Introduction to Rhetorical Criticism	3.0
COMM-256	Intercultural Communication	3.0
COMM-260	Communication and Gender	3.0
MEA-100	Mass Media Communications	3.0
	Plus three units from the following:	
COMM-200	Communication and New Media	3.0
COMM-235	Communication of Aging, Health, and Society	3.0
COMM-270	Communication and Leadership	3.0
ANTHRO-103	Cultural Anthropology	3.0
ANTHRO-103H	Cultural Anthropology – Honors	3.0
ENGL-C1001	Critical Thinking and Writing	3.0
ENGL-C1001H	Critical Thinking and Writing – Honors	3.0
ENGL-C1002	Introduction to Literature	3.0
PHILOS-206	Critical Reasoning and Analytical Writing	3.0
PSYC-C1000	Introduction to Psychology	3.0
PSYC-C1000H	Introduction to Psychology - Honors	3.0
SOCI-101	Introduction to Sociology	3.0
SOCI-101H	Introduction to Sociology – Honors	3.0

Associate in Arts Degree: Communication Studies

Degree Student Learning Outcome:

Students will be able to:

— Develop and deliver informative and persuasive presentations using clear written and oral communication skills.

— Analyze theoretical concepts of communication and assess how each concept is utilized within various communication contexts.

Program Requirements:
Units Required: 19 – 22

		Units
COMM-C1000	Introduction to Public Speaking	3.0
	OR	
COMM-C1000H	Introduction to Public Speaking – Honors	3.0
	OR	
COMM-120	Small Group Communication	3.0
	Plus three units from the following:	
COMM-100	Process of Communication	3.0
	Plus one to four units from the following:	
COMM-150	Oral Interpretation	3.0
	OR	
COMM-190	Forensics	1.0 - 4.0

Plus three units from the following:

COMM-225 Strategies of Argumentation 3.0
OR
COMM-227 Introduction to Rhetorical Criticism..3.0

Plus nine units from the following:

COMM-200 Communication and New Media.....3.0
COMM-235 Communication of Aging, Health, and Society 3.0
COMM-246 Interpersonal Communication.....3.0
COMM-256 Intercultural Communication.....3.0
COMM-260 Communication and Gender.....3.0
COMM-270 Communication and Leadership.....3.0

COMM C1000 INTRODUCTION TO PUBLIC SPEAKING

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

C-ID COMM 110

In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience and evaluation of various types of speeches, including informative and persuasive speeches. Formerly COMS-105.

COMM C1000H INTRODUCTION TO PUBLIC SPEAKING - HONORS

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

C-ID COMM 110

In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience and evaluation of various types of speeches, including informative and persuasive speeches. This is an honors course. Rhetorical criticism skills will differentiate COMM C1000 from COMM C1000H. Formerly COMS-105H.

COMM 100 PROCESS OF COMMUNICATION

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

C-ID COMM 180

Surveys the discipline of communication studies, emphasizing a theoretical understanding of human communication. Explores the history, assumptions, principles, specializations, and processes of human communication as an academic field. Formerly COMS-100.

COMM 120 SMALL GROUP COMMUNICATION

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

C-ID COMM 140

Applies principles of communication in a variety of group contexts. Examines the theory, application, and evaluation of group communication processes, including problem solving, conflict management, decision making, and leadership. Formerly COMS-120.

COMM 150 ORAL INTERPRETATION

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

C-ID COMM 170

Introduces theoretical approaches to interpret literature and prepares students to apply these in the performance of that literature. Exploring and communicating emotions will help with audience analysis and emotional intelligence. Formerly COMS-150.

COMM 190 FORENSICS

Units: 1.00-4.00 (0.50 – 1.00 units lecture, 0.50 – 3 units lab)

CSU 9.00-18.00 hours lecture, 27.00-162.00 hours lab

C-ID COMM 160B

May be taken four times for credit

Provides preparation and training for advanced level public speaking, including the competitive speech team and college sponsored speech and forensics activities, tournaments, festivals, intramurals, and civic organizations. Competitions can be in person or online. Studies include argumentation, public address speaking that includes both prepared and limited preparation (impromptu), and oral interpretation of literature. Involves research, writing, performance, and one-on-one direction. Requires participation at an interscholastic competition or in a community speakers' bureau. Field trips may be required. Formerly COMS-190.

COMM 200 COMMUNICATION AND NEW MEDIA

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Introduces communication and new media. Students examine how the Internet, specifically social media, websites, blogs, and podcasts, have reshaped communication practices. The course offers an overview of relevant theories and critical issues while providing students with the opportunity to apply communication skills using new media. Students create a sample of new media content using various current technologies drawing from their life experiences and establishing their voice.

Continued on the next page.

COMM 225 STRATEGIES OF ARGUMENTATION

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID COMM 120

Introduces the strategies used for rhetorical argument, including finding issues, using evidence and detailing fallacies in rhetorical communications.

COMM 227 INTRODUCTION TO RHETORICAL CRITICISM

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID COMM 190

Prerequisite: ENGL-C1000 or ENGL-C1000H

Introduces critical methodologies of rhetoric and principles of rhetorical theory as a means to analyze and evaluate public discourse, including critical reasoning, advocacy, analysis, writing, and discussion. Formerly COMS-225.

COMM 235 COMMUNICATION OF AGING, HEALTH, AND SOCIETY

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Analyzes intergenerational interaction and communication patterns throughout the lifespan, including the examination of theories, attitudes, stereotypes, myths and cultural differences. Formerly COMS-235.

COMM 246 INTERPERSONAL COMMUNICATION

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID COMM 130

Examines theories and topics within interpersonal communication, such as verbal and nonverbal communication, perception, self-concept, communication climate, relationship satisfaction, conflict, and self-disclosure within different dyadic communication contexts. Formerly COMS-246.

COMM 256 INTERCULTURAL COMMUNICATION

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID COMM 150

Examines intercultural communication, including cultural patterns, verbal and nonverbal communication codes and their practical application in today's diverse society. Formerly COMS-256.

COMM 260 COMMUNICATION AND GENDER

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Examines the communication styles of diverse gender identities in a variety of settings and suggests ways to develop communication competence while fostering inclusivity and empathy in the areas of interpersonal, intercultural, organizational, media, and LGBTQ+ communities. Formerly COMS-260.

COMM 270 COMMUNICATION AND LEADERSHIP

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces students to the fundamental elements of communication in relation to organizations and leadership. Examines organizational culture, leadership styles, and skills: such as interviewing, decision-making, conflict management, and working with a diverse population. Formerly COMS-270.

COMPUTER APPLICATIONS AND WEB TECHNOLOGIES

Associate in Science Degree and Certificate of Achievement: Computer Applications

The CAWT Computer Applications Degree is designed to provide a solid foundation in the latest, highly marketable business software used in industry today. This program provides the training and exposure that is essential to prospective computer users and office workers at all levels. The sequence of courses included in this program maps to the latest Microsoft Office certification exam, which provides an outstanding opportunity for students to present to prospective employers a globally recognized certificate representing high-level skills and achievement. At the conclusion of their studies, students will be prepared for entry-level positions such as administrative assistant, computer applications specialist, word processing specialist, database specialist, spreadsheet analyst, bookkeeping assistant and web content provider. Students who complete this program will be eligible to sit for Microsoft Office certification examination.

Degree and Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required to use popular office applications to develop professional documents for organizations and businesses.

Program Requirements:

Units Required: 33

		Units
CAWT-036	Microsoft Outlook - Brief	1.5
CAWT-074	Introduction to Photoshop - Brief	1.5
CAWT-105	Microsoft Windows	3.0
CAWT-140	Survey of Microsoft Office Programs	3.0
CAWT-150	Microsoft Word I	3.0
CAWT-151	Microsoft Word II	3.0
CAWT-155	Microsoft Excel I	3.0
CAWT-156	Microsoft Excel II	3.0
CAWT-160	Microsoft Access I	3.0
CAWT-165	Microsoft PowerPoint	3.0

Plus six units from the following:

CAWT-076	Introduction to WordPress	1.5
CAWT-082	Adobe Acrobat - Brief	1.5
CAWT-145	Quickbooks Pro	3.0
CAWT-161	Microsoft Access II	3.0
CAWT-166	Desktop Publishing: Adobe InDesign	3.0
CAWT-173	Web Development: Dreamweaver	3.0

Associate in Science Degree and Certificate of Achievement: Administrative Assistant

The CAWT Administrative Assistant Degree and certificate is designed to provide a solid foundation in the area of office systems, procedures and communications required for the modern office environment.

At the conclusion of their studies, students will be prepared for entry-level positions in a number of areas that relate to office procedures and protocol including business communications, and document formatting and processing. Also built into the program are options to pursue areas related to medical office procedures, bookkeeping, and database management.

Additionally, the CIT curriculum is tailored to meet the needs of businesses and organizations that are constantly responding to new trends and changes in technology.

Degree and Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment as an administrative assistant.

Program Requirements:

Units Required: 33

		Units
CAWT-036	Microsoft Outlook - Brief	1.5
CAWT-082	Adobe Acrobat - Brief	1.5
CAWT-101	Introduction to Computers	3.0
CAWT-110	Keyboarding and Document Processing	3.0
CAWT-115	Business English	3.0
CAWT-116	Business Communications	3.0
CAWT-120	Administrative Office Procedures	3.0
CAWT-140	Survey of Microsoft Office Programs	3.0
CAWT-150	Microsoft Word I	3.0
CAWT-155	Microsoft Excel I	3.0

Plus six units from the following:

CAWT-035	The Internet - Brief	1.5
CAWT-074	Introduction to Photoshop - Brief	1.5
CAWT-076	Introduction to WordPress	1.5
CAWT-105	Microsoft Windows	3.0
CAWT-145	QuickBooks Pro	3.0
CAWT-151	Microsoft Word II	3.0
CAWT-156	Microsoft Excel II	3.0
CAWT-160	Microsoft Access I	3.0
CAWT-166	Desktop Publishing: Adobe InDesign	3.0

Associate in Science Degree: Web Development

The goal of the A.S. degree in Web Development is to provide students with the broad educational background required to transfer to a four-year institution in a related discipline and the opportunity to acquire training necessary to meet the demand for skilled personnel to develop and maintain websites for corporations, non-profit or government organizations, and individuals. The need for individuals who possess web development skills has grown exponentially in recent years due to convergence of technology on the Internet and the prominent role websites play in the daily activities of businesses and other organizations.

The web curriculum is a vocational program that reflects the multi-faceted nature of the competencies required to become a professional web developer. The program is, therefore, interdisciplinary and draws from courses offered in both the Computer Applications and Web Technologies (CAWT) and Computer Science Departments. Cooperative Work Experience Education is also an essential component included in the sequence of required classes.

The curriculum is designed to provide students with a strong and balanced foundation in aspects of both front- and back-end web development. Students will develop proficiency with markup languages, cascading style sheets, web authoring software, database connectivity, image and search engine optimization, client- and server-side programming, e-commerce considerations, and the entire web life-cycle development process.

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in the core knowledge and skills needed to develop and implement dynamic, interactive websites.

Continued on the next page.

Program Requirements:

Units Required: 34

		Units
CAWT-074	Introduction to Photoshop - Brief	1.5
CAWT-076	Introduction to WordPress	1.5
CAWT-160	Microsoft Access I	3.0
CAWT-170	Website Development I	3.0
CAWT-171	Website Development II	3.0
CAWT-173	Web Development: Dreamweaver	3.0
CAWT-174	Web Prototyping and Images	3.0
CMPSCI-190	Web Programing: Javascript	3.0
CMPSCI-192	PHP Programing	3.0

Plus ten units from the following:

CAWT-082	Adobe Acrobat - Brief	1.5
CAWT-115	Business English	3.0
CAWT-116	Business Communications	3.0
CAWT-161	Microsoft Access II	3.0
CMPSCI-111	Introduction to Algorithms and Programming/Java	3.0
CMPSCI-111L	Introduction to Algorithms and Programming Lab	1.0
CMPSCI-235	C++ Programming	3.0
CMPSCI-236	C++ Object Oriented Programming	3.0
GMD-101	Introduction to Visual Communication	3.0
GMD-144	Graphic Design I	3.0
GMD-145	Type and Typography	3.0
GMD-177	Web Page Design I	3.0
BUS-190	Principles of Electronic Commerce	3.0
BUS-192	E-Business Strategy	3.0
NETECH-151	CCNA R&S: Introduction to Networks	3.0
WE-186CAWT	Work Experience Education Computer Applications and Web Technologies	1.0 – 4.0

Certificate of Achievement: Web Development

The Certificate of Achievement in Web Development is a vocational program that reflects the multi-faceted nature of the competencies required to develop and maintain websites. The program is, therefore, interdisciplinary and draws from courses offered in both the Computer Applications and Web Technologies (CAWT) and Computer Science Departments. The multi-disciplinary approach will prepare students for entry-level positions as web developers and for career-change or promotion opportunities. Cooperative Work Experience Education is also an essential component included in the sequence of required classes.

The curriculum is designed to provide students with a strong and balanced foundation in aspects of both front- and back-end web development. Students will develop proficiency with markup languages, cascading style sheets, web authoring software, database connectivity, image and search engine optimization, client- and server-side programming, e-commerce considerations and the entire web life-cycle development process.

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core knowledge and skills needed to develop and implement dynamic, interactive websites.

Program Requirements:

Units Required: 24

		Units
CAWT-074	Introduction to Photoshop - Brief	1.5
CAWT-076	Introduction to WordPress	1.5
CAWT-160	Microsoft Access I	3.0
CAWT-170	Website Development I	3.0
CAWT-171	Website Development II	3.0
CAWT-173	Web Development: Dreamweaver	3.0
CAWT-174	Web Prototyping and Images	3.0
CMPSCI-190	Web Programing: Javascript	3.0
CMPSCI-192	PHP Programing	3.0

Recommended Electives:

WE-186CAWT	Work Experience Education Computer Applications and Web Technologies	1.0 – 4.0

Associate in Science Degree: Web Publishing and Design

The Web Publishing and Design degree program is designed to provide students with a strong foundation in front-end web development, web content management, design and publishing. Front-end developers are not involved with programming or scripting competencies but are responsible for the design, look and feel, as well as usability and accessibility of websites. Students will develop proficiency with markup languages, cascading style sheets, web multimedia, content optimization, typography, graphic design, wireframing, prototype design and the entire web development life-cycle process.

The Web Publishing and Design curriculum is a vocational program that reflects the multi-faceted nature of the competencies required to design, develop, and maintain web content. The proposed program is, therefore, interdisciplinary and draws from subjects taught in both CAWT and Graphics and Multimedia Design. In addition to preparing students for entry-level positions or promotion opportunities in the field of web publishing and design, the program provides a foundation for further studies in media studies, web authoring, graphic design and related areas, including web development, web application development and advertising.

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the web publishing and design industry.

Program Requirements:

Units Required: 35.5

		Units
CAWT-074	Introduction to Photoshop - Brief	1.5
CAWT-076	Introduction to WordPress	1.5
CAWT-082	Adobe Acrobat	1.5
CAWT-170	Website Development I	3.0
CAWT-171	Website Development II	3.0
CAWT-173	Web Development: Dreamweaver	3.0
CAWT-174	Web Prototyping and Images	3.0
GMD-144	Graphic Design I	3.0
GMD-145	Type and Typography	3.0
GMD-177	Web Page Design I	3.0
	Plus ten units from the following:	
CAWT-115	Business English	3.0
CAWT-116	Business Communications	3.0
CAWT-160	Microsoft Access I	3.0
CAWT-161	Microsoft Access II	3.0
CMPSCI-111	Introduction to Algorithms and Programming/Java	3.0
CMPSCI-111L	Introduction to Algorithms and Programming Lab	3.0
CMPSCI-132	Introduction to Programming	3.0
CMPSCI-190	Web Programming: JavaScript	3.0
CMPSCI-192	PHP Programming	3.0
CMPSCI-235	'C' Programming	3.0
CMPSCI-236	C++ Object Oriented Programming	3.0
GMD-101	Introduction to Visual Communication	3.0
MEA-109	Story Development and Storyboarding	3.0
MEA-110	Writing for Multimedia Journalism	3.0
NETECH-151	CCNA R&S: Introduction to Networks	3.0
BUS-190	Principles of Electronic Commerce	3.0
BUS-192	E-Business Strategy	3.0
WE-186CAWT	Work Experience Education Computer Applications and Web Technologies	1.0 – 4.0

Certificate Achievement: Web Publishing and Design

The Certificate of Achievement in Web Publishing and Design is intended to provide students with a strong foundation in front-end web development, web content management, design, and publishing. Front-end developers are generally not involved with programming or scripting competencies, but are responsible for the design, look and feel, as well as usability and accessibility of websites. Students will develop proficiency with markup languages, cascading style sheets, web multimedia, content optimization, typography, graphic design, wireframing, prototype design, and the entire web development life-cycle process.

The Web Publishing and Design curriculum is a vocational program that reflects the multi-faceted nature of the competencies required to design, develop, and maintain Web content. The proposed program is, therefore, interdisciplinary and draws from subjects taught in both CAWT and Graphics and Multimedia Design. In addition to preparing students for entry-level positions or career advancement opportunities in the field of web publishing and design, the program provides a foundation for further studies in media studies, web authoring, graphic design and related areas, including web development, web application development and advertising.

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the web publishing and design industry.

Program Requirements:

Units Required: 25.5

		Units
CAWT-074	Introduction to Photoshop - Brief	1.5
CAWT-076	Introduction to WordPress	1.5
CAWT-082	Adobe Acrobat	1.5
CAWT-170	Website Development I	3.0
CAWT-171	Website Development II	3.0
CAWT-173	Web Development: Dreamweaver	3.0
CAWT-174	Web Prototyping and Images	3.0
GMD-144	Graphic Design I	3.0
GMD-145	Type and Typography	3.0
GMD-177	Web Page Design I	3.0
	Recommended Electives:	
WE-186CAWT	Work Experience Education Computer Applications and Web Technologies	1.0 – 4.0

Certificate of Achievement: Medical Office Administrative Assistant

The Medical Office Administrative Assistant Certificate program provides students with the fundamental skills to work in entry-level office administrative positions for health care facilities, doctors' offices and hospitals. This program involves an experiential learning approach to expose students to concepts, skills, and practical application of computer software programs used in the health-care industry in the areas of front office reception, basic medical coding and billing, and transcription of dictated correspondence.

Continued on the next page.

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core knowledge and skills needed for employment as a medical office administrative assistant.

Program Requirements:

Units Required: 17

		Units
CAWT-116	Business Communications	3.0
CAWT-130	Medical Office Procedures	3.0
CAWT-131	Medical Transcription	2.0
CAWT-132	Medical Office Finances	3.0
CAWT-140	Survey of Microsoft Office Programs	3.0
HLHSCI-249	Medical Terminology	3.0

Certificate of Specialization: E-Commerce - Technology

The certificate of specialization in E-Commerce-Technology program provides students with an overview of the fundamental issues and skills involved in developing an online implementation of a business enterprise. The certificate should also appeal to those interested in general website development due to the business nature of many sites that pervade the web. The program's "hands-on" approach assures prospective employers that students who complete the sequence will have obtained practical experience employing web technologies as business solutions. Courses are appropriate for those who seek entry-level positions in the field and for managers or entrepreneurs who desire a better understanding of the technologies employed in developing commercial websites.

Certificate Student Learning Outcome:

Students will be able to evaluate web technologies for potential business solutions and apply e-commerce principles to design an e-business website.

Program Requirements:

Units Required: 15

		Units
BUS-190	Principles of Electronic Commerce	3.0
BUS-192	E-Business Strategy	3.0
CAWT-170	Website Development I	3.0
CAWT-171	Website Development II	3.0
CAWT-173	Web Development: Dreamweaver	3.0

Certificate of Specialization: Website Development

The certificate in website development affords students the opportunity to acquire basic skills related to the design, planning and realization of functional websites. Many employers require their content developers to be proficient in markup languages, style sheets, generation of animated pages, and the latest authoring tools – the primary skills targeted by this certificate. This program is designed for those interested in all aspects of front-end website development and especially those who are considering future study, career moves and promotional opportunities related to this growing and continuously evolving area.

Certificate Student Learning Outcome:

Students will be able to plan and create a functional website.

Program Requirements:

Units Required: 15

		Units
CAWT-074	Introduction to Photoshop - Brief	1.5
CAWT-076	Introduction to WordPress	1.5
CAWT-170	Website Development I	3.0
CAWT-171	Website Development II	3.0
CAWT-173	Web Development: Dreamweaver	3.0
CAWT-174	Web Prototyping and Images	3.0

CAWT 035 THE INTERNET - BRIEF

Units: 1.50 (1.00 unit lecture, 0.50 units lab)

18.00 hours lecture, 27.00 hours lab

Explores the architecture and historical development of the Internet, including browsers, email, online communications, netiquette, and online resources, including search engines, web applications, blogs, chat rooms, and RSS feeds. Familiarity with a PC and Microsoft Windows is assumed.

CAWT 036 MICROSOFT OUTLOOK - BRIEF

Units: 1.50 (1.00 unit lecture, 0.50 units lab)

18.00 hours lecture, 27.00 hours lab

C-ID BSOT 106X

Recommended Preparation: CAWT-035 & CAWT-105

Introduces Microsoft Outlook, including the use of email, scheduling, calendar planning, contact list management and notes features.

CAWT 074 INTRODUCTION TO PHOTOSHOP

Units: 1.50 (1.00 unit lecture, 0.50 units lab)

18.00 hours lecture, 27.00 hours lab

Introduces basic digital image editing using Photoshop, including layers, selections, masks, image retouching, paint tools, text and special effects, with application to commercial or personal projects. Familiarity with a PC and the Windows operating system is assumed.

CAWT 076 INTRODUCTION TO WORDPRESS

Units: 1.50 (1.00 unit lecture, 0.50 units lab)

18.00 hours lecture, 27.00 hours lab

Introduces the creation and management of WordPress web sites and blogs using themes, widgets, dynamic content, search engine optimization, and WordPress web analytics. Proficiency with Microsoft Windows, file management, and an Internet browser is assumed.

CAWT 082 ADOBE ACROBAT

Units: 1.50 (1.00 unit lecture, 0.50 units lab)
18.00 hours lecture, 27.00 hours lab
C-ID BSOT 125X

Introduces Adobe Acrobat to create, modify, and authenticate universal Portable Document Format (PDF) documents for cross-platform distribution, including PDF conversion, multimedia content, interactive elements, electronic forms, security features, and document review cycle. Familiarity with a PC and Microsoft Windows is assumed.

CAWT 101 INTRODUCTION TO COMPUTERS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
UC:CSU 36.00 hours lecture, 54.00 hours lab
C-ID ITIS 120, C-ID BUS 140

Introduces computers, including their history, usage, technology, and terminology, as well as their impact on society, ethics, and organizational settings. Provides an introduction to system hardware, networks, telecommunications, operating systems, and popular production software, including spreadsheets, databases, word processing, presentation software, Internet, and e-mail applications.

CAWT 105 MICROSOFT WINDOWS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Presents in-depth study of the Windows graphical user interface, including file management, windows manipulation, desktop customization, multitasking, data search, use of Windows accessories, Object Linking and Embedding (OLE), and troubleshooting.

CAWT 110 KEYBOARDING AND DOCUMENT PROCESSING

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Develops a mastery of the computer keyboard by touch and proficiency in producing business letters, reports, tables, memos, and other documents using Microsoft Word.

CAWT 115 BUSINESS ENGLISH

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Introduces business language skills as they relate to written and oral communication in the contemporary business environment. Covers sentence structure, parts of speech, paragraph writing, and lays the foundation for clear and correct business writing.

CAWT 116 BUSINESS COMMUNICATIONS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID BSOT 126X

Presents concepts and techniques for developing written and oral communication skills adapted to various business situations, including the organization of information to support conclusions as well as using appropriate formats and business writing styles while applying conventions of standard English. Familiarity with computer keyboarding and the Windows operating system is assumed.

CAWT 120 ADMINISTRATIVE OFFICE PROCEDURES

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Introduces the technological and procedural tasks typically encountered by the administrative assistant in the business environment.

CAWT 130 MEDICAL OFFICE PROCEDURES

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID HITS 208X

Introduces administrative medical office procedures, including medical ethics, legal responsibilities and appropriate communications skills. Medical office software for completing such tasks as patient registration, records, appointment scheduling, and billing and collection is also examined.

CAWT 131 MEDICAL TRANSCRIPTION

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
CSU 18.00 hours lecture, 54.00 hours lab

Presents entry-level skills in medical transcription using computer applications, medical dictation and transcription software, incorporating business English, medical knowledge, proofreading, and editing skills. Familiarity with medical terminology and keyboarding skills are assumed.

CAWT 132 MEDICAL OFFICE FINANCES

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Examines the various financial methods used in medical offices and hospitals for a variety of duties using the latest medical management software program to perform such tasks as posting patient account entries, printing daily reports, managing office files, and billing routines such as insurance payments and adjustments, hospital coding and billing, report generation, and inpatient and outpatient coding and billing.

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CAWT 140 MICROSOFT OFFICE

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

Introduces Microsoft Office and its organizational settings, including word processing, spreadsheet analysis, database management, and presentation software.

CAWT 145 QUICKBOOKS PRO

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

Introduces the basics of QuickBooks Pro, designed to assist in the operation of a small business as well as a merchandise business. Familiarity with the Windows operating system is assumed.

CAWT 150 MICROSOFT WORD I

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

C-ID BSOT 111X

Introduces the latest version of Microsoft Word, including creating, editing, formatting, saving, retrieving, and printing a variety of business documents. Prepares the student to take the Microsoft Office Specialist (MOS) certification core exam in Word.

CAWT 151 MICROSOFT WORD II

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

C-ID BSOT 121X

Prerequisite: CAWT-150

Provides a continuation of CAWT-150, presenting a comprehensive overview of advanced features of Microsoft Word including merging documents, sorting and selecting data using Access database, formatting macros, styles, working with shared documents, creating specialized tables and indexes, and using XML data in different applications. Prepares students for the Microsoft Office Specialist (MOS) certification expert exam in Word.

CAWT 155 MICROSOFT EXCEL I

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

C-ID BSOT 112X

Introduces the latest version of Microsoft Excel, including formulas and functions as related to charting, formatting worksheets, creating absolute cell references, working with large worksheets, conducting what-if analysis, and using Excel to create static and dynamic web pages. Prepares students for the Microsoft Office Specialist (MOS) certification core exam.

CAWT 156 MICROSOFT EXCEL II

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

C-ID BSOT 122X

Prerequisite: CAWT-155

Provides a continuation of CAWT-155, presenting a comprehensive overview of advanced features of Microsoft Excel, including templates, SmartArt images, Pivot table reports, Pivot chart reports, formula auditing, data validation, and the use of Macros and Visual Basic for applications. Prepares students to take the MOS exam in Excel.

CAWT 160 MICROSOFT ACCESS I

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

C-ID BSOT 113X

Introduces the latest version of Microsoft Access, including creating, querying, and maintaining relational databases. Skills are developed from basic functions through intermediate features such as designing and building databases; creating tables, reports and forms with wizards; maintaining and updating databases; developing data access pages and combo boxes; and using Object Linking and Embedding (OLE) fields, hyperlinks, and subforms. Prepares the student to take the Microsoft Office Specialist (MOS) certification core exam in Access.

CAWT 161 MICROSOFT ACCESS II

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

C-ID BSOT 123X

Prerequisite: CAWT-160

Provides a continuation of CAWT-160, presenting advanced features of Microsoft Access including creating, querying, and maintaining a database; creating reports, forms, and combo boxes; formulating cross tab queries, mailing labels, and mail merge reports; defining relationships, integrating Excel worksheet data into an Access database; using OLE fields, creating an application system using the Switchboard Manager; customizing forms using VBA, working with PivotTable and PivotChart objects, administering a database; establishing customized menu bars; publishing to the Internet using Data Access pages, using XML to share data and using data from the Internet and other sources. Prepares students for the MCAS Exam.

CAWT 165 MICROSOFT POWERPOINT

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

C-ID BSOT 114X

Provides an in-depth study of presentation fundamentals using Microsoft PowerPoint software to create slide presentations incorporating templates, images, screen transitions, sound and animation. Examines how to create dynamic slides and develop slide shows based on business topics. Designed as preparation for the Microsoft Office Specialist (MOS) certification Core and Expert exams in PowerPoint.

CAWT 166 DESKTOP PUBLISHING: ADOBE INDESIGN

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

Introduces desktop publishing using Adobe InDesign to create graphically rich layouts, brochures, posters, fliers and newsletters. Familiarity with Windows, file management and a PC is assumed.

CAWT 170 WEBSITE DEVELOPMENT I

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

Introduces the creation of websites and remote website administration using HTML, CSS, and FTP. Includes related topics, such as information architecture, Internet infrastructure, security, and accessibility. Proficiency with Windows, the Internet, a browser, and a PC is assumed.

CAWT 171 WEBSITE DEVELOPMENT II

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

Continues studies began in Website Development I using HTML coding and CSS positioning, including implementation of audio, video, and introductory JavaScript. Concepts related to large-scale development, site promotion, and e-commerce may also be covered. Proficiency with HTML, CSS, the Internet, a browser, and Windows is assumed..

CAWT 173 WEB DEVELOPMENT: DREAMWEAVER

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

Introduces Adobe Dreamweaver to develop and publish websites, emphasizing a critical-thinking approach and accepted standards of web page design. Proficiency with Windows OS, PC, the Internet, and basic HTML and CSS is assumed.

CAWT 174 WEB PROTOTYPING AND IMAGES

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: CAWT-074, CAWT-105, CAWT-170

Provides training in application of theoretical concepts related to creating imagery for web delivery with digital imaging software, such as Adobe XD and Photoshop. Topics include graphic formats, image optimization, resolution, wireframing, GIF animation, and website prototyping with graphical mockups.

COMPUTER SCIENCE

The Computer Science program is designed to address problems in organizing, representing, manipulating, and presenting information in an automatic processing environment. Computerized information systems are being developed and used in almost every field where information must be processed. The goal of the Computer Science program is to provide understanding of the functions of the modern computer and operational skills in programming. The following list is a sample of the many career options available to the computer science major. While a few require an associate degree, most require baccalaureate degrees and some require a graduate degree: programmer, computer hardware specialist, database specialist, computer operator, systems analyst, programmer analyst, software engineer, and instructor.

Associate in Science for Transfer Degree: Computer Science

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an “associate degree for transfer”, a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)

Continued on the next page.

2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AS-T in Computer Science. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to evaluate and analyze fundamental software solutions and their applications.

Program Requirements:
Units Required: 30 – 31

		Units
CMPSCI-111	Introduction to Algorithms and Programming/Java	3.0
CMPSCI-122	Computer Architecture and Assembly Language	3.0
CMPSCI-182	Data Structures and Program Design	3.0
CMPSCI-256	Discrete Structures	3.0
MATH-211	Calculus I	5.0
	OR	
MATH-211X	Calculus I with Support	6.0
MATH-212	Calculus II	5.0
PHYSIC-220	Physics for Scientists and Engineers: Mechanics of Solids and Fluids	4.0
PHYSIC-221	Physics for Scientists and Engineers: Electricity, Magnetism, and Waves	4.0

Associate in Science Degree: Computer Science

Degree Student Learning Outcome:

Students will be able to identify, evaluate, analyze, and present fundamental software solutions and their applications.

Program Requirements:
Units Required: 37 – 38

		Units
CMPSCI-111	Introduction to Algorithms and Programming/Java	3.0
CMPSCI-111L	Introduction to Algorithms and Programming Lab	1.0
CMPSCI-122	Computer Architecture and Assembly Language	3.0
CMPSCI-182	Data Structures and Program Design	3.0
CMPSCI-182L	Data Structures and Program Design Lab	1.0
CMPSCI-235	'C' Programming	3.0
CMPSCI-282	Advanced Data Structures	3.0

Plus six units from the following:

CMPSCI-132	Introduction to Programming	3.0
CMPSCI-190	Web Programming: JavaScript	3.0
CMPSCI-192	PHP Programming	3.0
CMPSCI-222	Computer Organization	3.0
CMPSCI-236	C++ Object Oriented Programming	3.0
PHILOS-230	Symbolic Logic	3.0

Plus 14 units to 15 units from the following (for transfer students)

MATH-211	Calculus I	5.0
	OR	
MATH-211X	Calculus I with Support	6.0
MATH-212	Calculus II	5.0
MATH-214	Linear Algebra	4.0
	OR	

Plus 14 units from the following (for non-transfer students)

MATH-211	Calculus I	5.0

AND

Nine additional units from the above CMPSCI courses that have not already been taken.

CMPSCI 111 INTRODUCTION TO ALGORITHMS AND PROGRAMMING/JAVA

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID COMP 122

Co-Requisite: CMPSCI-111L

Introduces computer programming using Java, including algorithms, data and control structures, problem solving, structured and object oriented programming.

CMPSCI 111L INTRODUCTION TO ALGORITHMS AND PROGRAMMING LAB

Units: 1.00 (1.00 unit lecture)
UC:CSU 54.00 hours lab

Co-Requisite: CMPSCI-111

Provides the opportunity for students to practice computer programming using Java. Required laboratory to support CMPSCI 111..

CMPSCI 122 COMPUTER ARCHITECTURE AND ASSEMBLY LANGUAGE

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID COMP 142

Introduces computer architecture, assembly/machine language programming, system software and computer applications.

CMPSCI 132 INTRODUCTION TO PROGRAMMING

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduction to programming using Visual Basic. Designed for students with little or no experience in computer programming. Includes hands-on programming projects, as well as the history of computer science and theories of software development.

CMPSCI 182 DATA STRUCTURES AND PROGRAM DESIGN

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID COMP 132

Prerequisite: CMPSCI-111 Co-requisite: CMPSCI-182L

Applies software engineering techniques to design and develop large programs; data abstraction and structures and associated algorithms. Presents object oriented view of data structures: stacks, queues, lists, trees, hash tables, and analysis of performance of algorithms for the data structures. This course is an intermediate Java programming language course which has CMPSCI 111 as a pre-requisite.

CMPSCI 182L DATA STRUCTURES AND PROGRAM DESIGN LAB

Units: 1.00 (1.00 unit lecture)
UC:CSU 54.00 hours lab

Co-requisite: CMPSCI-182

Focuses on implementation and programming of object-oriented data structures using the Java programming language.

CMPSCI 190 WEB PROGRAMMING: JAVASCRIPT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces Javascript for Web designers, including creating animated web pages, client-side forms validation, JSON, processing forms data, OOP and generating dynamically updated web pages. Experience creating web pages with HTML is strongly suggested prior to taking this course..

CMPSCI 192 PHP PROGRAMMING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: Student must be familiar with HTML and creating web pages.

Introduces programming and the PHP language. Covers PHP language elements including object oriented programming (OOP). In depth coverage of SQL programming and processing CGI/FORM elements from a Web page. Additional topics include JSON, data base interfaces and programming e-commerce Web pages.

CMPSCI 222 COMPUTER ORGANIZATION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduction to computer organization and architecture. Extension of basic and advanced addressing concepts. Comparative computer architecture. Basics of virtual memory input-output, concept of micro-programmable systems and low level language translation process associated with assemblers. System functions such as relocatable loading and memory management. Application of data structure and hashing techniques to the above..

CMPSCI 235 C PROGRAMMING

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces C Programming including data types, operators and expressions, control flow logic, program structure, arrays functions and file I/O.

CMPSCI 236 C++ OBJECT ORIENTED PROGRAMMING

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Prerequisite: CMPSCI-235

Introduces Object Oriented Programming (OOP) using the language C++. Topics covered will be C++ classes/objects, input/output streams, overloading, inheritance, templates and exception handling.

CMPSCI 256 DISCRETE STRUCTURES

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID COMP 152

Prerequisite: CMPSCI-182

Introduces discrete structures used in Computer Science emphasizing their applications. Topics include functions, relations and sets, basic logic, proof techniques, basics of counting, graphs and trees and discrete probability.

CMPSCI 282 ADVANCED DATA STRUCTURES

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Prerequisite: CMPSCI-182

Explores the foundations of database design with in-depth coverage of data structures using the Java programming language including effective storage of data in disk-based files.

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CONSTRUCTION MANAGEMENT TECHNOLOGY

Associate in Science and Certificate of Achievement: Construction Management

The Construction Management Technology program is designed to prepare students with the foundation needed to meet the current technological requirements of the construction workplace. The program has two tracks: one for those interested in transferring to a four-year college or university to major in Construction Engineering Technology or Construction Management; the other option is for those students already employed in the construction industry or who plan to enter the industry after completion of a certificate or associate degree. The certificate and associate degree curriculum provides students with the industry-identified skill competencies for entry into the field.

Degree and Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in construction management.

Program Requirements:
Units Required: 31

		Units
CONST-101	Introduction to Construction and Construction Engineering	3.0
CONST-102	Construction Management Principles	3.0
CONST-103	Blueprint Reading for Construction	3.0
CONST-104	The Construction Process - Planning and Scheduling	3.0
CONST-105	Construction Estimating Principles	3.0
CONST-106	Survey of Construction Contracts and Laws	3.0
CONST-108	Introduction to Construction Inspection and Codes	3.0
SURV-101A	Introduction to Land Surveying	3.0
SURV-101L	Introduction to Land Surveying Laboratory	1.0
	Plus six units from the following	
ARCHT-110	Architectural Drafting I	3.0
ARCHT-140	Materials and Methods of Construction	3.0
ARCHT-250	Introduction to Sustainable Building Certification Systems	3.0
BUS-101	Bookkeeping and Accounting	5.0
MFGT-090	Measurements and Computations	3.0

Associate in Science and Certificate of Achievement: Construction Technology

The Construction Technology program is designed to give students a broad experience in construction trades technology. Students will gain knowledge and skills in carpentry, concrete, masonry, HVAC, plumbing, and electrical trades that will lead to entry level jobs in the field. In addition, students will be eligible for industry credentials through the National Center for Construction Education and Research (NCCER).

Degree and Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in entry-level skills and knowledge required for employment in a construction technology career field.

Program Requirements:
Units Required: 26

		Units
CONST-025	Introduction to Construction Technology	2.0
CONST-030	Carpentry Fundamentals	2.0
CONST-032	Framing and Exterior Finish Carpentry	2.0
CONST-034	Interior Finish Carpentry	2.0
CONST-040	Fundamentals of Masonry	2.0
CONST-050	Fundamentals of Mechanical, Electrical, and Plumbing Construction	2.0
CONST-060	Concrete Construction Technology	2.0
CONST-101	Introduction to Construction and Construction Engineering	3.0
CONST-103	Blueprint Reading for Construction	3.0
CONST-109	California Building Code	3.0
MFGT-090	Measurements and Computations	3.0

Certificate of Achievement: Building Inspection

The Building Inspection option is designed to prepare students to meet entry-level requirements for employment in the building inspection profession. The coursework prepares students to take code certification exams typically required for employment. Inspectors are employed by government agencies, private companies, contractors and lending institutions. Inspectors observe, evaluate, judge and enforce laws and regulations pertaining to building construction. The inspector is required to have a broad base of knowledge in all components of construction including plan reading, specification interpretation and legal requirements.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required to interpret California construction codes and apply them to building and construction applications.

Program Requirements:
Units Required: 18

		Units
CONST-103	Blueprint Reading for Construction	3.0
CONST-108	Introduction to Construction Inspection and Codes	3.0
CONST-109	California Building Code	3.0
CONST-120	California Mechanical Code	3.0
CONST-122	Plumbing Systems and the Plumbing Code	3.0
CONST-124	California Electrical Code	3.0

Certificate of Specialization: Carpentry Technology

The Carpentry Technology Certificate of Specialization is designed to prepare students for entry-level positions in carpentry. Students will gain skills in a wide variety of carpentry applications including but not limited to safety, hand and power tools, wall and roof framing, finish carpentry, and cabinetmaking. Students who complete this certificate will also be eligible to earn industry recognized credentials from the National Center for Construction Education & Research (NCCER).

Certificate Student Learning Outcome:
Students will be able to apply basic skills and knowledge required for employment in a carpentry technology related trade.

Program Requirements:
Units Required: 14

		Units
CONST-025	Introduction to Construction Technology	2.0
CONST-030	Carpentry Fundamentals	2.0
CONST-032	Framing and Exterior Finish Carpentry	2.0
CONST-034	Interior Finish Carpentry	2.0
CONST-103	Blue Print Reading for Construction	3.0
MFGT-090	Measurements and Computations	3.0

Certificate of Specialization: Masonry and Concrete

The Masonry and Concrete Technology Certificate of Specialization is designed to prepare students for entry-level positions in concrete and masonry construction. Students will gain skills in a wide variety of applications including but not limited to safety, tools and equipment, mortar mixing, trowel techniques, Concrete Masonry Unit (CMU) and brick installation and concrete placement, formwork, and finishing. Students who complete this certificate will also be eligible to earn industry recognized credentials from the National Center for Construction Education & Research (NCCER).

Certificate Student Learning Outcome:
Students will be able to apply basic skills required for employment in a masonry or concrete related trade.

Program Requirements:
Units Required: 12

		Units
CONST-025	Introduction to Construction Technology	2.0
CONST-040	Fundamentals of Masonry Construction	2.0
CONST-060	Concrete Construction Technology	2.0
CONST-103	Blue Print Reading for Construction	3.0
MFGT-090	Measurements and Computations	3.0

CONST 025 INTRODUCTION TO CONSTRUCTION TECHNOLOGY

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
18.00 hours lecture, 54 hours lab

Introduces the fundamental skills necessary in the construction industry across trades. Topics include construction safety, hand and power tools, construction math, construction drawings, materials-handling, job communication, and skills to gain employment.

CONST 030 CARPENTRY FUNDAMENTALS

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
18.00 hours lecture, 54 hours lab

Prerequisite: CONST-025

Introduces the fundamentals of carpentry including floor framing, roof and ceiling framing, and the use of power tools in a framing environment.

CONST 032 FRAMING AND EXTERIOR FINISH CARPENTRY

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
18.00 hours lecture, 54 hours lab

Prerequisite: CONST-030

Continues the study of carpentry with a focus on wall framing techniques, roofing applications, and exterior finishing applications.

CONST 034 INTERIOR FINISH CARPENTRY

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
18.00 hours lecture, 54 hours lab

Prerequisite: CONST-030

Introduces the fundamental skills necessary in the construction industry across trades. Topics include construction safety, hand and power tools, construction math, construction drawings, materials-handling, job communication, and skills to gain employment.

CONST 040 FUNDAMENTALS OF MASONRY CONSTRUCTION

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
18.00 hours lecture, 54 hours lab

Prerequisite: CONST-025

Explores masonry construction principles and techniques including brick and Concrete Masonry Unit (CMU) installation.

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CONST 050 FUNDAMENTALS OF MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
18.00 hours lecture, 54 hours lab

Prerequisite: CONST-025

Explores the fundamentals of mechanical, electrical, and plumbing (MEP) construction. Topics include common practices in electrical wiring, plumbing, and HVAC.

CONST 060 CONCRETE CONSTRUCTION TECHNOLOGY

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
18.00 hours lecture, 54 hours lab

Prerequisite: CONST-025

Explores the fundamentals of concrete construction and equipment. Topics include safe use and operation of equipment in concrete mixing, testing, rebar use, concrete forms, layout, and finishing.

CONST 101 INTRODUCTION TO CONSTRUCTION AND CONSTRUCTION ENGINEERING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Provides a comprehensive introduction to the construction industry and the building design process, highlighting the roles and responsibilities of key stakeholders. Explores foundational concepts, industry dynamics, and career pathways, offering insights into the collaboration required for successful construction projects.

CONST 102 CONSTRUCTION MANAGEMENT PRINCIPLES

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces construction management principles, practices, and methods used to produce a quality construction project. Topics include delivery methods, human and contractual relations, project monitoring and control, contract documents, management styles, safety, general project administration, and computer aided construction management.



CONST 103 BLUEPRINT READING FOR CONSTRUCTION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Presents reading, interpreting, analyzing and visualizing construction drawings and specifications prepared by architects and engineers, emphasizing reading and extracting information from detailed drawings for both residential and commercial construction.

CONST 104 THE CONSTRUCTION PROCESS - PLANNING AND SCHEDULING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces the fundamental concepts used in planning, scheduling and controlling construction projects including software applications. Introduces diagrams, precedence networks, resources, time assignment and computations, the Critical Path Method (CPM), monitoring and updating.

CONST 105 CONSTRUCTION ESTIMATING PRINCIPLES

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: CONST-103

Introduces methods and practices related to construction estimating including quantities and costs of materials, labor and management as well as miscellaneous items related to construction costs. Course requires print reading knowledge and introduces basic scheduling concepts in relation to estimating. May include computer program applications.

CONST 106 SURVEY OF CONSTRUCTION CONTRACTS AND LAWS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces the basics of construction contracts including typical contract terms and conditions and formation, administration and interpretation of contracts. Introduces laws and regulations applying to construction including license laws for contractors and design professionals, mechanics liens, stop notices, labor regulations, safety and CalOSHA, SWPPP and environmental issues.

CONST 108 INTRODUCTION TO CONSTRUCTION INSPECTION AND CODES

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: CONST-103

Introduces the function, responsibilities, authority and technical requirements of quality assurance of construction projects using California's building codes as a basis.

CONST 109 CALIFORNIA BUILDING CODE

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: CONST-108

Focuses on California building code requirements for residential and non-residential construction as they pertain to the building inspection process.

CONST 120 CALIFORNIA MECHANICAL CODE

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: CONST-108

Introduces the Uniform Mechanical Code as it applies to construction and maintenance of buildings regulated by this code.

CONST 122 PLUMBING SYSTEMS AND THE PLUMBING CODE

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: CONST-108

Introduces plumbing systems used in buildings and other construction projects including systems for water, waste, storm water, fuel gas, medical gas and vacuum, sewage disposal, water reuse and reclaimed water. Surveys the plumbing code requirements for each of these systems.

CONST 124 CALIFORNIA ELECTRICAL CODE

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: CONST-108

Introduces the California Electrical Code, including provisions of the Code, interpretation of construction documents, construction procedures, and inspection procedures.

COUNSELING

Certificate of Specialization: Pre-Counseling

The counseling and guidance field is growing and more counselors are needed in both education and mental health. The Pre-Counseling Certificate is designed to help students develop professional competencies in preparation for graduate-level studies. This certificate will have some of the prerequisites required for further studies and is a good introduction to the counseling and guidance professions.

Certificate Student Learning Outcome:
Students will be able to evaluate behavior and mental processes, counseling concepts, theoretical perspectives, empirical findings, and historical trends in the counseling profession.

Program Requirements:
Units Required: 13-14

		Units:
COUNS-200	Survey of the Counseling Profession	3.0
PSYC-240	Abnormal Psychology	3.0
	Plus one course from the following:	
ECE-101	Child Growth and Development	3.0
ECE-102	Child, Family, and Community	3.0
PSYC-172	Developmental Psychology	3.0
PSYC-172H	Developmental Psychology – Honors	3.0
	Plus one course from the following:	
ECON-291	Statistical Methods in Business and Economics	4.0
PSYC-104	Statistics for the Behavioral Sciences	4.0
SOCI-137	Statistics for the Social Sciences	4.0
STAT-C1000	Introduction to Statistics	4.0
STAT-C1000E	Introduction to Statistics	5.0
STAT-C1000H	Introduction to Statistics – Honors	4.0
	Recommended Electives:	
ECE-160	Understanding & Education of Exceptional Children	3.0

COUNS 100 SUCCESS STRATEGIES FOR THE REENTRY ADULT

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Introduces adult reentry students to the educational, psychological, intellectual, social and health-related factors that impact lifelong learning, well-being and success. Topics include motivation, self-discovery and self-efficacy, critical and creative thinking, effective study strategies, learning styles, health & wellness issues and lifestyle choices, effective written and oral communication, cross-cultural communication, time and stress management strategies, career exploration and educational and life planning.



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COUNS 110 CAREER/LIFE PLANNING

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Introduces self-assessment tools to identify college majors and careers by clarifying interests, skills, values, and personality type. Students also examine the decision-making process, self-management, life roles and goal-setting. Includes a review of labor market trends, career research, interviewing skills, resume and cover letter writing and job search strategies.

COUNS 111 INTRODUCTION TO COLLEGE AND STRATEGIES FOR SUCCESS

Units: 1.00 (1.00 unit lecture)

CSU 18.00 hours lecture

Provides students with the skills necessary to increase success in college. Topics include: college culture, goal setting, time management, study strategies, college services/resources and educational planning.

COUNS 120 UNIVERSITY TRANSFER PLANNING

Units: 1.00 (1.00 unit lecture)

CSU 18.00 hours lecture

Introduces students to information and resources in order to facilitate a smooth transfer to four-year colleges and universities. Topics include transfer applications, major and general education requirements, financial aid/scholarships, private and out of state options, and analysis of factors involved in the selection of transfer schools.

COUNS 142 LEARNING TO LEARN

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Focuses on basic brain anatomy and how it impacts memory, information processing, and learning. Students will apply brain-based learning study strategies to promote self-regulation. Topics include discovering sources of motivation, identifying locus of control, formulating learning goals, improving critical thinking skills and emotional intelligence, and developing a growth mindset. Students will combine theory and metacognitive practices to become successful learners. UC credit limitation: COUNS-142 and COUNS-150 combined: maximum credit, 3 semester units..

COUNS 150 STUDENT SUCCESS

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Introduces the student to the benefits of higher education, educational planning, goal setting and career exploration. Integrates personal growth, critical thinking, problem solving, and academic success. The student is guided through the process of self-discovery which emphasizes the importance of self-awareness, self-responsibility and self-empowerment. UC credit limitation: COUNS-142 and COUNS-150 combined: maximum credit, 3 semester units.

COUNS 200 SURVEY OF THE COUNSELING PROFESSION

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Surveys the profession of counseling and guidance by examining the different approaches to counseling in various specialties and settings. Students will develop competencies for the profession by exploring an integrated approach to counseling, which includes the utilization of basic helping skills, theories, case studies, current counseling trends, as well as legal and ethical issues

CULINARY ARTS

Associate in Arts Degree and Certificate of Achievement: Culinary Arts

The Culinary Arts program is designed to prepare students for careers in the culinary field. The design of the program is balanced between developing the culinary tactile skills of food preparation and the management qualities necessary for career growth. The program will focus on cooking skills development, problem solving, and challenging students to critically evaluate the strengths and weaknesses of culinary operations and identify entrepreneurial approaches to operations.

Degree and Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the food industry.

Program Requirements:

Units Required: 35.5 - 37

		Units
CULARTS-050	Knife Skills	2.0
CULARTS-110	Culinary Safety and Sanitation	2.0
CULARTS-121	Culinary Fundamentals I	3.0
CULARTS-123	Culinary Fundamentals II	3.0
CULARTS-125	Principles of Garde Manger I	3.0
CULARTS-127	Principles of Baking I	3.0
CULARTS-132	Culinary Fundamentals III	3.0
CULARTS-134	ICUE Café Production I	4.0
CULARTS-135	Catering	4.0
CULARTS-136	ICUE Front of House Service	3.0
CULARTS-150	Food Service Costs and Controls	2.0

Plus one course from the following:

CULARTS-126	Principles of Garde Manger II	3.0
CULARTS-128	Principles of Baking II	3.0
CULARTS-133	International Cuisine	2.5
CULARTS-138	ICUE Café Production II	4.0

Plus a minimum of one unit from the following:

WE-186CULA	Work Experience Education Culinary Arts	1.0 – 4.0

Certificate of Achievement: Baking and Pastry

The Culinary Arts Baking and Pastry Certificate of Specialization is designed for those interested in professional baking. It includes comprehensive study with an emphasis on application of fundamental baking techniques and ingredients. Program completers are prepared for entry level employment as bread bakers, pastry cooks, cake decorators or confectioners.

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the baking industry.

Program Requirements:

Units Required: 16

		Units
CULARTS-127	Principles of Baking	3.0
CULARTS-128	Principles of Baking II	3.0
CULARTS-129	Cake Decorating Essentials	3.0
CULARTS-130	Pastry Art	3.0
CULARTS-131	Chocolates	3.0

Plus a minimum of one unit from the following:

WE-186BAKE	Work Experience Education Baking and Pastry	1.0 – 4.0

Recommended Electives:

CULARTS-139	Advanced Cake Decorating	3.0

CULARTS 050 KNIFE SKILLS

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
18.00 hours lecture, 54.00 hours lab
Co-requisite: CULARTS-110

Introduces basic knife skills, equipment knowledge, including theory and proper technique, emphasizing correct sanitation practices and good motor skills. Students will develop basic cooking techniques.

CULARTS 110 CULINARY SAFETY AND SANITATION

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Introduces principles of food safety and sanitation in a food service operation. Topics include sanitation regulations, personal hygiene, contamination sources, microorganisms, proper food handling, individual operations, foodborne illnesses, Hazard Analysis Critical Control Points (HACCP), techniques and storage, comprehensive cleaning and sanitizing, and workplace safety concepts.

CULARTS 121 CULINARY FUNDAMENTALS I

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID HOSP 160X
Prerequisite: CULARTS-050 and CULARTS-110

Introduces classical cooking and current theories to provide students with the basics of food chemistry and cooking techniques as well as equipment, ingredients and basic professional cooking techniques. Field trips may be required.

CULARTS 123 CULINARY FUNDAMENTALS II

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
Prerequisite: CULARTS-050, CULARTS-110 and CULARTS-121

Continues development of skills learned in CULARTS-121. Introduces intermediate level culinary techniques and modern cooking styles, emphasizing beef, poultry, fish and shellfish, pork and game cooking techniques. Plate presentation theory and practice explored. Field trips may be required.

CULARTS 125 PRINCIPLES OF GARDE MANGER I

Units: 3.00 (1.50 units lecture, 1.50 units lab)
CSU 27.00 hours lecture, 81.00 hours lab
Prerequisite: CULARTS-050, CULARTS-110 and CULARTS-121

Introduces theory and practical skills needed to produce quality salads, sandwiches, appetizers and cold sauces for a restaurant pantry station. Also includes identification and production of cheese and fruit displays. Field trips may be required.

CULARTS 126 PRINCIPLES OF GARDE MANGER II

Units: 3.00 (1.50 units lecture, 1.50 units lab)
CSU 27.00 hours lecture, 81.00 hours lab
Prerequisite: CULARTS-125

Using current guidelines and modern approaches, students will explore the advanced techniques and preserving methods of forcemeats, pates, galantines, fruits, vegetables, and savory mousse as well as learn to prepare pickles, brines, cured meats, and other fermented accompaniments.

CULARTS 127 PRINCIPLES OF BAKING I

Units: 3.00 (1.50 units lecture, 1.50 units lab)
CSU 27.00 hours lecture, 81.00 hours lab
C-ID HOSP 180X
Co-requisite: CULARTS-110

Introduces the principles of baking, including the basic characteristics and function of the major ingredients and the importance of accurately measuring weight. Field trips may be required.

CULARTS 128 PRINCIPLES OF BAKING II
Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
Prerequisite: CULARTS-127
Presents the advanced preparation of refined pastries and desserts, including the theory and practical skills required to produce quality pastries for the hotel/ restaurant/catering industries. Field trips may be required.

CULARTS 129 CAKE DECORATING ESSENTIALS
Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
Prerequisites: CULARTS-110 and CULARTS-127
Presents fundamentals of the American and European style of cake decoration. Commercial culinary practices that will be included are: utilization of equipment, procedures of cake production, coloring techniques, cake design and construction, borders, and icings. Field trips may be required.

CULARTS 130 PASTRY ART
Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
Prerequisite: CULARTS-128
Recommended Co-requisite: CUALRTS-129
Introduces culinary techniques to prepare industry standard individual plated desserts and their components. Includes working with pulled sugar, garnishing preparation and preparation of frozen desserts. Field trips may be required.

CULARTS 131 CHOCOLATES
Units: 3.00 (1.50 units lecture, 1.50 units lab)
CSU 27.00 hours lecture, 81.00 hours lab
Prerequisite: CULARTS-128
Introduces fundamental techniques in chocolate production including candies, confections and desserts. Field trips may be required.

CULARTS 132 CULINARY
FUNDAMENTALS III
Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
Prerequisite: CULARTS-123
Presents advanced theory in culinary techniques and modern cooking styles, including breakfast and brunch cookery, vegetarian dishes and menu design. Field trips may be required.

CULARTS 133 INTERNATIONAL CUISINE
Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab
Prerequisite: CULARTS-123
Introduces the skills necessary to prepare international foods including traditional methods of preparation and the cultural influences on each dish; promotes an appreciation of international foods and culture. Field trips may be required.

CULARTS 134 ICUE CAFE PRODUCTION I
Units: 4.00 (2.00 units lecture, 2.00 units lab)
CSU 36.00 hours lecture, 108.00 hours lab
Prerequisite: CULARTS-123
Provides fundamentals of commercial food preparation and restaurant operations. Students rotate through stations of a student run café for lunch, developing food preparation skills and hands-on experience. Field trips may be required.

CULARTS 135 CATERING
Units: 4.00 (2.50 units lecture, 1.50 units lab)
CSU 45.00 hours lecture, 81.00 hours lab
Prerequisite: CULARTS-121
Presents practical training for chefs in all aspects of catering including food service, staff and management. Field trips may be required.

CULARTS 136 ICUE FRONT OF HOUSE SERVICE
Units: 3.00 (1.50 units lecture, 1.50 units lab)
CSU 27.00 hours lecture, 81.00 hours lab
Prerequisite: CULARTS-121
Presents practical training for chefs in all aspects of service for the front of the house. Field trips may be required.

CULARTS 138 ICUE CAFE PRODUCTION II
Units: 4.00 (2.00 units lecture, 2.00 units lab)
CSU 36.00 hours lecture, 108.00 hours lab
Prerequisite: CULARTS-123
Provides fundamentals of commercial food preparation and restaurant operations. Students rotate through stations of a student-run cafe, developing food preparation skills and hands on experience. Field trips may be required.

CULARTS 139 ADVANCED CAKE DECORATING
Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
Prerequisites: CULARTS-129
Learn advanced techniques in American and European styles of cake production, procedures, and design for a professional bake shop kitchen. Other commercial culinary practices that will be learned include advanced design transfer, elaborate cake construction, piping, and sculpting.

CULARTS 150 FOOD SERVICE COSTS AND CONTROLS
Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture
Recommended Preparation: CULARTS-121
Examines food, beverage, and labor costs and the application of appropriate cost controls.

CYBERSECURITY

Associate in Science Degree: Cybersecurity

The Network Technology Department's Cybersecurity Associate program will prepare students to support the critical need for workforce development and for a career in cybersecurity. This program is meant as multi-modal, real-world focused and comprised of hands-on courseware to teach cybersecurity fundamentals, ethical hacking practices, defensive countermeasures, digital forensics as well as the development of enterprise-level programs and policies.

The Cybersecurity AS is designed to align with industry standard certifications (CompTIA: A+, Network+, Linux+, CSA+, CCNA: CyberOps, Certified Ethical Hacker (CEH)). Additionally, course work will map to industry standard compliance: NSA DHA CAE Knowledge Units and align to NIST/NICE frameworks.

Degree Student Learning Outcome:

Students will be able to:

— Demonstrate foundational knowledge of computer hardware and operating systems for the purposes of digital security-oriented careers.

— Demonstrate foundational and intermediate knowledge of networks and infrastructure for the purposes of digital security-oriented careers.

Program Requirements:

Units required: 30

		Units:
CYBR-111	Cybersecurity Programs & Policies	3.0
CYBR-241	Ethical Hacking and Penetration Testing	3.0
CYBR-251	Network Defense & Countermeasures	3.0
CYBR-260	Cybersecurity Operations & Digital Forensics	3.0
ESYST-131	IoT – Python Programming	3.0
NETECH-111	Computer Maintenance: A+ Certification Prep	3.0
NETECH-113	Data Center	3.0
NETECH-211	Linux+ Certification Prep	3.0
NETECH-219	Security+ Certification	3.0
Plus three units form the following:		
NETECH-150	Network Fundamentals (CompTIA Network +)	3.0
NETECH-151	CCNA: Introduction to Networks	3.0

CYBR 111 CYBERSECURITY PROGRAMS & POLICIES

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lecture

Prepares students to evaluate and align to national, regional, or sector-specific mandates and frameworks. Additionally, students learn to produce and articulate internal strategies and effective policies, at scale, to organizations and enterprises.

CYBR 241 ETHICAL HACKING AND PENETRATION TESTING

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lectur

Prerequisite: NETECH-151 & NETECH-211

Introduces the concepts, philosophies, and practice of evaluating connected systems' vulnerabilities, leveraging access, and appropriately documenting the audit process.

CYBR 251 NETWORK DEFENSE & COUNTERMEASURES

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lecture

Prerequisite: NETECH-151 & NETECH-211

Examines pro-active defensive practices for hardening hosts and networks against modern attacks and exploitation. In this course, we explore current defensive infrastructure (Firewalls, Intrusion Detection Systems (IDS), Software-Defined Perimeters (SDP), and others) as well as open-source tools, customize scripting, and real-time analytics to defend and respond to internal and external threats and bad actors.

CYBR 260 CYBERSECURITY OPERATIONS & DIGITAL FORENSICS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lectur

Prerequisite: NETECH-211 & CYBR-241

Examines the entire lifecycle of incident response, exfil preparation, data collection, and remediation in the context of cybersecurity operations and forensics. Students learn to analyze, document, and extract sensitive information in scenarios that demand minimal-to-zero digital footprint or disturbance.



DANCE

Associate in Arts Degree: Dance

The Dance Major provides students with the acquisition and knowledge of expressive performing art skills. Dance Appreciation, fundamental and intermediate courses in ballet, modern, jazz, hip-hop, tap, as well as fitness courses of yoga, dance conditioning, Pilates and creative courses in Choreography, Commercial and Entertainment Dance and Dance Production and other departmental dance courses allow students to focus on the historical, cultural, political, scientific and health ramifications of dance as well as the relationship of dance and fitness. Through the Dance Major, students develop creativity, collaborative team building skills, physical and mental confidence, critical thinking skills, self-discipline, and attention to physical health. Upon completion of the program, students have the option to transfer courses to a four year program and or to pursue the myriad of opportunities available in entry level dancer, choreographer, and fitness trainer employment.

Degree Student Learning Outcome:

Students will be able to demonstrate basic literacy in dance technique and physical fitness skills.

Program Requirements:

Units Required: 20

		Units:
DANCE-100	Dance Appreciation	3.0
DANCE-107	Dance Conditioning	1.0
DANCE-108	Pilates	1.0
DANCE-122	Intermediate Modern Dance	1.0
DANCE-132	Intermediate Jazz Dance	1.0
DANCE-135	Beginning Tap Dance	1.0
DANCE-136	Intermediate Tap	1.0
DANCE-141	Beginning Ballet	1.0
DANCE-142	Intermediate Ballet	1.0
DANCE-159	Entertainment and Commercial Dance	2.0
DANCE-161	COC Dance Company Production	3.0
DANCE-170	Beginning Choreography	2.0

Plus two courses from the following:

DANCE-133	Introduction to African Dance	1.0
DANCE-134	Ballroom and Social Dance	1.0
DANCE-137	Flamenco and Spanish Dance	1.0

DANCE 100 DANCE APPRECIATION

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Examines the influences that have historically and culturally shaped dance throughout the world. Non-performance course. Does not satisfy the Physical Education activity requirement for the associate degree.

Field Trip may be required.

DANCE 101 INTRODUCTION TO WORLD DANCE

Units: 1.00 (1.00 unit lab)

UC:CSU 54.00 hours lab

Introduces world dance, focusing on selected dances of world cultures including Asia, Latin America, Australia, New Zealand, Europe and Africa.

DANCE 107 DANCE CONDITIONING

Units: 1.00 (1.00 unit lab)

UC:CSU 54.00 hours lab

Introduces the practice of fundamental conditioning and repatterning techniques to improve dance performance and overall health and fitness. Includes dance exercises for muscle development, strength and flexibility.

DANCE 108 PILATES

Units: 1.00 (1.00 unit lab)

UC:CSU 54.00 hours lab

Introduces and provides instruction in alignment and correctives work based upon principles and exercises developed by Joseph H. Pilates. The course includes mat work and emphasizes conditioning exercises for improved body alignment, gaining strength, flexibility control, coordination and breathing.

DANCE 111 FUNDAMENTALS OF DANCE MOVEMENT

Units: 1.00 (1.00 unit lab)

UC:CSU 54.00 hours lab

Provides movement experiences focusing upon basic ballet, modern, jazz and selected cultural dance styles. Emphasizes recognition of skills and dance vocabulary as they relate to contemporary and traditional dance styles.

DANCE 121 MODERN DANCE FUNDAMENTALS

Units: 1.00 (1.00 unit lab)

UC:CSU 54.00 hours lab

Introduces the basic movements, patterns and styles of modern dance and emphasizes elementary skills and techniques while conferring an appreciation of body structure and movement within the modern dance genre.

DANCE 122 INTERMEDIATE MODERN DANCE

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: DANCE-121

Continues the study of modern dance technique with expanded movement experience. Explores rhythmic structure and patterns, expanded choreographic experiences and a more refined use of music in modern dance composition.

DANCE 130 HIP-HOP DANCE

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces the fundamentals of hip-hop dancing, pop and lock, funk, krumping, free-styling, break dancing and other dances classified as hip-hop styles of dance.

DANCE 131 BEGINNING JAZZ DANCE

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces beginning movement skills in jazz dance technique, emphasizing an understanding and appreciation of jazz as an artistic dance form. Emphasizes alignment of the body, strength, flexibility, simple locomotors patterns and stylistic movements.

DANCE 132 INTERMEDIATE JAZZ DANCE

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: DANCE-131

Develops jazz dance technique at the intermediate level. Emphasizes style and refinement of technical ability. Stresses more complex patterns and combinations to promote fluency in the dance form.

DANCE 133 INTRODUCTION TO AFRICAN DANCE

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces dances from West Africa focusing on the dances performed in Senegal, Guinea, Ghana, and Gambia.

DANCE 134 BALLROOM AND SOCIAL DANCE

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces students to beginning ballroom techniques including salsa, swing, waltz, foxtrot, tango, cha-cha and other selected dances. Dances may vary by semester.

DANCE 135 BEGINNING TAP DANCE

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces the history, development and context of tap dance as practiced and performed in the United States. Focuses upon the foundations and basic steps of tap dance techniques as essential dance practice.

DANCE 136 INTERMEDIATE TAP

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces intermediate level tap skills, syncopated rhythmic combinations and evaluation techniques for the sound and rhythmic accuracy of the taps, which are central to this style of dance.

DANCE 137 FLAMENCO AND SPANISH DANCE

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Presents dance skills and techniques specific to Flamenco Dance and other related folkloric dances of Spain. Practice includes: music, rhythms and accent, instruments and tonal qualities; body carriage and style; steps, patterns and combinations; variations and whole dances. Historical and multi-cultural aspects of flamenco dance and music will be considered, discussed, and embodied.

DANCE 141 BEGINNING BALLET

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces fundamental ballet technique and terminology, general principles of alignment, centering and posture as it relates to ballet. Includes exercises at the barre to develop flexibility, strength, control, coordination and resilience and center practice of port de bras, simple adage and allegro movements.

DANCE 142 INTERMEDIATE BALLET

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: DANCE-141

Develops ballet technique and expanded movement experience at an intermediate level. Exploration of rhythmic structure and patterns, choreographic experiences, and more refined technical level of ballet positioning and movements.

DANCE 159 ENTERTAINMENT AND COMMERCIAL DANCE

Units: 2.00 (2.00 units lab)
CSU 108.00 hours lab

Introduces dance movement techniques for dance concerts and the dance entertainment industry including dance styles for videos, film and television, music, theatre and other commercial applications.



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DANCE 161 COC DANCE COMPANY PRODUCTION

Units: 3.00 (1.00 unit lecture, 2.00 units lab)

UC:CSU 18.00 hours lecture, 108.00 hours lab

Recommended Preparation: DANCE-111 and Successful Audition.

Utilizing a variety of styles and genres of dance, this course covers the specific focus of being a member of a dance ensemble. Students learn choreography repertoire created by students, faculty and guest artists through rehearsal and performance. The course culminates in a performance of the works learned in a formal concert environment. Field trips and costume materials may be required.

DANCE 170 BEGINNING CHOREOGRAPHY

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)

UC:CSU 18.00 hours lecture, 54.00 hours lab

Recommended Preparation: DANCE-111

Introduces the theory and techniques of basic dance composition enhanced through the analyses of choreographic exercises in space, time, shape and dynamics. Students apply and perform choreographic concepts in informal and formal settings. Field trips may be required.

DANCE 180 INTRODUCTION TO YOGA

Units: 1.00 (0.50 units lecture, 0.50 units lab)

UC:CSU 9.00 hours lecture, 27.00 hours lab

Introduces students to the beginning practice of yoga. Students learn the practice of yoga postures to aid in improvement of concentration, physical endurance, flexibility, balance, and alignment. The course integrates basic breathing techniques to enhance the mind-body connection, and reduce stress. Students also examine the context of yoga history philosophy and ethics.

DIAGNOSTIC MEDICAL SONOGRAPHY

Associate in Science Degree: Diagnostic Medical Sonography

The Diagnostic Medical Sonography (DMS) program prepares students for entry-level positions in medical sonography through comprehensive training in abdominal, superficial structures, obstetric and gynecologic ultrasound. Through didactic instruction, laboratory training, and hands-on clinical experience, students gain the knowledge, technical skills, and critical thinking abilities required to perform diagnostic imaging across multiple specialties. Graduates will be academically prepared to pursue eligibility for the ARRT (American Registry of Radiologic Technologists) and/or ARDMS (American Registry for Diagnostic Medical Sonography) certification exams.

Eligibility for enrollment in this program is determined by a special admission procedure. Interested students should review the steps for program admission on the College of the Canyons Diagnostic Medical Sonography website. **www.canyons.edu/academics/dms/**

Degree Student Learning Outcome:

Students will be able to demonstrate cognitive knowledge, psychomotor skills, and ethical patient care for diverse populations as competent entry-level sonographers in Abdominal Sonography and Obstetrics and Gynecology concentrations.

Program Requirements:

Units Required: 49.50

		Units:
DMS-101	Patient Care Techniques for Sonographers	2.0
DMS-102	Sectional Anatomy for Sonographers	2.0
DMS-110	Abdominal Sonography with Lab	6.0
DMS-115	Vascular Sonography I: Introduction to Venous Systems with Lab	3.0
DMS-120	Obstetric and Gynecologic Sonography with Lab	6.0
DMS-125	Vascular Sonography II: Introduction to Arterial Systems with Lab	3.0
DMS-130	Ultrasound Physics and Instrumentation	4.0
DMS-200	Advanced Sonographic Practices with Lab	2.0
DMS-240	Sonography Clinical Education I	7.0
DMS-250	Sonography Clinical Education II	3.5
DMS-260	Sonography Clinical Education III	9.0
DMS-270	Registry Review	2.0

DMS 101 PATIENT CARE TECHNIQUES FOR SONOGRAPHERS

Units: 2.00 (2.00 units lecture)

CSU 36.00 hours lecture

Introduces fundamental patient care techniques for sonographers, emphasizing effective communication, safety protocols, infection control, and ethical and legal responsibilities. Students learn to address patients' physical and emotional needs during sonographic procedures, providing care for diverse populations, including pediatric, geriatric, and obstetric patients. This course prepares students for real-world patient care scenarios in clinical practice. Admission to the Diagnostic Medical Sonography program is required.

DMS 102 SECTIONAL ANATOMY FOR SONOGRAPHERS

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Provides a detailed study of human cross-sectional anatomy for diagnostic medical sonography. Students explore anatomical structures in sagittal, coronal, and transverse planes, focusing on the abdomen, pelvis, thorax, and extremities. Emphasis is placed on understanding the relationships between organs, tissues, muscles, and vessels, and how these appear in sonographic images. By correlating anatomy with imaging, students prepare for accurate image acquisition and interpretation in clinical practice. Admission to the Diagnostic Medical Sonography program is required.

DMS 110 ABDOMINAL SONOGRAPHY WITH LAB

Units: 6.00 (4.00 units lecture, 2.00 units lab)
CSU 72.00 hours lecture, 108.00 hours lab

Examines the anatomy, physiology, and pathology of abdominal organs and superficial structures as seen through diagnostic sonography. Students learn to identify normal and abnormal sonographic appearances, optimize image acquisition, and apply scanning techniques. Emphasis is placed on interpreting images of the liver, gallbladder, pancreas, spleen, kidneys, thyroid, scrotum, and vascular structures. Hands-on labs provide practical experience with real-time ultrasound equipment, refining scanning techniques, scan time, patient positioning, and transducer selection for standard abdominal protocols. Admission to the Diagnostic Medical Sonography program is required.

DMS 115 VASCULAR SONOGRAPHY I: INTRODUCTION TO VENOUS SYSTEMS WITH LAB

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Provides exploration of sonographic evaluations of the venous system, emphasizing Doppler techniques applied to the venous systems of both the upper and lower extremities. The curriculum covers essential topics such as the normal anatomy of veins, hemodynamic principles, and common venous pathologies including deep vein thrombosis (DVT), venous insufficiency, and varicosities. Laboratory sessions offer practical experience in venous Doppler scanning, focusing on techniques for optimizing images, scan time, and recognizing pathological conditions. Admission to the Diagnostic Medical Sonography program is required.

DMS 120 OBSTETRIC AND GYNECOLOGIC SONOGRAPHY WITH LAB

Units: 6.00 (4.00 units lecture, 2.00 units lab)
CSU 72.00 hours lecture, 108.00 hours lab

Prerequisite: DMS-102

Examines the anatomy, physiology, and pathology of the female reproductive system and fetal development as seen through diagnostic sonography. Students learn to identify anatomical variations, sonographic appearances, and pathologies, applying sonographic techniques for obstetric and gynecological exams. This includes assessing fetal gestational age, anatomy, and pathology, along with associated maternal conditions. The course covers clinical symptoms, sonographic appearances, scanning techniques and protocols, and timed lab tests. Hands-on labs provide practical experience with real-time ultrasound equipment, refining scanning techniques, patient positioning, and transducer selection for standard pelvic exams. Admission to the Diagnostic Medical Sonography program is required.

DMS 125 VASCULAR SONOGRAPHY II: INTRODUCTION TO ARTERIAL SYSTEMS WITH LAB

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: DMS-115

Introduces sonographic evaluation of the arterial system, focusing on carotid and peripheral arterial imaging. Students learn standard arterial anatomy, hemodynamics, and Doppler principles. Emphasis is placed on identifying normal anatomy, blood flow, and common pathologies. Hands-on labs incorporate timed carotid and arterial scanning skills, including basic Doppler waveform analysis. Admission to the Diagnostic Medical Sonography program is required.

DMS 130 ULTRASOUND PHYSICS AND INSTRUMENTATION

Units: 4.00 (4.00 units lecture)
CSU 72.00 hours lecture

Provides a comprehensive exploration of the fundamental principles of ultrasound physics as applied to diagnostic medical sonography and focuses on developing an understanding of sound wave propagation, transducer technology, the Doppler effect, image formation, and artifacts. Students will analyze key topics such as sound-tissue interaction, attenuation, resolution, bioeffects, and quality assurance in ultrasound imaging. Through a structured approach, students will apply concepts, analyze relationships between physical principles and clinical practices, and evaluate ultrasound images and quality assurance methods. This course is essential for building the technical foundation required to perform and interpret sonographic exams. Admission to the Diagnostic Medical Sonography program is required.

DMS 200 ADVANCED SONOGRAPHIC PRACTICES WITH LAB

Units: 2.00 (1.00 unit lecture, 1.00 units lab)
CSU 18.00 hours lecture, 54.00 hours lab

Prerequisite: DMS-110, 120, 130

Explores advanced topics and scanning practices in diagnostic medical sonography. Students will demonstrate an in-depth understanding of advanced sonographic scanning techniques for Abdomen and Superficial Structures, Obstetrics and Gynecology, and Pediatrics. Emphasis will be placed on refining and optimizing both routine and complex protocols, enhancing image acquisition techniques, and increasing scanning speed and accuracy. Students will also apply critical thinking to improve diagnostic skills and clinical efficiency. Extensive hands-on experience with advanced scanning protocols will help students synthesize didactic and clinical knowledge to improve clinical outcomes. This course is essential for evaluating and enhancing the skills required for a positive clinical experience. Admission to the Diagnostic Medical Sonography program is required.

DMS 240 SONOGRAPHY CLINICAL EDUCATION I

Units: 7.00 (7.00 units lab)
CSU 378.00 hours lab

Prerequisite: DMS-110, 115, 120

Introduces students to the clinical environment, focusing on departmental organization, patient flow, and PACS (Picture Archiving and Communication Systems) procedures to meet accreditation competency requirements. Students observe clinical sonographic techniques, engage in hands-on scanning, and practice fundamental protocols in the abdomen and superficial structures, obstetrics and gynecology, and vascular imaging. The course integrates patient communication, cultural competency, patient care protocols, and compliance with Health Insurance Portability and Accountability Act (HIPAA) regulations. This is the first course in the three-part clinical education sequence. Admission to the Diagnostic Medical Sonography program is required.



DMS 250 SONOGRAPHY CLINICAL EDUCATION II

Units: 3.50 (3.50 units lab)
CSU 189.00 hours lab

Prerequisite: DMS-240

Provides continued clinical education, allowing students to perform sonographic examinations with increased autonomy under clinical instructor supervision to meet accreditation competency requirements. Students refine scanning techniques in the abdomen and superficial structures, obstetrics and gynecology, and vascular imaging while enhancing image quality, efficiency, and diagnostic accuracy. The course focuses on patient care, clinical workflow, image acquisition, and diagnostic interpretation. This is the second course in the three-part clinical education sequence. Admission to the Diagnostic Medical Sonography program is required.

DMS 260 SONOGRAPHY CLINICAL EDUCATION III

Units: 9.00 (9.00 units lab)
CSU 486.00 hours lab

Prerequisite: DMS-250

Provides continued clinical education, allowing students to enhance their experience in developing sonographic scanning competency under clinical supervision. Students refine exam techniques, working towards independent competency and accreditation requirements. The focus is on abdomen & superficial structures, obstetrics & gynecology, and vascular protocols. Students integrate patient care and utilize clinical tools like Picture Archiving and Communication System (PACS), enhancing their practical application of sonographic procedures. This is the third course in the three-part clinical education sequence. Admission to the Diagnostic Medical Sonography program is required.

DMS 270 REGISTRY REVIEW

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Prerequisite: DMS-250

Provides comprehensive reviews of program presented sonography material, preparing students for ARDMS (American Registry for Diagnostic Medical Sonography) and ARRT (American Registry of Radiologic Technologists) registry exams in Abdomen/Superficial Structures and Obstetrics/Gynecology. Topics include on key concepts, test-taking strategies, and the application of clinical and didactic knowledge to case studies and practice exams. Students reinforce their understanding through targeted review, focusing on essential topics for successful certification. Admission to the Diagnostic Medical Sonography program is required.

DRAFTING

Certificate of Specialization: Mechanical Drafting

The Drafting program is designed to prepare students for careers in industry as drafters or related occupations. Engineers require drafting skills, as do architects and designers. The techniques of drafting are used in many types of industries such as automotive, electronics, building construction, aeronautical/ aerospace, machine design, advertising, illustrating and engineering. The program provides students with entry-level skills and knowledge in the fields of computer mechanical drafting. Competencies include knowledge of orthographic projection and isometric sketching, AutoCAD generated drawings, current practices in construction technology, 2D and 3D drawings and drafting techniques such as clarity, line weight expression and accuracy to name a few.

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for a drafting position in the civil, electrical, electronic or mechanical engineering fields.

Program Requirements:

Units Required: 9

		Units
ENGR-110	Introduction to AutoCAD	3.0
ENGR-114	Solids Modeling for Mechanical Drafting	3.0

Plus three units from the following:

MFGT-121	CNC 1: Operation and Manual Programming	3.0
MFGT-131	CAD/CAM I	3.0



EARLY CHILDHOOD EDUCATION

The Early Childhood Education (ECE) degree and certificate programs give students the opportunity to prepare for careers in the field of early childhood education and/or transfer to a four-year university. Education and training prepares students for entry into a variety of careers in the field. The field of early childhood education needs trained, creative educators to provide high quality services to children and families in a variety of settings.

Associate in Science for Transfer Degree: Early Childhood Education

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AS-T in Early Childhood Education. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to:

— Demonstrate knowledge of a variety of types of programs for young children, the history

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of early care and education in the United States, ethical standards, NAEYC professional preparation standards, and the California Early Childhood Educator Competencies which support professionalism in the field of early childhood education.

— Design and implement environments and curriculum which support positive development and learning through play for all children including the cycle of observation, assessment and planning.

— Articulate an understanding of typical and atypical development of young children from birth - 8, including health, safety, and nutritional aspects of development.

— Develop strategies that promote partnerships and equity between programs, teachers, diverse families and their communities.

Program Requirements:

Units Required: 24

		Units
ECE-100	Principles and Practices of Early Childhood Education	3.0
ECE-101	Child Growth and Development	3.0
ECE-102	Child, Family, and Community	3.0
ECE-103	Observation and Assessment	3.0
ECE-104	Introduction to Curriculum for Early Childhood Education	3.0
ECE-105	Health, Safety, Nutrition in Early Childhood Education	3.0
ECE-106	The Role of Equity and Diversity in Early Childhood Education	3.0
ECE-200	Practicum – Field Experience	3.0

Certificate of Achievement: Early Childhood Education - Infant/Toddler

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment as an infant/toddler teacher in a Title 22 licensed center in the field of early childhood.

Program Requirements:

Units Required: 24

		Units
ECE-100	Principles and Practices of Early Childhood Education	3.0
ECE-101	Child Growth and Development	3.0
ECE-102	Child, Family, and Community	3.0
ECE-103	Observation and Assessment	3.0
ECE-104	Introduction to Curriculum for Early Childhood Education	3.0
ECE-105	Health, Safety, Nutrition in Early Childhood Education	3.0
ECE-130	Infant/Toddler Development Curriculum	3.0
ECE-200	Practicum – Field Experience	3.0

Certificate of Achievement: Early Childhood Education – Preschool

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment as an early childhood master teacher in a Title 5 program.

Program Requirements:

Units Required: 24

		Units
ECE-100	Principles and Practices of Early Childhood Education	3.0
ECE-101	Child Growth and Development	3.0
ECE-102	Child, Family, and Community	3.0
ECE-103	Observation and Assessment	3.0
ECE-104	Introduction to Curriculum for Early Childhood Education	3.0
ECE-105	Health, Safety, Nutrition in Early Childhood Education	3.0
ECE-106	The Role of Equity and Diversity in Early Childhood Education	3.0
ECE-200	Practicum – Field Experience	3.0

Certificate of Achievement: Early Childhood Education - School-Age

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment as a school-age teacher in a Title 22 licensed center in the field of early childhood.

Program Requirements:

Units Required: 27

		Units
ECE-100	Principles and Practices of Early Childhood Education	3.0
ECE-101	Child Growth and Development	3.0
ECE-102	Child, Family, and Community	3.0
ECE-103	Observation and Assessment	3.0
ECE-104	Introduction to Curriculum for Early Childhood Education	3.0
ECE-135	School Age Child Care Programs and Curriculum	3.0
ECE-140	Curriculum for School-Age Child Care	3.0
ECE-105	Health, Safety, Nutrition in Early Childhood Education	3.0
ECE-200	Practicum – Field Experience	3.0

Certificate of Achievement: Early Childhood Education - Special Education

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment as a special education teacher in a Title 22 licensed center in the field of early childhood.

Program Requirements:

Units Required: 32

		Units
ECE-100	Principles and Practices of Early Childhood Education	3.0
ECE-101	Child Growth and Development	3.0
ECE-102	Child, Family, and Community	3.0
ECE-104	Introduction to Curriculum for Early Childhood Education	3.0
ECE-105	Health, Safety, Nutrition in Early Childhood Education	3.0
ECE-106	The Role of Equity and Diversity in Early Childhood Education	3.0
ECE-130	Infant/Toddler Development Curriculum	3.0
ECE-144	Music and Movement for the Young Child	2.0
ECE-151	Art and Creativity for Young Children	2.0
ECE-155	Science and Math for the Young Child	2.0
ECE-156	Language & Literacy for the Young Child	2.0
ECE-160	Understanding and Education of Children with Special Needs	3.0

Certificate of Achievement: Early Childhood Education - Supervision and Administration of Children's Programs

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment as a supervisor/administrator in a Title 22 licensed center in the field of early childhood.

Program Requirements:

Units Required: 30

		Units
ECE-100	Principles and Practices of Early Childhood Education	3.0
ECE-101	Child Growth and Development	3.0
ECE-102	Child, Family, and Community	3.0
ECE-103	Observation and Assessment	3.0
ECE-104	Introduction to Curriculum for Early Childhood Education	3.0
ECE-105	Health, Safety, Nutrition in Early Childhood Education	3.0
ECE-200	Practicum – Field Experience	3.0
ECE-201	Supervision and Administration of Children's Programs	3.0
ECE-202	Advanced Supervision and Administration of Children's Programs	3.0
ECE-203	Adult Supervision and the Mentor Process in Early Care and Education	3.0

ECE 100 PRINCIPLES AND PRACTICES OF EARLY CHILDHOOD EDUCATION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID ECE 120

Recommended Preparation: Eligibility for college level English ((ENGL C1000 or ENGL C1000H))

Examines underlying principles of quality practices utilized in early childhood programs emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies to support physical, cognitive and social/emotional development for all children. This course includes a review of the evolution of the field and introduces the profession of early childhood education. Requires a minimum of 10 hours in a pre-approved early childhood setting. Observations/visitations to early childhood programs off campus may be required, which may require a TB test and proof of vaccinations.

ECE 101 CHILD GROWTH AND DEVELOPMENT

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID CDEV 100

Recommended Preparation: Eligibility for college level English ((ENGL C1000 or ENGL C1000H))

Examines the major physical, psycho-social, and cognitive/language developmental milestones of children, both typical and atypical, from conception through adolescence. Emphasizes interactions between maturational processes and environmental factors while studying developmental theory and investigative research methodologies. Observations/visitations to early childhood programs off campus may be required, which may require a TB test and proof of vaccinations.

ECE 102 CHILD, FAMILY, AND COMMUNITY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID CDEV 110

Recommended Preparation: Eligibility for college level English ((ENGL C1000 or ENGL C1000H))

Examines the processes of socialization, focusing on the interrelationship of family, school, and community. Examines the influence of multiple societal contexts. Explores the role of collaboration between family, community, and school in supporting children's identity development. Highlights the importance of respectful, reciprocal relationships that support and empower children and their families. May require TB test and immunization records.

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ECE 103 OBSERVATION AND ASSESSMENT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID ECE 200

Prerequisite: ECE-100

Introduces the appropriate use of assessment and observation tools and strategies to document young children's development and learning. The use of findings to inform and plan learning environments and experiences are emphasized. Recording strategies, rating systems, portfolios, and multiple assessment tools will be discussed, along with strategies for collaboration with families and professionals. Requires 10 hours of observation in a child care setting. Observations/visitations to early childhood programs off campus may be required, which may require a TB test and proof of vaccinations.

ECE 104 INTRODUCTION TO CURRICULUM FOR EARLY CHILDHOOD EDUCATION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID ECE 130

Prerequisite: ECE-100

Presents an overview of the knowledge, skills, and dispositions needed to provide developmentally appropriate curriculum in early childhood education programs serving children 0 - 8. Examines the teacher's role in supporting development and learning, including the essential role of play. planning environments in indoor and outdoor settings, routines, interpersonal tone and curriculum planning, implementation and reflective practice. Requires 5 hours of additional coursework outside of the classroom.

ECE 105 HEALTH, SAFETY, NUTRITION IN EARLY CHILDHOOD EDUCATION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID ECE 220

Introduces the regulations, policies, and procedures for early childhood curriculum related to child health, safety, and nutrition. Explores the importance of collaboration with families and health professionals to ensure physical health, mental health and safety for all children, families, and professionals. May require TB test & immunization records.



ECE 106 THE ROLE OF EQUITY AND DIVERSITY IN EARLY CHILDHOOD EDUCATION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID ECE 230

Examines the historical and current perspectives on diversity and inclusion and the impact of systemic societal influences on children's development, learning and school experiences. Strategies for developmentally appropriate practices - culturally, linguistically appropriate anti-bias curriculum will be explored as well as approaches to promote inclusive and anti-racist classroom communities. Includes self-reflection on the influence of teachers' own culture and life experiences on teaching and interactions with children and families.

ECE 130 INFANT/TODDLER DEVELOPMENT AND CURRICULUM

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
Examines infant and toddler development and analyzes its implications for group child care settings, including principles and philosophies of respectful and inclusive infant and toddler caregiving and curriculum planning. Requires students to complete observations in a group care or family childcare program that provides care for children ages 2 and under. May require TB test and immunization records..

ECE 135 SCHOOL AGE CHILD CARE PROGRAMS AND CURRICULUM

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
Examines the design and quality practices of programs that provide child care for school-age children during out-of-school hours (i.e., before and after school care). Addresses the developmental progression and needs of children ages 4-12 years, building relationships with families, and the curriculum planning process. May require TB test and immunization records..

ECE 140 CURRICULUM FOR SCHOOL-AGE CHILD CARE

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
Focuses on the development and implementation of developmentally appropriate curriculum in school-age care programs. Topics covered include developmental theories, the growth and development of school-age children, appropriate teaching methods and practices for school-age care, supporting indoor and outdoor play, providing positive support for common behaviors of school-age children, and choosing effective materials and activities to support the development of school-age children. Requires observation and implementation of an approved curriculum plan in an approved school-age care program. May require TB test and immunization records.

ECE 144 MUSIC AND MOVEMENT FOR THE YOUNG CHILD

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Emphasizes a basic understanding of how children learn about and through music and movement. Focuses on how to plan and implement developmentally appropriate music and movement experiences for young children.

ECE 151 ART, DRAMA, AND CREATIVITY FOR THE YOUNG CHILD

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Emphasizes a basic understanding of how children learn about and through the visual and dramatic arts. Includes effective techniques to support and promote young children's creativity. Focuses on how to plan and implement developmentally appropriate visual and dramatic art experiences for young children.

ECE 155 SCIENCE AND MATH FOR THE YOUNG CHILD

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Focuses on integrating STEM (Science, Technology, Engineering, and Math) in early childhood settings and curriculum. Young children acquire STEM skills through exploration, inquiry, and active engagement. Topics will include methods for promoting scientific discovery and learning, integrating science and technology, developing mathematical concepts, and facilitating active experimentation and engagement in the early childhood classroom. Students plan and implement developmentally appropriate STEM experiences for young children.

ECE 156 LANGUAGE & LITERACY FOR THE YOUNG CHILD

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Emphasizes a basic understanding of how children learn language and literacy skills, including developing techniques to promote and establish a language and literature-rich program in early childhood settings through the use of flannel board activities, storytelling, puppets, drama, finger plays, singing, children's books, and language play/circle time activities. Includes language and literacy development in multilingual learners.

ECE 160 UNDERSTANDING AND EDUCATION OF CHILDREN WITH SPECIAL NEEDS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces the field of special education, emphasizing the developmental theories as they apply to the understanding and education of children with special needs through age eight. Overview of special needs categories as defined by IDEA, inclusion, and preparation of Individual Education Program (IEP) and Individualized Family Service Plan (IFSP). May require TB test & immunization records.

ECE 200 PRACTICUM – FIELD EXPERIENCE

Units: 3.00 (1.50 units lecture, 1.50 units lab)
CSU 27.00 hours lecture, 81.00 hours lab
C-ID ECE 210

Prerequisite: ECE-100, 101, 102, 103, and 104

Provides guided supervision and application for early childhood education. Focuses on connecting theory to practice and enhancing professional behaviors. Students additionally plan and implement child-centered, play-oriented approaches to teaching, learning, and assessment. Requires 6 hours per week in a pre-approved early childhood program and 1.5 hour per week in lecture. Requires current TB test, Tdap, MMR and influenza vaccine. Mandatory orientation meeting prior to start of semester.

ECE 201 SUPERVISION AND ADMINISTRATION OF CHILDREN'S PROGRAMS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: ECE-100 and ECE-101 and ECE-104

Principles and practices of supervision and administration of children's programs, including Title 22 and Title 5 requirements regarding organizational structure, budgets, personnel policies and practices, record keeping, reporting, community relationships and resources, regulatory agencies and parents. Also reviews social and public policy, as well as professional groups influencing child development today. May require TB test & immunization records.

ECE 202 ADVANCED SUPERVISION AND ADMINISTRATION OF CHILDREN'S PROGRAMS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: ECE-201

Covers effective strategies for personnel management and leadership in early care and education settings. Includes legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. This course meets one of the requirements of the Site Supervisor and Program Director Child Development Permits from the California Commission on Teaching Credentialing.

Continued on the next page.

ECE 203 ADULT SUPERVISION AND THE MENTOR PROCESS IN EARLY CARE AND EDUCATION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: ECE-200

Presents methods and principles of mentoring and supervising student teachers, volunteers, staff, and other adults in early care and education settings. Emphasizes the roles and development of early childhood professionals as mentors and leaders. As a component of course work, this class requires 4 hours of time to complete a live observation using a standard assessment tool. California Commission on Teacher Credentialing requires this course for Master Teacher, Site Supervisor and Program Director Permits Option One. California ECE Mentor Teacher program requires this course in order to apply to the Mentor program. May require TB test & immunization records.

ECONOMICS

Economics study attempts to clarify how the use of natural, technical and financial resources affect the lives of human beings. Economic concerns can range from how individuals and businesses make decisions, to the roles of government and the Federal Reserve, to the complex world of international trade. Economic theories are examined and applied to the modern economic world. Topics of specialization include macroeconomics and microeconomics, how businesses make decisions, business statistics, using numbers for analysis, U.S. economic history, the economic development of the U.S. economic history, the economic development of the U.S. consumer economics, how consumers make economic choices and comparative economic systems, and the comparison of capitalism and socialism as it is applied in different countries. An associate degree is not available in economics.

Associate in Arts for Transfer Degree: Economics

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an “associate degree for transfer”, a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Economics. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

— Students will be able to analyze and evaluate scarcity, the fundamental concept defining economics and be ready to transfer and complete successfully various upper-division academic-degrees, especially in economics, finance and business.

— Students will be able to examine how limited-resources allocations occur throughout markets and government policies by applying and appraising the Classical and Keynesian principles to business fluctuations in terms of economic growth, changes on the average price level and labor employment.

— Students will be able to compare and contrast the decision-making processes of consumers and firms, regarding scarcity, under different levels of competition in the product and resource markets. Students will distinguish and apply the qualifying assumptions of perfect competition, monopoly, monopolistic competition and oligopoly theories.

— Students will be able to acquire the quantitative tools and the historical perspectives to advance awareness of the interdependence between government policies and positive economics.

Program Requirements:
Units Required: 21 – 28

		Units
ECON-C2001	Principles of Microeconomics	3.0
	OR	
ECON-C2001H	Principles of Microeconomics - Honor	3.0
ECON-C2002	Principles of Macroeconomics	3.0
	OR	
ECON-C2002H	Principles of Macroeconomics – Honors	3.0

Plus one course from the following:

ECON-291	Statistical Methods in Business and Economics	4.0
PSYC-104	Statistics for the Behavioral Sciences	4.0
STAT-C1000	Introduction to Statistics	4.0
STAT-C1000E	Introduction to Statistics	5.0
STAT-C1000H	Introduction to Statistics – Honors	4.0

Plus one course from the following:

MATH-211	Calculus I	5.0
MATH-211X	Calculus I with Support	6.0
MATH-240	Calculus for Business and Social Science	5.0
MATH-240X	Calculus for Business and Social Science I with Support	6.0

Plus one course from the following for three to five units:

BUS-201	Principles of Accounting I	5.0
BUS-202	Principles of Accounting II	5.0
CAWT-101	Introduction to Computers	3.0
CAWT-116	Business Communications	3.0
CAWT-140	Microsoft Office	3.0
ENGL-204	Technical Report Writing	3.0
MATH-212	Calculus II	5.0

Plus one course from the following that has not already been used above for three to five units:

BUS-201	Principles of Accounting I	5.0
BUS-202	Principles of Accounting II	5.0
CAWT-101	Introduction to Computers	3.0
CAWT-116	Business Communications	3.0
CAWT-140	Microsoft Office	3.0
ECON-170	Economic History of the United States	3.0
ECON-170H	Economic History of the United States – Honors	3.0
ENGL-204	Technical Report Writing	3.0
MATH-212	Calculus II	5.0
MATH-213	Calculus III	5.0
MATH-214	Linear Algebra	4.0

ECON 170 ECONOMIC HISTORY OF THE UNITED STATES

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys the economic development of the U.S. emphasizing a topical approach, including the development of business cycles, trade, banks in the new nation, manufacturing, tariffs, slavery, big business, labor, government regulation and deregulation leading to a modern industrial nation. Meets Title V American Institutions U.S. History requirement for the associate degree.

ECON 170H ECONOMIC HISTORY OF THE UNITED STATES - HONORS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

Surveys the economic development of the U.S. emphasizing a topical approach, including the development of business cycles, trade, banks in the new nation, manufacturing, tariffs, slavery, big business, labor, government regulation and deregulation leading to a modern industrial nation. Additional reading, writing, critical thinking and research techniques required. Meets Title V American Institutions U.S. History requirement for the associate degree.

ECON C2001 PRINCIPLES OF MICROECONOMICS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ECON 201

Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.

An introductory course using microeconomic models to understand individual decisions by consumers and firms, market outcomes including market failure, elasticity, market structures, labor markets, inequality, and the impact of government policies. Formerly ECON-202.

ECON C2001H PRINCIPLES OF MICROECONOMICS - HONORS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ECON 201

Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.

An introductory course using microeconomic models to understand individual decisions by consumers and firms, market outcomes including market failure, elasticity, market structures, labor markets, inequality, and the impact of government policies. This is an honors course. Additional reading, writing, and research techniques required for the Honors version of this course. Formerly ECON-202H..

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ECON C2002 PRINCIPLES OF MACROECONOMICS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ECON 202

Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.

An introductory course using models of the domestic and international economy to understand national income, unemployment, inflation, economic growth, inequality, the financial system, and monetary, fiscal, and other economic policies. Formerly ECON-201.

ECON C2002H PRINCIPLES OF MACROECONOMICS - HONORS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ECON 202

Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.

An introductory course using models of the domestic and international economy to understand national income, unemployment, inflation, economic growth, inequality, the financial system, and monetary, fiscal, and other economic policies. This is an honors course. Additional reading, writing, and research techniques required for the Honors version of this course. Formerly ECON-201H.

ECON 291 STATISTICAL METHODS IN BUSINESS AND ECONOMICS

Units: 4.00 (3.50 units lecture, 0.50 units lab)
UC:CSU 63.00 hours lecture, 27.00 hours lab

Prerequisite: Completion of Intermediate Algebra or higher math placement

Examines statistical methods, including descriptive statistics, data analysis, probability, elements of probability distributions, sampling, estimation, confidence intervals, tests of hypothesis, linear regression and correlation, including applications to problems in business and economics. Teaches explaining statistical results in writing and using spreadsheet and computer-based statistical software. UC credit limitation: ECON-291, PSYC-104, SOCI-137, STAT-C1000, STAT-C1000E, and STAT-C1000H combined, maximum credit one course.

EDUCATION

EDUC 203 INTRODUCTION TO TEACHING IN A DIVERSE SOCIETY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID EDUC 200

Introduces students to concepts and issues related to teaching diverse learners in contemporary public schools. Topics include teaching as a profession and career, foundations of the American education system, contemporary educational issues, and California's content and teacher performance standards. In addition to class time, this course requires a minimum of 45 hours of structured fieldwork in a college-approved Transitional Kindergarten – 12th grade public school classroom that represents California's diverse student population and includes cooperation with at least one credentialed classroom teacher. CSU credit limitation; consult a counselor. TB test and Livescan may be required.

ELECTRONIC SYSTEMS TECHNOLOGY

The Electronic Systems Technology program trains students for careers in the electrical service industries including data network services, telecommunication services, audio/video service and home security systems.

ESYST 101 BASIC ELECTRONICS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Introduces basic electronics and electronic systems technology.

ESYST 111 ELECTROMECHANICAL SYSTEMS

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
CSU 54.00 hours lecture, 54.00 hours lab

Co-requisite: ESYST-101

Presents the theory and application of mechanical devices and their control circuits, including component recognition, electrical schematic diagrams, hydraulics, pneumatics, AC and DC motors, stepping motors, mechanical drive systems and servomechanisms.

ESYST 112 INDUSTRIAL ROBOTICS
Units: 4.00 (3.00 units lecture, 1.00 unit lab)
CSU 54.00 hours lecture, 54.00 hours lab
Co-requisite: ESYST-101
Presents industrial robotics, including designing, building, operating, and programming. ESYST112 is an introduction to the principles, systems, and applications for industrial robotics or autonomous machines. The technical aspects of industrial robotics are covered from a practical and hands-on approach: Principles of Robotics; Power Supplies and Movement Systems; Sensing and End-of-Arm Tooling; and Control Systems and Maintenance. This includes exploring new evolutions in the industrial robotics field, including coverage of Industry 4.0, the Industrial Internet of Things (IoT), and Light Detection and Ranging (LiDAR).

ESYST 113 INDUSTRIAL CONTROLLERS
Units: 4.00 (3.00 units lecture, 1.00 unit lab)
CSU 54.00 hours lecture, 54.00 hours lab
Co-requisite: ESYST-101
Presents basic control systems for process machines and driven equipment used in industry, including programmable controllers, basic electrical circuits, input devices, output devices, control diagrams and specific programmable controller applications.

ESYST 121 IoT – CONNECTING THINGS
Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
Provides an introduction to the fundamental concepts of the Internet of Things (IoT), focusing on how devices, sensors, and systems connect and communicate. Students will explore key IoT technologies, including networking protocols, wireless communication, cloud integration, and data transmission methods. Through hands-on projects, students will learn to configure and connect IoT devices, collect and analyze sensor data, and implement secure communication strategies. By the end of the course, students will have a foundational understanding of IoT architecture and the skills to design and deploy basic IoT solutions.

ESYST 131 IoT – PYTHON PROGRAMMING
Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
Introduces IoT (Internet of Things) via computer programming using Python, including algorithms, data and control structures, problem solving, and structured and object oriented programming.

EMERGENCY MEDICAL TECHNOLOGIES

Certificate of Specialization: Emergency Medical Technician
Prepares students for certification and employment as an Emergency Medical Technician, including emergency department clinical and ambulance ridealong. Health clearance and background check required prior to start of clinical rotations. Upon successful completion according to the requirements listed in the current EMT program handbook, students are eligible to take the National Registry EMT examination. The course meets the U.S. Department of Transportation (DOT) National EMS Education Standards (DOT HS 811 077A, January 2009) May be repeated if used for legally mandated training.

Admission into the Emergency Medical Technician Program, completion of required accreditation and local prerequisites or equivalent, and compliance with additional accreditation and local legal and medical requirements are required. For information about the requirements and how to apply, please see https://coc.instructure.com/courses/25717.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in EMT skills and knowledge as required by state and local regulations.

Program Requirements:
Units Required: 8.5

		Units:
EMS-101	Emergency Medical Technician	5.0
EMS-101L	Emergency Medical Technician Lab	2.0
EMS-102	Emergency Medical Technician Practicum	1.5
	Recommended elective:	
EMS-100	Emergency Medical Services Foundations	3.0

EMS 100 EMERGENCY MEDICAL SERVICES FOUNDATIONS
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
Prepares students for emergency medical technician courses by providing foundational understanding of human anatomy, physiology, pathophysiology, and pharmacology appropriate for entry to theeEmergency medical services field. This course is strongly recommended as preparation for EMS-101, 101L, and 102

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EMS 101 EMERGENCY MEDICAL TECHNICIAN

Units: 5.00 (5.00 units lecture)
CSU 90.00 hours lecture

Prerequisite: Must be 18 years or older the first day the class meets and have completed an American Heart Association "BLS for the Healthcare Provider" course and present AHA BLS Healthcare Provider card to instructor the first day of class.

Co-Requisite: EMS-101L

Prepares students for certification and employment as an Emergency Medical Technician (EMT). Upon successful completion per current requirements listed in the EMT program handbook, students are eligible to take the National Registry EMT examination. The course meets the U.S. Department of Transportation (DOT) National Emergency Medical Services (EMS) Education Standards (2021) May be repeated if used for legally mandated training. Must be taken concurrently with EMS-101L and EMS-102. Admission to the Emergency Medical Technician program required. Formerly HLHSCI-151.

EMS 101L EMERGENCY MEDICAL TECHNICIAN LAB

Units: 2.00 (2.00 units lab)
CSU 108.00 hours lab

Prerequisite: Must be 18 years or older the first day the class meets and have completed an American Heart Association "BLS for the Healthcare Provider" course and present AHA BLS Healthcare Provider card to instructor the first day of class.

Co-Requisite: EMS-101 & EMS-102

Prepares students for certification and employment as an Emergency Medical Technician (EMT). Upon successful completion per current requirements listed in the EMT program handbook, students are eligible to take the National Registry EMT examination. Laboratory component of EMS-101. The course meets the U.S. Department of Transportation (DOT) National EMS education standards (2021). May be repeated if used for legally mandated training. Must be taken concurrently with EMS-101 and EMS-102. Admission to the Emergency Medical Technician program required. Offered pass/no-pass only. Formerly HLHSCI-151L.

EMS 102 EMERGENCY MEDICAL TECHNICIAN PRACTICUM

Units: 1.50 (1.00 unit lecture, 0.50 units lab)
CSU 18.00 hours lecture, 36.00 hours lab

*Prerequisite: Must be 18 years or older the first day the class meets and have completed an American Heart Association "BLS for the Healthcare Provider" course and present AHA BLS Healthcare Provider card to instructor the first day of class. TB test and physical exam within the last six months. Proof of vaccination for Hepatitis B (or signed waiver), rubeola, rubella, mumps, polio, diphtheria, and tetanus required. Forms available online: **https://coc.instructure.com/courses/25717**. Forms must be completed and submitted to the program director by the deadline provided.*

Co-Requisite: EMS-101

Prepares students with the knowledge and skills necessary to take the National Registry Emergency Medical Technician (EMT) examination for certification and employment as an EMT, including emergency department and ambulance clinical shifts. Health clearance and background check required prior to start of clinical rotations. Upon successful completion per current requirements listed in the EMT program handbook, students are eligible to take the National Registry EMT examination. The course meets the U.S. Department of Transportation (DOT) National EMS Education Standards (2021). May be repeated if used for legally mandated training. Must be taken concurrently with EMS-101 and EMS-101L. Admission to the Emergency Medical Technician program required. Offered pass/no-pass only. Formerly HLHSCI-152.

EMS 103 EMERGENCY MEDICAL TECHNICIAN REFRESHER COURSE

Units: 1.50 (1.35 units lecture, 0.15 units lab)
CSU 24.00 hours lecture, 8.00 hours lab

Recommended Preparation: EMS-101 or current/lapsed EMT Certification

Provides students with a twenty-four (24) hour refresher course and skills verification in accordance with local and state regulations and laws. Formerly HLHSCI-153.

ENGINEERING

Associate in Science Degree: Engineering

The Engineering AS degree is designed to prepare students for transfer into an accredited engineering program at a 4-yr college. The program provides curriculum in the fundamentals of mechanics, electrical theory, and materials that can be applied to all disciplines within engineering. Students develop critical thinking skills, a creative imagination, and excellent communication skills to effectively function in the professional environment.

Career options include: mechanical engineer, civil engineer, electrical engineer, computer engineer, aerospace engineer, biomedical engineer, automotive engineer, and manufacturing engineer.

Degree Student Learning Outcome:
Students will be able to demonstrate transfer level engineering skills including physical and mathematical reasoning, the ability to analyze and evaluate engineering concepts, and the ability to interpret and prepare technical reports.

Program Requirements:
Units Required: 47 – 52

		Units
ENGR-101	Introduction to Engineering	2.0
MATH-211	Calculus I	5.0
	OR	
MATH-211X	Calculus I with Support	6.0
MATH-212	Calculus II	5.0
MATH-213	Calculus III	5.0
MATH-215	Differential Equations	4.0
PHYSIC-220	Physics for Scientists and Engineers: Mechanics of Solids and Fluids	4.0
PHYSIC-221	Physics for Scientists and Engineers: Electricity, Magnetism, and Waves	4.0

Plus completion of one of the following tracks:

Mechanical Engineering Track:

CHEM-201	General Chemistry I	5.0
	OR	
CHEM-201H	General Chemistry I – Honors	5.0
ENGR-110	Introduction to Engineering Graphics with AutoCAD	3.0
	OR	
ENGR-114	Solids Modeling for Mechanical Drafting	3.0
ENGR-151	Materials of Engineering	3.0
ENGR-151L	Materials of Engineering Lab	1.0
ENGR-152	Statics	3.0
ENGR-220	Programming and Problem-Solving in MATLAB	3.0
ENGR-260	Electrical Circuits I	3.0
ENGR-260L	Electrical Circuits I Laboratory	1.0

Civil Engineering Track:

CHEM-201	General Chemistry I	5.0
	OR	
CHEM-201H	General Chemistry I – Honors	5.0
ENGR-110	Introduction to Engineering Graphics with AutoCAD	3.0
	OR	
ENGR-114	Solids Modeling for Mechanical Drafting	3.0
ENGR-151	Materials of Engineering	3.0
ENGR-151L	Materials of Engineering Lab	1.0
ENGR-152	Statics	3.0
ENGR-220	Programming and Problem-Solving in MATLAB	3.0
ENGR-260	Electrical Circuits I	3.0
	AND	
ENGR-260L	Electrical Circuits I Laboratory	1.0
	OR	
SURV-101A	Introduction to Land Surveying	3.0
	AND	
SURV-101L	Introduction to Land Surveying Laboratory	1.0

Electrical Engineering Track:

CHEM-201	General Chemistry I	5.0
	OR	
CHEM-201H	General Chemistry I – Honors	5.0
CMPSCI-111	Introduction to Algorithms and Programming/Java	3.0
CMPSCI-111L	Introduction to Algorithms and Programming Lab	1.0
CMPSCI-235	'C' Programming	3.0
ENGR-220	Programming and Problem-Solving in MATLAB	3.0
ENGR-260	Electrical Circuits I	3.0
ENGR-260L	Electrical Circuits I Laboratory	1.0

Computer Engineering Track:

CMPSCI-111	Introduction to Algorithms and Programming/Java	3.0
CMPSCI-111L	Introduction to Algorithms and Programming Lab	1.0
CMPSCI-182	Data Structures and Program Design	3.0
CMPSCI-182L	Data Structures and Program Design Lab	1.0
CMPSCI-235	'C' Programming	3.0
CMPSCI-256	Discrete Structures	3.0
ENGR-260	Electrical Circuits I	3.0
ENGR-260L	Electrical Circuits I Laboratory	1.0

ENGR 101 INTRODUCTION TO ENGINEERING

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab
C-ID ENGR 110

Explores the branches of engineering, the functions of an engineer, and the industries in which engineers work. Explains the engineering education pathways and explores effective strategies for students to reach their full academic potential. Presents an introduction to the methods and tools of engineering problem solving and design including the interface of the engineer with society and engineering ethics. Develops communication skills pertinent to the engineering profession.

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ENGR 110 INTRODUCTION TO ENGINEERING GRAPHICS WITH AUTOCAD

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
UC:CSU 36.00 hours lecture, 54.00 hours lab
C-ID ENGR 150 for ENGR-110 + ENGR-114

Prerequisite: MATH-102, MATH-102X, or higher math placement

Covers the principles of engineering drawings in visually communicating engineering designs and an introduction to computer-aided design (CAD). Topics include the development of visualization skills; orthographic projections; mechanical dimensioning and tolerancing practices; and the engineering design process. Assignments develop sketching and 2D and 3D CAD skills. The use of CAD software is an integral part of the course.

ENGR 114 SOLIDS MODELING FOR MECHANICAL DRAFTING

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID ENGR 150 for ENGR-110 + ENGR-114

Introduces the computer aided aspects of mechanical design and development utilizing the solids modeling program Solidworks. Emphasizes surface modeling and "top-down" design as related to mechanical objects and their assembly.

ENGR 151 MATERIALS OF ENGINEERING

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ENGR 140

Prerequisite: PHYSIC-220 and CHEM-201 or 201H.

Presents the internal structures and resulting behaviors of materials used in engineering applications, including metals, ceramics, polymers, composites, and semiconductors. The emphasis is upon developing the ability both to select appropriate materials to meet engineering design criteria and to understand the effects of heat, stress, imperfections, and chemical environments upon material properties and performance. Includes the properties of materials as related to atomic and crystal structure.

ENGR 151L MATERIALS OF ENGINEERING LAB

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab
C-ID ENGR 140L

Prerequisite: PHYSIC-220 and CHEM-201 or 201H.

Explores the connections between the structure of materials and materials properties through experimentation. Laboratories provide opportunities to directly observe the structures and behaviors discussed in ENGR 151. Students will operate testing equipment to analyze experimental data and to prepare reports. Presents crystalline structures, mechanical properties of metals, the electrical properties of semiconducting materials, and polymers in a laboratory setting. Investigates experiments involving cold-working, heat treatment, material hardness, ductile-to-brittle fracture behavior, fatigue, equilibrium phase diagrams, steel microstructure, corrosion, and process methods.

ENGR 152 STATICS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ENGR 130

Prerequisite: MATH-212 and PHYSIC-220

Applies the principles of mechanics to rigid bodies in two- and three-dimensional equilibrium. Focuses on analytical and graphical solutions using force vectors and equivalent force systems to solve problems pertaining to analysis of trusses, and beams; distributed forces, shear and bending moment diagrams, friction, centroids, center of gravity, and moments of inertia.

ENGR 220 PROGRAMMING AND PROBLEM-SOLVING IN MATLAB

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
UC:CSU 36.00 hours lecture, 54 hours lab
C-ID ENGR 220

Prerequisite: MATH-211

Utilization of the MATLAB environment to provide students with a working knowledge of computer-based problem-solving methods relevant to science and engineering. Introduction of the fundamentals of procedural and object-oriented programming, numerical analysis, and data structures. Examples and assignments in the course are drawn from practical applications in engineering, physics, and mathematics.

ENGR 230 DYNAMICS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ENGR 230

Prerequisite: ENGR-152

Explores the fundamentals of kinematics and kinetics of particles and rigid bodies. Topics include kinematics of particle motion; Newton's second law, work-energy and momentum methods; kinematics of planar motions of rigid bodies; work-energy and momentum principles for rigid body motion; mechanical vibrations.

ENGR 260 ELECTRICAL CIRCUITS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ENGR 260

Prerequisite: PHYSIC-221

Co-requisite: MATH-215

Introduces analysis of electrical circuits. Use of analytical techniques based on the application of circuit laws and network theorems. Analysis of DC and AC circuits containing resistors, capacitors, inductors, dependent sources, operational amplifiers, and/or switches. Natural and forced responses of first and second order RLC circuits; the use of phasors; AC power calculations; power transfer; and energy concepts.

ENGR 260L ELECTRICAL CIRCUITS LABORATORY

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab
C-ID ENGR 260L

Co-requisite: ENGR-260

Introduces the construction and measurement of electrical circuits. Basic use of electrical test and measurement instruments including multimeters, oscilloscopes, power supplies, and function generators. Use of circuit simulation software. Interpretation of measured and simulated data based on principles of circuit analysis for DC, transient, and sinusoidal steady-state (AC) conditions. Elementary circuit design. Practical considerations such as component value tolerance and non-ideal aspects of laboratory instruments. Construction and measurement of basic operational amplifier circuits.

ENGLISH

The study of English prepares students for careers in any field for which close reading, critical thinking, and thoughtful, accurate written and verbal expression are necessary.

The English Department offers several areas of instruction:

- College skills courses, which integrate reading and writing instruction to prepare students for success in transfer-level composition courses.
- Transfer-level composition courses, which fulfill the language and rationality general education requirement and reading and writing competency requirements for graduation, as well as CSUGE and IGETC transfer requirements.
- Literature courses, which fulfill humanities general education and transfer requirements and provide cultural enrichment as well as experience with close reading and analysis.
- Creative writing courses, which fulfill humanities general education and transfer requirements and provide instruction in multiple genres as well as literary magazine production.
- Technical writing courses, which prepare students for writing in the workplace.
- A linguistics course, which analyzes systems of grammar, the social and historical contexts of language, language learning, and language change.

Associate in Arts for Transfer Degree: English

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in English. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to:

— Appraise the contributions and relevance of literature.

— Apply multiple perspectives and critical thinking methods to analyze and interpret literature.

Program Requirements:
Units Required: 18-19

Units

Select one of the following two options below for four to six units:

OPTION 1:

ENGL-C1001 Critical Thinking and Writing.....3.0

Continued on the next page.

OR

ENGL-C1001H	Critical Thinking and Writing – Honors	3.0
ENGL C1002	Introduction to Literature	3.0

OPTION 2:

ENGL C1003	Critical Thinking and Writing through Literature	4.0

Plus six units from the following:

ENGL-250	British Literature I	3.0
ENGL-251	British Literature II	3.0
ENGL-260	American Literature I	3.0
ENGL-261	American Literature II	3.0
ENGL-273	World Literature I	3.0
ENGL-274	World Literature II	3.0

If Option 1 is selected above, plus three units from the following that have not already been selected from the courses listed above:

If Option 2 is selected above, plus six units from the following that have not already been selected from the courses listed above:

		Units
ENGL-105	Introduction to Creative Writing	3.0
ENGL-106	Creative Writing - Nonfiction	3.0
ENGL-108	Creative Writing - Poetry	3.0
ENGL-109	Creative Writing - Short Stories	3.0
ENGL-250	British Literature I	3.0
ENGL-251	British Literature II	3.0
ENGL-260	American Literature I	3.0
ENGL-261	American Literature II	3.0
ENGL-262	American Multicultural Literature	3.0
ENGL-273	World Literature I	3.0
ENGL-274	World Literature II	3.0
ENGL-275	Shakespeare	3.0

Plus three units from the following that have not already been selected from the courses listed above:

ENGL-105	Introduction to Creative Writing	3.0
ENGL-106	Creative Writing - Nonfiction	3.0
ENGL-108	Creative Writing - Poetry	3.0
ENGL-109	Creative Writing - Short Stories	3.0
ENGL-122	Literary Magazine Production	3.0
ENGL-135	Literature and Film	3.0
ENGL-200	Introduction to Latina/o Literature	3.0
ENGL-250	British Literature I	3.0
ENGL-251	British Literature II	3.0
ENGL-260	American Literature I	3.0
ENGL-261	American Literature II	3.0
ENGL-262	American Multicultural Literature	3.0
ENGL-263	Introduction to Poetry	3.0
ENGL-264	Study of Fiction	3.0
ENGL-270	Introduction to African-American Literature	3.0
ENGL-271	Mythology	3.0
ENGL-272	The Bible As Literature	3.0
ENGL-273	World Literature I	3.0
ENGL-274	World Literature II	3.0
ENGL-275	Shakespeare	3.0
ENGL-280	Women Writers	3.0
ENGL-281	Introduction to Science Fiction and Fantasy	3.0

Associate in Arts Degree: English

The English associate degree provides students with a wide variety of intellectual skills while introducing them to a major source of cultural enrichment. The major includes both creative writing and literature courses. The creative writing courses provide instruction in multiple genres. The literature courses offer a broad range of types and periods of literature.

Degree Student Learning Outcome:

Students will be able to:

- Appraise the contributions and relevance of literature.
- Apply multiple perspectives and critical thinking methods to analyze and interpret literature.

Program Requirements:

Units Required: 19

		Units
ENGL C1003	Critical Thinking and Writing through Literature	4.0

Plus three units from the following:

ENGL-250	British Literature I	3.0
ENGL-251	British Literature II	3.0

Plus three units from the following:

ENGL-260	American Literature I	3.0
ENGL-261	American Literature II	3.0

Plus nine units from the following:

ENGL-105	Introduction to Creative Writing	3.0
ENGL-106	Creative Writing - Nonfiction	3.0
ENGL-108	Creative Writing - Poetry	3.0
ENGL-109	Creative Writing - Short Stories	3.0
ENGL-122	Literary Magazine Production	3.0
ENGL-135	Literature and Film	3.0
ENGL-200	Introduction to Latina/o Literature	3.0
ENGL-250	British Literature I	3.0
ENGL-251	British Literature II	3.0
ENGL-260	American Literature I	3.0
ENGL-261	American Literature II	3.0
ENGL-262	American Multicultural Literature	3.0
ENGL-263	Introduction to Poetry	3.0
ENGL-264	Study of Fiction	3.0

ENGL-270	Introduction to African-American Literature	3.0
ENGL-271	Mythology	3.0
ENGL-272	The Bible As Literature	3.0
ENGL-273	World Literature I	3.0
ENGL-274	World Literature II	3.0
ENGL-275	Shakespeare	3.0
ENGL-280	Women Writers	3.0
ENGL-281	Introduction to Science Fiction and Fantasy	3.0

Associate in Arts Degree and Certificate of Achievement: Creative Writing

The creative writing program helps students build strong writing and thinking skills while exploring creativity as an important form of expression. Students take courses in different genres, including poetry, fiction, and creative nonfiction. Students will study contemporary, diverse writers, learn key craft elements, develop their own voice through workshops and practice, and explore academic and professional publishing opportunities.

Degree Student Learning Outcome:

Students will be able to create original writing in multiple genres that demonstrates effective use of craft elements, an awareness of diverse and contemporary literary voices, and a developed individual voice, while engaging in workshop practices, revision, and exploring publishing opportunities.

Program Requirements:
Units Required: 18

		Units:
ENGL-105	Introduction to Creative Writing	3.0
ENGL-106	Creative Writing – Nonfiction	3.0
ENGL-108	Creative Writing – Poetry	3.0
ENGL-109	Creative Writing – Short Stories	3.0
ENGL-122	Literary Magazine Production	3.0

Plus three units from the following:

ENGL-135	Literature and Film	3.0
ENGL-200	Introduction to Latina/o Literature	3.0
ENGL-250	British Literature I	3.0
ENGL-251	British Literature II	3.0
ENGL-260	American Literature I	3.0
ENGL-261	American Literature II	3.0
ENGL-262	American Multicultural Literature	3.0
ENGL-263	Introduction to Poetry	3.0
ENGL-264	Study of Fiction	3.0
ENGL-270	Introduction to African-American Literature	3.0
ENGL-271	Mythology	3.0
ENGL-272	The Bible As Literature	3.0
ENGL-273	World Literature I	3.0
ENGL-274	World Literature II	3.0
ENGL-275	Shakespeare	3.0
ENGL-280	Women Writers	3.0
ENGL-281	Introduction to Science Fiction and Fantasy	3.0

ENGL C1000 ACADEMIC READING AND WRITING

Units: 4.00 (4.00 units lecture)
UC:CSU 72.00 hours lecture
C-ID ENGL 100

Prerequisite: Placement as determined by the college's multiple measures assessment process or ESL-100.

In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This course builds critical reading and writing skills through the analysis and evaluation of college-level texts. Students will learn how to write argument-driven, well-organized, full-length essays containing properly documented sources. This is an introductory course that offers instruction in expository and argumentative writing, appropriate and effective use of language, close reading, cogent thinking, research strategies, information literacy, and documentation. Formerly ENGL-101.

ENGL C1000H ACADEMIC READING AND WRITING - HONORS

Units: 4.00 (4.00 units lecture)
UC:CSU 72.00 hours lecture
C-ID ENGL 100

Prerequisite: Placement as determined by the college's multiple measures assessment process or ESL-100.

In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This is an honors course. This course builds critical reading and writing skills through the analysis and evaluation of college-level texts. Students will learn how to write argument-driven, well-organized, full-length essays containing properly documented sources. This is an introductory course that offers instruction in expository and argumentative writing, appropriate and effective use of language, close reading, cogent thinking, research strategies, information literacy, and documentation. Formerly ENGL-101H.

Continued on the next page.

ENGL C1001 CRITICAL THINKING AND WRITING

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ENGL 100

Prerequisite: College-level composition (ENGL C1000/ ENGL C1000H/ ENGL C1000E/C-ID ENGL 100) or equivalent

In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 College Reading and Writing (or C-ID ENGL 100) or similar first-year college writing course. Essay topics may include pop culture, politics, social issues, or moral/ethical issues. Formerly ENGL-103.

ENGL C1001H CRITICAL THINKING AND WRITING - HONORS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ENGL 100

Prerequisite: College-level composition (ENGL C1000/ ENGL C1000H/ ENGL C1000E/C-ID ENGL 100) or equivalent.

In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 Academic Reading and Writing (or C-ID ENGL 100) or similar first-year college writing course. This is an honors course. Essay topics may include pop culture, politics, social issues, or moral/ethical issues. Formerly ENGL-103H.

ENGL C1002 INTRODUCTION TO LITERATURE

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

C-ID ENGL 120

Prerequisite: ENGL-C1000 or ENGL-C1000H

In this course, students are introduced to works by diverse authors and major literary genres, developing close reading and analytical writing skills. Students also develop appreciation for and critical understanding of the cultural, historical, and aesthetic qualities of literature. Formerly ENGL-110.

ENGL C1003 CRITICAL THINKING AND WRITING THROUGH LITERATURE

Units: 4.00 (4.00 units lecture)

UC:CSU 72.00 hours lecture

C-ID ENGL 110

Prerequisite: ENGL-C1000 or ENGL-C1000H

In this course, students receive instruction in analytical, critical, and argumentative writing. Students develop critical thinking, close reading and literary analysis skills, research strategies, information literacy, and knowledge of accurate documentation through the study of diverse literary works from a variety of literary genres, developing an appreciation for literature. Formerly ENGL-112.

ENGL 104 TECHNICAL READING AND WRITING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: ESL-100 (English as a Second Language) or higher English placement

Builds critical thinking, reading, writing, and researching skills through the analysis and evaluation of technical and workplace documents used in businesses, academia, industry, and government. Introduces students to ethics and codes of conduct for technical writers. This course is designed primarily for students in Career Technical Education fields.

ENGL 105 INTRODUCTION TO CREATIVE WRITING

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ENGL 200

Prerequisite: ENGL-C1000 or ENGL-C1000H

Focuses on writing and analysis of poetry, short stories, and creative nonfiction. Students learn to develop ideas with an awareness of style and the manipulation of formal elements.

ENGL 106 CREATIVE WRITING - NONFICTION

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Prerequisite: ENGL-C1000 or ENGL-C1000H

Presents nonfiction prose, emphasizing description and narration through the composition of personal essays, using various creative nonfiction approaches.

ENGL 108 CREATIVE WRITING - POETRY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Prerequisite: ENGL-C1000 or ENGL-C1000H

Presents elements of poetry and explores writing poetry with ample practice, emphasizing writers' awareness of style and the manipulation of formal and stylistic elements. Includes analysis of selected published writings.

ENGL 109 CREATIVE WRITING - SHORT STORIES

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Prerequisite: ENGL-C1000 or ENGL-C1000H

Presents the elements of short fictional stories and explores writing these stories with ample practice, emphasizing writers' awareness of style and the manipulation of form and genre.

ENGL 122 LITERARY MAGAZINE PRODUCTION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Engages students in project-centered learning that teaches the basics of literary magazine production, including marketing, editorial selection, proofreading, design, and distribution. Culminates in the creation of cul-de-sac, College of the Canyons' award-winning literary and arts magazine.

ENGL 135 LITERATURE AND FILM

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Recommended Prerequisite: ENGL-C1000 or ENGL-C1000H

Explores the complex interplay between literature and film by studying the conventions and characteristics, terms and concepts, and critical theories in both fields. Examines film as both a cultural expression and an artistic medium that can be analyzed in relation to the structural, aesthetic, and rhetorical features of literary works.

ENGL 200 INTRODUCTION TO U.S. LATINA/O LITERATURE

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys U.S. Latina/o literature from the Mexican-American War (1847-8) to the present with an emphasis on the contemporary period.

ENGL 204 TECHNICAL REPORT WRITING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: ENGL-C1000 or ENGL-C1000H

Focuses on the writing of reports and accompanying documents required in professional or vocational environments, including proposals, summaries, memoranda and research skills.

ENGL 250 BRITISH LITERATURE I

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ENGL 160

Prerequisite: ESL-100 (English as a Second Language) or higher English placement

Recommended Prerequisite: ENGL-C1000 or ENGL-C1000H

Surveys the literature written in the British Isles from the Anglo-Saxon conquest (approximately year 450 of the Common Era) to the last quarter of the 18th century. Students will sample a range of literature and literary styles that span from Old English epic poetry to retellings of Arthurian myth to the early form of the English novel, allowing them to analyze the development of various literary styles written in English, including how important historical contexts, cultural shifts, and evolutions intersect with the motivations and passions of authors in each era. This course is appropriate for students new to studying literature as well as those developing more in-depth skills.

ENGL 251 BRITISH LITERATURE II

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ENGL 165

Prerequisite: ESL-100 (English as a Second Language) or higher English placement

Recommended Prerequisite: ENGL-C1000 or ENGL-C1000H

Surveys the literature written in the British Isles and eventually the British Empire from the late 18th century to contemporary texts. Students will sample a range of literary styles, such as Romantic poetry, the evolving form of 19th c. novels, and the experimentation found in both Postmodern and Postcolonial literature. The literature will be considered in light of significant historical moments and immense cultural shifts so that students can consider how such factors may impact the motivations and passions of authors in each era. This course is appropriate for students new to studying literature as well as those developing more in-depth skills.

ENGL 260 AMERICAN LITERATURE I

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ENGL 130

Prerequisite: ESL-100 (English as a Second Language) or higher English placement

Recommended Prerequisite: ENGL-C1000 or ENGL-C1000H

Surveys the literature of the United States from the colonial period through the U. S. Civil War. Approaches the material from a multiethnic and multicultural perspective, presenting works not only by established canonical authors but also lesser-known work from the African American, Native American, and Latina/o traditions.

ENGL 261 AMERICAN LITERATURE II

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ENGL 135

Prerequisite: ESL-100 (English as a Second Language) or higher English placement

Recommended Prerequisite: ENGL-C1000 or ENGL-C1000H

Surveys a diverse range of American authors and their relationship to major literary and intellectual movements from the second half of the nineteenth century to the present.

ENGL 262 AMERICAN MULTICULTURAL LITERATURE

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Prerequisite: ESL-100 (English as a Second Language) or higher English placement

Recommended Prerequisite: ENGL-C1000 or ENGL-C1000H

Surveys various genres of multicultural literature of the United States, addressing issues of voice, agency, and the construction of American identity across racial, ethnic, regional, and gender boundaries in the cultural context of a diverse country.

ENGL 263 INTRODUCTION TO POETRY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Recommended Prerequisite: ENGL-C1000 or ENGL-C1000H

Examines major poetic forms and movements in poetry spanning the classics to the present day. Introduces students to key analytical strategies essential for interpreting and appreciating the language and themes expressed in a diverse range of poems.

ENGL 264 STUDY OF FICTION

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Prerequisite: ESL-100 (English as a Second Language) or higher English placement

Recommended Prerequisite: ENGL-C1000 or ENGL-C1000H

Presents selected prose fiction from various writers in Western Civilization. Emphasizes short fiction of the 19th and 20th centuries plus one novel. Through close reading and discussion, students will learn to analyze and interpret prose narratives.

ENGL 270 INTRODUCTION TO AFRICAN-AMERICAN LITERATURE

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Prerequisite: ESL-100 (English as a Second Language) or higher English placement

Recommended Prerequisite: ENGL-C1000 or ENGL-C1000H

Surveys African American literature from the 1700s to the present, including poetry, fiction, autobiography, essays, drama, and oral literature.

ENGL 271 MYTHOLOGY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Presents a multicultural and comparative look at major themes and archetypes in mythology.

ENGL 272 THE BIBLE AS LITERATURE

Units: 3.0 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Prerequisite: ESL-100 (English as a Second Language) or higher English placement

Recommended Prerequisite: ENGL-C1000 or ENGL-C1000H

Surveys select books of the Tanakh (Hebrew Bible) and Christian Scriptures from a secular, literary perspective.

ENGL 273 WORLD LITERATURE I

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ENGL 140

Prerequisite: ESL-100 (English as a Second Language) or higher English placement

Recommended Prerequisite: ENGL-C1000 or ENGL-C1000H

Comparative study of selected works, in translation and in English, of literature from around the world, including Europe, the Middle East, Asia, and other areas, from antiquity to the mid or late seventeenth century.

ENGL 274 WORLD LITERATURE II

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ENGL 145

Prerequisite: ESL-100 (English as a Second Language) or higher English placement

Recommended Prerequisite: ENGL-C1000 or ENGL-C1000H

Comparative study of selected works, in translation and in English, of literature from around the world, including Europe, the Middle East, Asia, Africa, and the Americas, from the seventeenth century to the present.

ENGL 275 SHAKESPEARE

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Prerequisite: ESL-100 (English as a Second Language) or higher English placement

Recommended Prerequisite: ENGL-C1000 or ENGL-C1000H

Surveys the poetry and drama of Shakespeare through close reading of selected sonnets, comedies, tragedies, and histories. Emphasizes language, major themes, historical and sociopolitical forces that shaped Shakespeare's world and work, and Shakespeare's enduring cultural influence.

ENGL 280 WOMEN WRITERS

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Surveys literature written by women from diverse backgrounds throughout various literary periods and cultures focusing on relevant, on-going gender issues.

ENGL 281 INTRODUCTION TO SCIENCE FICTION AND FANTASY

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Introduces fantasy and science fiction as literature, emphasizing the history and traditions of the genre, the use of mythology, and the political, philosophical, and social commentary in works studied.



ENGLISH AS A SECOND LANGUAGE

The ESL program offers beginning, intermediate, and advanced level courses providing essential language skills aimed at preparing non-native speakers of English for college-level work. An associate degree is not available in English As A Second Language.

ESL 090 INTERMEDIATE COLLEGE READING & WRITING

Units: 5.00 (5.00 units lecture)

90.00 hours lecture

Develops academic reading, writing, and vocabulary skills moving from the high intermediate to the low advanced level. Focuses on essay writing, reading skills, and academic vocabulary.

ESL 091 ACCENT REDUCTION

Units: 4.00 (4.00 units lecture)

72.00 hours lecture

Focuses on accent reduction for non-native speakers of English. Course covers discrete sounds and phonemes as well as stress and intonation, aural discrimination, and sound patterns reproduction. Offered pass/no-pass only. Units do not apply to associate or baccalaureate degrees.

ESL 096 COLLEGE LISTENING & SPEAKING

Units: 5.00 (5.00 units lecture)

90.00 hours lecture

Provides intensive practice in academic listening, note-taking, and speaking skills, including academic discussions and presentations. Units do not apply to associate or baccalaureate degrees.

ESL 100 ADVANCED COLLEGE READING AND WRITING

Units: 5.00 (5.00 units lecture)

UC:CSU 90.00 hours lecture

Prerequisite: ESL-090 or higher placement

Designed to prepare non-native speakers for transfer-level English composition courses with focus on writing multi-paragraph researched essays.

Continued on the next page.

ENVIRONMENTAL SCIENCES

The environmental sciences focus on understanding the relationships between nature and humanity.The courses offered provide the necessary background knowledge and training for students to successfully transfer into prominent four-year colleges and universities in the fields of environmental studies and sciences. Environmental scientists are needed to develop sustainable solutions to global problems currently facing our society.

An associate degree is not currently available in Environmental Sciences.

Associate in Science for Transfer Degree: Environmental Science

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

Degree Student Learning Outcome:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC).
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AS-T in Environmental Science. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:
Students will be able to apply physical, biological and social science principles and research to address current environmental issues.

Program Requirements:
Units Required: 41 – 43

		Units
BIOSCI-106	Organismal & Environmental Biology	4.0
	OR	
BIOSCI-106H	Organismal & Environmental Biology – Honors	4.0
BIOSCI-107	Molecular and Cellular Biology	4.0
	OR	
BIOSCI-107H	Molecular and Cellular Biology – Honors	4.0
CHEM-201	General Chemistry I	5.0
	OR	
CHEM-201H	General Chemistry I – Honors	5.0
ECON-C2001	Principles of Microeconomics	3.0
	OR	
ECON-C2001H	Principles of Microeconomics – Honors	3.0
ENVRMT-103	Introduction to Environmental Science	4.0
STAT-C1000	Introduction to Statistics	4.0
	OR	
STAT-C1000E	Introduction to Statistics	5.0
	OR	
STAT-C1000H	Introduction to Statistics – Honors	4.0
MATH-211	Calculus I	5.0
	OR	
MATH-211X	Calculus I with Support	6.0
	OR	
MATH-240	Calculus for Business and Social Science	5.0
	OR	
MATH-240X	Calculus for Business and Social Science I with Support	6.0
STAT-C1000	Introduction to Statistics	4.0
	OR	
STAT-C1000E	Introduction to Statistics	5.0
	OR	
STAT-C1000H	Introduction to Statistics – Honors	4.0
	Plus four units from the following:	
GEOGRPH-101	Physical Geography with Lab	4.0
	OR	
GEOLOGY-101	Physical Geology with Lab	4.0
	Plus eight units from the following:	
PHYSIC-110	General Physics I	4.0
PHYSIC-111	General Physics II	4.0

OR

PHYSIC-210	Physics with Calculus for Life Science Majors I	4.0
PHYSIC-211	Physics with Calculus for Life Science Majors II	4.0

OR

PHYSIC-220	Physics for Scientists and Engineers: Mechanics of Solids and Fluids	4.0
PHYSIC-221	Physics for Scientists and Engineers: Electricity, Magnetism, and Waves	4.0

Associate in Arts: Environmental Studies

Environmental Studies is an interdisciplinary and multidisciplinary program of study that presents a broad overview of ecological issues from a variety of perspectives. The coursework examines the interplay between natural and social systems, and the ideological foundations of humankind's attitudes and behaviors with respect to their continually changing environment. The program provides students with the understanding that environmental challenges face every aspect of society, and it provides them with the skills needed to help solve these complex problems through cooperation and negotiation with the different and often competing stakeholders.

Degree Student Learning Outcome:
Students will be able to critically analyze the intersection of nature and social systems.

Program Requirements:
Units Required: 29-32

		Units
ENVRMT-101	Introduction to Environmental Studies: Environmental Change and Sustainability	3.0
BIOSCI-130	Contemporary Issues in Environmental Biology	3.0
ECON-C2002	Principles of Microeconomics	3.0

OR

ECON-C2002H	Principles of Microeconomics – Honors	3.0
PHILOS-120	Introduction to Ethics	3.0

OR

PHILOS-250	Environmental Ethics	3.0
POLS-C1000	American Government and Politics	3.0

OR

POLS-C1000H	American Government and Politics – Honors	3.0

Plus one course from the following:

ECON-291	Statistical Methods in Business and Economics	4.0
STAT-C1000	Introduction to Statistics	4.0
STAT-C1000E	Introduction to Statistics	5.0
STAT-C1000H	Introduction to Statistics – Honors	4.0

Plus four units from the following:

ENVRMT-103	Introduction to Environmental Science	4.0

OR

GEOGRPH-101	Physical Geography with Lab	4.0

Plus two courses from the following for six to eight units:

ANTHRO-103	Cultural Anthropology	3.0

Plus two courses from the following for six to eight units:

ANTHRO-103	Cultural Anthropology	3.0

OR

ANTHRO-103H	Cultural Anthropology – Honors	3.0
BIOSCI-106	Organismal & Environmental Biology	4.0
BIOSCI-115	General Zoology	4.0
BIOSCI-116	General Botany	4.0
BIOSCI-119	Marine Biology	4.0

OR

OCEAN-119	Marine Biology	4.0
BIOSCI-132	Concepts in Evolution	3.0
WE-186ENVR	Work Experience Education Environmental Science	0.5 – 4.0
ECON-C2001	Principles of Microeconomics	3.0

OR

ECON-C2001H	Principles of Microeconomics – Honors	3.0
ENVRMT-104	Energy Resources and Conservation	3.0
GEOGRPH-102	Human Geography	3.0
POLS-230	Political Theory	3.0
POLS-270	International Relations	3.0
SOCI-101	Introduction to Sociology	3.0

OR

SOCI-101H	Introduction to Sociology – Honors	3.0

Certificate of Achievement: Sustainable Resources, Energy Management, and Environmental Ethics

The Sustainable Resources, Energy Management, and Environmental Ethics Certificate of Achievement is an interdisciplinary program designed to provide students with the background necessary to examine the drivers and impacts of climate change and evaluate mitigation and adaptation measures to minimize the effects on local and global ecosystems and human societies. The certificate is flexible in terms of specialization due to multiple options for two of the courses that span math, chemistry, biology, anthropology, geography,

environmental studies, and oceanography. The Certificate of Achievement provides an opportunity for students to refine their focus to align with a major area of study and offers a greater reach of topics than the Certificate of Specialization. In this way, the Certificate of Achievement can be viewed as a refinement and enhancement of the Certificate of Specialization. The certificate can be built into the Associate of Arts in Environmental Studies.

Certificate Student Learning Outcome:
Students will examine the drivers, impacts, and ethical implications of climate change and evaluate mitigation and adaptation strategies to minimize the effects on local and global ecosystems and human societies.

Programs Requirements:
Units Required: 16 – 19

		Units:
ENVRMT-103	Introduction to Environmental Science	4.0
ENVRMT-104	Energy Resources Conservation	3.0
PHILOS-250	Environmental Ethics	3.0

Plus two courses from the following for a minimum of six units:

ANTHRO-101	Biological Anthropology	3.0
	OR	
ANTHRO-101H	Biological Anthropology – Honors	3.0
ANTHRO-101L	Biological Anthropology Laboratory	1.0
BIOSCI-100	General Biology	4.0
	OR	
BIOSCI-100H	General Biology – Honors	4.0
BIOSCI-106	Organismal & Environmental Biology	4.0
	OR	
BIOSCI-106H	Organismal & Environmental Biology – Honors	4.0
BIOSCI-115	General Zoology	4.0
BIOSCI-116	General Botany	4.0
BIOSCI-119	Marine Biology	4.0
	OR	
OCEAN-119	Marine Biology	4.0
BIOSCI-130	Contemporary Issues in Environmental Biology	3.0
CHEM-151	Preparatory General Chemistry	4.0
	OR	
CHEM-151H	Preparatory General Chemistry – Honors	4.0
ENVRMT-101	Introduction to Environmental Studies: Environmental Change and Sustainability	3.0
GEOGRPH-100	Physical Geography	3.0
GEOGRPH-101	Physical Geography with Lab	4.0
GEOGRPH-103	Weather and Climate	3.0
STAT C1000	Introduction to Statistics	4.0
STAT C1000E	Introduction to Statistics	5.0
STAT C1000H	Introduction to Statistics – Honors	4.0
OCEAN-101	Introduction to Oceanography	4.0

Certificate of Specialization: Sustainable Resources, Energy Management, and Environmental Ethics

The Sustainable Resources, Energy Management, and Environmental Ethics Certificate of Specialization is an interdisciplinary program designed to provide students with the background necessary to examine the drivers and impacts of climate change and evaluate mitigation and adaptation measures to minimize the effects on local and global ecosystems and human societies. The certificate is flexible in terms of the range of choices available for the lab elective and can be built into the Associate of Arts in Environmental Studies.

Certificate Student Learning Outcome:
Students will examine the drivers, impacts, and ethical implications of climate change and evaluate mitigation and adaptation strategies to minimize the effects on local and global ecosystems and human societies.

Programs Requirements:
Units Required: 10

		Units:
ENVRMT-104	Energy Resources Conservation	3.0
PHILOS-250	Environmental Ethics	3.0

Plus 4 units from the following:

ANTHRO-101	Biological Anthropology	3.0
	OR	
ANTHRO-101H	Biological Anthropology – Honors	3.0
ANTHRO-101L	Biological Anthropology Laboratory	1.0
BIOSCI-100	General Biology	4.0
	OR	
BIOSCI-100H	General Biology – Honors	4.0
BIOSCI-106	Organismal & Environmental Biology	4.0
	OR	
BIOSCI-106H	Organismal & Environmental Biology – Honors	4.0
BIOSCI-115	General Zoology	4.0
BIOSCI-116	General Botany	4.0
BIOSCI-119	Marine Biology	4.0
	OR	
OCEAN-119	Marine Biology	4.0
CHEM-151	Preparatory General Chemistry	4.0
	OR	
CHEM-151H	Preparatory General Chemistry – Honors	4.0
ENVRMT-103	Introduction to Environmental Science	4.0

GEOGRPH-101 Physical Geography with Lab.....4.0
OCEAN-101 Introduction to Oceanography 4.0

ENVRMT 101 INTRODUCTION TO ENVIRONMENTAL STUDIES: ENVIRONMENTAL CHANGE AND SUSTAINABILITY

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Introduces the use of Earth's natural resources by human civilizations and the roles economics, ethics, law, policy, history, politics, culture, and inequities have played in resource use and distribution in the environment.

ENVRMT 103 INTRODUCTION TO ENVIRONMENTAL SCIENCE

Units: 4.00 (3.00 units lecture, 1.00 unit lab)

UC:CSU 54.00 hours lecture, 54.00 hours lab

C-ID ENVS 100

Introduces environmental issues from a scientific perspective and with a more focused and technical approach, focusing on physical, chemical, and biological processes within the Earth system, the interaction between humans and these processes, and the role of science in finding sustainable solutions. Students are provided a quantitative and scientific understanding of environmental challenges, their root causes, and potential solutions going forward. Topics include ecological principles; biodiversity; human population growth; climate change; sustainability; disproportionate impacts of environmental degradation on marginalized groups; agricultural methods and pest control; renewable and non-renewable energy; water resources; land, air, and water pollution; and waste management. Field trips may be required.

ENVRMT 104 ENERGY RESOURCE CONSERVATION

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Introduces a quantitative survey of current energy resources, alternate methods of energy generation, and various energy conservation methods, including practical applications relevant to today's economy and technology while stressing physics of energy and environmental utilization relevant to energy use. Field trips may be required.

ETHNIC STUDIES

The Ethnic Studies curriculum, through interdisciplinary study, provides coursework designed to expand students' awareness and understanding of the rich and unique histories that have shaped our American experience. These courses explore the lives, experiences, histories, and cultures of communities of color through ethnic-specific and comparative lenses.

ETHNST 101 INTRODUCTION TO ETHNIC STUDIES

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Provides an interdisciplinary and comparative introduction to the study of race and ethnicity with special focus on four historically defined racialized and aggrieved core groups (Native Americans, African Americans, Asian Americans, and Latina and Latino Americans). Emphasizes the critical examination and articulation of key concepts and frameworks (i.e. race and racism, ethnicity, decolonization, intersectionality, social justice), the application and appreciation of theory and knowledge produced by and about people of color in the U.S., and the engagement with anti-racist, decolonial, and DEIA thought and praxis.

ETHNST 102 INTRODUCTION TO CHICANA/O/X STUDIES

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Explores the diverse institutional, cultural, historical and social contexts of the life circumstances and intersectional identities of Chicana/o/x Americans within the United States after the signing of the Treaty of Guadalupe Hidalgo in 1848. Students will analyze the development of Chicana/o/x Studies, as well as the theories of racialization. Topics will also include political and labor participation, cultural aesthetics, intersectionality, and education. Course provides an introduction to the socio-economic, cultural, and political conditions among Chicanas/os/xs, Latinas/os/xs, and other minoritized groups through historical consideration of the creation and development of Chicana/o/x Studies and ethnic studies programs in the United States.

ETHNST 103 INTRODUCTION TO AFRICAN AMERICAN STUDIES

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Introduces African American Studies, including its social and academic origins, goals, and development within the discipline's fundamental areas and intradisciplinary approach to studying the African experience in the United States, Africa, and the diaspora. Explores the presentation of cultural, economic, historic, social, and political experiences of African Americans in the United States. Provides an interdisciplinary survey of African American culture and heritage from the 1600s to the present and analyzes the economic, political, social, artistic, and intellectual elements of the African American community. Includes the intersection of class, gender, white supremacy, and liberation while paying particular attention to the significant impact that African Americans have had on American culture as a whole.

ETHNST 104 CHICANA/LATINA FEMINISM IN CONTEMPORARY SOCIETY

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Provides students with a basic understanding of the Chicana/Latina in contemporary society. Emphasis is placed on establishing a framework from which to view the historical development and treatment of women in modern society. Includes an analysis of selected Chicana/Latina issues currently affecting Chicana/Latina women. Focus is placed on Chicana/Latina feminist scholarship and cultural representations, border issues and migration, resistance to patriarchy, labor, and the search for power. Field trips may be required.

FIRE TECHNOLOGY

Associate in Science Degree: Fire Technology - Pre-Service

The Fire Technology - Pre-Service degree/certificate program prepares students for careers in the fire service, either public or private. After completion of the program, students will have a basic understanding in fire protection, prevention and behavior, fire company organization and procedures, fire hydraulics, wildland fire behavior and fire investigation among other areas. HLHSCI 151 (EMT) may be waived if the student has successfully completed EMT training; however, two additional elective courses must be taken in lieu of HLHSCI 151.

Degree Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge of fire organization, fire prevention, fire equipment and systems, building construction for fire protection, fire behavior and combustion and emergency medical technician.

Program Requirements:

Units Required: 32.5

		Units
FIRETC-101	Principles of Emergency Services	3.0
FIRETC-102	Fire Prevention	3.0
FIRETC-103	Fire Protection Systems	3.0
FIRETC-104	Building Construction for Fire Protection	3.0
FIRETC-105	Fire Behavior and Combustion	3.0
FIRETC-109	Principles of Fire and Emergency Services & Survival	3.0
EMS-101	Emergency Medical Technician	5.0
EMS-101L	Emergency Medical Technician Lab	2.0
EMS-102	Emergency Medical Technician Practicum	1.5

Plus six units from the following:

EMS-100	Emergency Medical Services Foundations	3.0
FIRETC-106	Principles of Fire and Emergency Service Administration	3.0
FIRETC-110	Wildland Fire Behavior	3.0
FIRETC-120	Hazardous Materials Chemistry	3.0
FIRETC-123	Fire Investigation	3.0
FIRETC-125	Firefighting Tactics and Strategy	3.0

Certificate of Achievement: Fire Technology - Pre-Service

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge of fire organization, fire prevention, fire equipment and systems, building construction for fire protection, fire behavior and combustion and emergency medical technician.

Program Requirements:

Units Required: 26.5

		Units
FIRETC-101	Principles of Emergency Services	3.0
FIRETC-102	Fire Prevention	3.0
FIRETC-103	Fire Protection Systems	3.0
FIRETC-104	Building Construction for Fire Protection	3.0
FIRETC-105	Fire Behavior and Combustion	3.0
FIRETC-109	Principles of Fire and Emergency Services & Survival	3.0
EMS-101	Emergency Medical Technician	5.0
EMS-101L	Emergency Medical Technician Lab	2.0
EMS-102	Emergency Medical Technician Practicum	1.5

Recommended electives:

EMS-100	Emergency Medical Services Foundations	3.0
FIRETC-106	Principles of Fire and Emergency Service Administration	3.0
FIRETC-110	Wildland Fire Behavior	3.0
FIRETC-120	Hazardous Materials Chemistry	3.0
FIRETC-123	Fire Investigation	3.0
FIRETC-125	Firefighting Tactics and Strategy	3.0

Certificate of Achievement: Fire Academy

Prepares students for employment as a firefighter through the foundational requirements contained in California State Fire Marshal firefighter IA, and Firefighter IIA certification courses and live fire training. Topics include firefighter safety; communications; cleaning,

maintaining, and utilizing equipment and tools; building construction and fire behavior; water supply; ladder operations; forcing entry into a structure; conducting search and rescue operations; attacking an interior structure fire; horizontal and vertical ventilation; property conservation; fire scene overhaul; fire fighter survival; and fire suppression.

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the skills and knowledge required of a firefighter as mandated by state and local regulations.

Program Requirements:

Units Required: 18.5

		Units:
FIRETC-111A	Fire Academy I	10.0
FIRETC-111B	Fire Academy II	8.5

FIRETC 101 PRINCIPLES OF EMERGENCY SERVICES

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID FIRE 100X

Provides an overview of fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics and life safety initiatives.

FIRETC 102 FIRE PREVENTION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID FIRE 110X

Prerequisite: Completion of or concurrent enrollment in FIRETC-101 or completion of an accredited Fire Academy.

Provides fundamental knowledge relating to the field of fire prevention. Topics include: history and philosophy of fire prevention; organization of a fire prevention bureau; use and application of codes and standards; plans review; fire inspections; fire and life safety education; and fire investigation.

FIRETC 103 FIRE PROTECTION SYSTEMS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID FIRE 120X

Prerequisite: Completion of or concurrent enrollment in FIRETC-101 or completion of an accredited Fire Academy.

Provides information relating to the features of design and operation of fire alarm systems, water-based suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers.

FIRETC 104 BUILDING CONSTRUCTION FOR FIRE PROTECTION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID FIRE 130X

Prerequisite: Completion of or concurrent enrollment in FIRETC-101 or completion of an accredited Fire Academy.

Provides the components of building construction related to firefighter and life safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies.

FIRETC 105 FIRE BEHAVIOR AND COMBUSTION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID FIRE 140X

Prerequisite: Completion of or concurrent enrollment in FIRETC-101 or completion of an accredited Fire Academy.

Explores the theories and fundamentals of how and why fires start, spread, and are controlled.

FIRETC 106 PRINCIPLES OF FIRE AND EMERGENCY SERVICE ADMINISTRATION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: Completion of or concurrent enrollment in FIRETC-101 or completion of an accredited Fire Academy.

Introduces the student to the organization and management of a fire and emergency services department and the relationship of government agencies to the fire service. Emphasis is placed on fire and emergency service ethics and leadership from the perspective of the company officer.

FIRETC 109 PRINCIPLES OF FIRE AND EMERGENCY SERVICES SAFETY AND SURVIVAL

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID FIRE 150X

Prerequisite: Completion of or concurrent enrollment in FIRETC-101 or completion of an accredited Fire Academy.

Introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout emergency services.

FIRETC 110 WILDLAND FIRE BEHAVIOR

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: Completion of or concurrent enrollment in FIRETC-101 or completion of an accredited Fire Academy.

Introduces topics related to wildland fire behavior including weather, fuel, topography, and how fire behavior affects risk to firefighters. Field trips may be required.

Continued on the next page.

FIRETC 111A FIRE ACADEMY I

Units: 10.00 (5.25 units lecture, 4.75 units lab)
CSU 94.50 hours lecture, 256.50 hours lab

Prerequisite: FIRETC-105 and FIRETC-109, Current California Driver's License, and Proof of High School Graduation.

Provides students with the knowledge, skills, and abilities required to perform the essential functions of an entry-level firefighter safely, effectively, and professionally. This intensive, standards-based academy follows the California State Fire Marshal Firefighter I curriculum and covers key competencies including fire department communications, fire ground operations, rescue procedures, hazardous materials response, wildland firefighting, apparatus and equipment operations, ventilation, salvage and overhaul, and firefighter survival. Students will engage in rigorous academic coursework, skill development, and live-fire training scenarios designed to meet state fire training certification requirements. Successful completion of the academy fulfills the educational component for Firefighter I certification, preparing graduates for employment in municipal, industrial, and wildland fire service agencies. This is a physically demanding course that requires the purchase of uniforms, personal protective equipment, and state certification fees. Live-fire training is required.

FIRETC 111B FIRE ACADEMY II

Units: 8.00 (4.50 units lecture, 4.00 units lab)
CSU 81.00 hours lecture, 216.00 hours lab

Prerequisite: FIRETC-111A

Provides students with the advanced knowledge, skills, and abilities required to perform the essential functions of an entry-level firefighter safely, effectively, and professionally. This intensive, standards-based academy follows the California State Fire Marshal Firefighter II curriculum and covers key competencies including fire department communications, fire ground operations, rescue procedures, hazardous materials response, wildland firefighting, apparatus and equipment operations, ventilation, salvage and overhaul, and firefighter survival. Students will engage in rigorous academic coursework, manipulative skill development, and live-fire training scenarios designed to meet state fire training certification requirements. Successful completion of the academy fulfills the educational component for Firefighter I certification, preparing graduates for employment in municipal, industrial, and wildland fire service agencies. This is a physically demanding course that requires the purchase of uniforms, personal protective equipment, and state certification fees. Live-fire training is required.

FIRETC 120 HAZARDOUS MATERIALS CHEMISTRY

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: Completion of or concurrent enrollment in FIRETC-101 or completion of an accredited Fire Academy.

Provides basic chemistry relating to the categories of hazardous materials including recognition, identification, reactivity, and health hazards encountered by emergency services.

FIRETC 123 FIRE INVESTIGATION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: Completion of or concurrent enrollment in FIRETC-101 or completion of an accredited Fire Academy.

Provides the fundamentals and technical knowledge needed for proper fire scene interpretations, including recognizing and conducting origin and cause, preservation of evidence and documentation, scene security, motives of the fire setter, and types of fire causes.

FIRETC 125 FIREFIGHTING STRATEGY AND TACTICS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID FIRE 160X

Prerequisite: Completion of or concurrent enrollment in FIRETC-101 or completion of an accredited Fire Academy.

Provides the principles of fire ground control through utilization of personnel, equipment, and extinguishing agents. Field trips may be required.

FRENCH

(See Modern Languages)



GEOGRAPHIC INFORMATION SYSTEMS

Geographic Information System (GIS) is a computer-based geospatial management system that allows the user to visualize, question, analyze, interpret, and understand complex data in order to reveal relationships, patterns, and trends. The study of GIS leads to increased efficiency, improved communication, and all-around better decision making in an almost endless variety of fields and disciplines.

GIS 101 INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
UC:CSU 36.00 hours lecture, 54.00 hours lab
C-ID GEOG 155

Introduces the fundamental concepts, methods, and applications of Geographic Information Systems (GIS) and its role in spatial analysis and decision-making. Topics include: assessment of vector and raster data, acquisition of GIS data, resolution, scale and georeferencing.

GIS 102 APPLIED TECHNIQUES FOR GIS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: GIS-101

Explores the application of Geographic Information Systems (GIS) in research and professional settings. Students will design and execute a capstone project focused on GIS analysis within their academic discipline. The project emphasizes hypothesis generation, project planning, and the utilization of diverse GIS software and data resources. Additional topics may include spatial analysis, remote sensing, and workflow modeling.

GEOGRAPHY

Geography is the broad spatial science that studies the location, distribution, and interaction among all physical and cultural features of Earth. These studies include physical processes that create and modify landforms, affect daily weather and long-term climates, and influence the setting for all biologic phenomena such as plants, animals and humans. These studies also include the distribution and interaction of cultural phenomena such as population, language, religion, economics, politics, diseases, agriculture, migration, resources, urban patterns, ethnic studies, and the many short-term and long-term effects of humans on the environment. The geography program also includes the study and use of graphs, maps, and geospatial digital data retrieval and cartographic technology.

Through lecture, lab, and field study, the geography program provides insight, perspective, and application required to assist citizens in making well-informed decisions involving the inter-relationships between the natural physical environment and the systems and networks of human societies.

Associate in Arts for Transfer Degree: Geography

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an “associate degree for transfer”, a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system

Continued on the next page.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Geography. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to locate and analyze the distribution of physical and cultural features in the world, relate them to modifying processes, and assess variables that influence resulting spatial patterns.

Program Requirements:

Units Required: 19

		Units
GEOGRPH-101	Physical Geography with Lab	4.0
GEOGRPH-102	Human Geography	3.0
	Plus six units from the following:	
GEOGRPH-103	Weather and Climate	3.0
GEOGRPH-104	World Regional Geography	3.0
GEOGRPH-105	California Geography	3.0
GEOGRPH-110	Maps and Spatial Reasoning	3.0
GIS-101	Introduction to Geographic Information Systems	3.0
	Plus six units from the following:	
ANTHRO-103	Cultural Anthropology	3.0
	OR	
ANTHRO-103H	Cultural Anthropology – Honors	3.0
GEOLOGY-100	Physical Geology	3.0

Certificate of Specialization: California Studies

California Studies is an interdisciplinary program that includes; geology, geography, history, and political science. The certificate is designed to enhance faculty and student interaction in an interdisciplinary setting and assist both in exploring the connections among different perspectives on a major subject. Students will not only study California from a variety of perspectives in the classroom, but they will also have an opportunity to engage in significant field research. This certificate would be of significant importance to those students who intend to teach in California, both K-12 and higher education, as well as those pursuing a career in public services, (tourism, politics and city employees).

Degree Student Learning Outcome:

Students will be able to analyze and apply a process of ethical inquiry to the historical, cultural, spatial-political, and geomorphic issues and patterns found within the California landscape.

Program Requirements:

Units Required: 15

		Units
GEOGRPH-105	California Geography	3.0
GEOLOGY-105	Geology of California	3.0
ANTRHO-210	Indians of California	3.0
HIST-210	History of California	3.0
POLS-C1000	American Government and Politics	3.0
POLS-C1000H	American Government and Politics – Honors	3.0

Certificate of Achievement: Applied GIS and Spatial Studies

Applied GIS & Spatial Studies uses multi-dimensional representations of information to help structure problems, find answers, and express solutions. The ability to visualize and interpret relationships through space is essential for understanding content and solving problems across a wide spectrum of disciplines in the earth sciences, environmental sciences, social sciences, business, urban planning, public safety and health sciences. With this certificate, students will use spatial thinking, analysis, modeling, and mapping skills to interpret and present information.

Certificate Student Learning Outcome:

Students will apply principles of spatial science and GIS to solve spatial problems and inquiries in their field of study.

Programs Requirements:

Units Required: 19 – 22

		Units
GIS-101	Introduction to Geographic Information Systems	3.0
GIS-102	Applied Techniques for GIS	3.0
GEOGRPH-110	Maps and Spatial Reasoning	3.0
PSCYH-104	Statistics for the Behavioral Sciences	4.0
	OR	
SOCI-137	Statistics for the Social Sciences	4.0
	OR	
STAT-C1000	Introduction to Statistics	4.0
	OR	
STAT-C1000E	Introduction to Statistics	5.0
	OR	
STAT-C1000H	Introduction to Statistics – Honors	4.0
	Plus six to eight units from one of the following focus areas:	
Administration of Justice Focus		
ADMJUS-101	Introduction to Administration of Justice	3.0
ADMJUS-155	Criminal Investigation	3.0
Anthropology and Archeology Focus		
ANTHRO-101	Physical Anthropology	3.0
	OR	
ANTHRO-101H	Physical Anthropology – Honors	3.0
ANTHRO-103	Cultural Anthropology	3.0

OR

ANTHRO-103H Cultural Anthropology – Honors 3.0
ATNHRO-105 Introduction to Archeology.....3.0
ANTHRO-210 Indigenous Peoples Of California ...3.0

Architecture Focus

ARCHT-120 Design I – Elements of Architectural Drafting.....3.0
ARCHT-200A Sustainable Development & Environmental Design 3.0

Biology Focus

BIOSCI-106 Organismal & Environmental Biology.....4.0

OR

BIOSCI-106H Organismal & Environmental Biology – Honors 4.0
BIOSCI-115 General Zoology.....4.0
BIOSCI-116 General Botany.....4.0
BIOSCI-130 Contemporary Issues in Environmental Biology.....3.0

Business Focus

BUS-100 Introduction to Business 3.0
BUS-117A Introduction to Entrepreneurship 3.0
BUS-117B Developing a Business Plan for Entrepreneurs.....3.0
BUS-140 Principles of Marketing 3.0
BUS-141 Principles of Advertising 3.0

Environment Focus

ENVRMT-101 Introduction to Environmental Studies: Environmental Change and Sustainability 3.0
ENVRMT-103 Introduction to Environmental Science.....4.0
ENVRMT-104 Energy Resources Conservation.....3.0

Fire Technology Focus

FIRETC-101 Principles of Emergency Services...3.0
FIRETC-102 Fire Prevention 3.0
FIRETC-110 Wildland Fire Behavior 3.0
FIRETC-123 Fire Investigation 3.0

Geography Focus

GEOGRPH-100 Physical Geography 3.0
GEOGRPH-101 Physical Geography with Lab.....4.0
GEOGRPH-102 Human Geography 3.0
GEOGRPH-103 Weather and Climate 3.0
GEOGRPH-104 World Regional Geography 3.0
GEOGRPH-105 California Geography.....3.0

Geology Focus

GEOLOGY-100 Physical Geology.....3.0
GEOLOGY-101 Physical Geology with Lab 4.0
GEOLOGY-102 Earth History & The Fossil Record...4.0
GEOLOGY-104 Environmental Geology 3.0
GEOLOGY-105 California Geology.....3.0
GEOLOGY-111 Dinosaurs with Lab.....4.0

Global Studies Focus

GLST-101 Introduction to Global Studies 3.0
GLST-102 Global Issues.....3.0
GEOGRPH-104 World Regional Geography 3.0
POLS-270 International Relations.....3.0

Marine Sciences Focus

BIOSCI-119 Marine Biology.....4.0

OR

OCEAN-119 Marine Biology.....4.0
OCEAN-101 Introduction to Oceanography 4.0

Public Health Science Focus

HLHSCI-100 Health Education 3.0
HLHSCI-140 Introduction to Public Health.....3.0

Real Estate Focus

REAL-100 Real Estate Principles 3.0
REAL-101 Real Estate Practices 3.0
REAL-120 Real Estate Appraisal 3.0

Sociology Focus

SOCI-101 Introduction to Sociology 3.0

OR

SOCI-101H Introduction to Sociology – Honors 3.0
SOCI-102 Introduction to Sociological Research 3.0
SOCI-104 Introduction to Social Justice Studies.....3.0
SOCI-207 Social Problems.....3.0
SOCI-210 Sociology of Deviance.....3.0
SOCI-250 Introduction to Criminology.....3.0

GEOGRPH 100 PHYSICAL GEOGRAPHY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID GEOG 110

Explores spatial study of the Earth's dynamic physical systems and processes. Topics include: Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere. Emphasis is on the interrelationships among environmental and human systems and processes and their resulting patterns and distributions. Tools of geographic inquiry are also briefly covered; they may include: maps, remote sensing, Geographic Information Systems (GIS) and Global Positioning Systems (GPS). Field trips may be required.

Continued on the next page.

GEOGRPH 101 PHYSICAL GEOGRAPHY WITH LAB

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab
C-ID GEOG 115

Explores spatial study of the Earth's dynamic physical systems and processes. Topics include: Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere. Emphasis is on the interrelationships among environmental and human systems and processes and their resulting patterns and distributions. Tools of geographic inquiry are also briefly covered; they may include: maps, remote sensing, Geographic Information Systems (GIS) and Global Positioning Systems (GPS). The laboratory portion of this course is designed to provide supplemental exercises in topics covered in the lecture. Lab experience will include map analysis and interpretation, weather prognostication, landform processes and evolution, tectonics, biogeography, and habitat analysis.

GEOGRPH 102 HUMAN GEOGRAPHY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID GEOG 120

Introduces the study of a diverse human population, their cultural origins, diffusion and contemporary spatial distribution. Topics include an overview of demography, language, religion, folk and pop culture, urbanization and gentrification, political units, economic systems, and human-environment interactions. Field trips may be required.

GEOGRPH 103 WEATHER AND CLIMATE

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID GEOG 130

Introduces the mechanics and processes of the Earth's atmosphere. Topics include atmospheric structure and composition, solar radiation and energy balances, seasonal changes, atmospheric moisture, clouds and fog, air pressure, winds, air masses and fronts, cyclones, weather forecasting, climate and climate change. Field tips may be required.



GEOGRPH 104 WORLD REGIONAL GEOGRAPHY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID GEOG-125

Explores the world's culture regions and nations as interpreted by geographers, including physical, cultural, and economic features. Emphasis on spatial and historical influences on population growth, transportation networks, and natural environments. Identification and importance of the significant features of regions. Field trips may be required.

GEOGRPH 105 CALIFORNIA GEOGRAPHY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID GEOG 140

Explores California's physical features, such as its mountains, valleys, deserts, and coastline, and the ways in which these features and regions have influenced the human and physical landscape. Topics include California's weather & climate, natural resources, native vegetation & flora, cultural landscapes, ethnic diversity, agricultural & urban regions, water resources, and California's economy. Field trips may be required.

GEOGRPH 110 MAPS AND SPATIAL REASONING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID GEOG 150

Develops spatial reasoning skills through a survey of maps, spatial science concepts, and geospatial technologies. Topics include geospatial information, navigation, map projections, symbolization, misuse of maps, and analysis of spatial data.

GEOLOGY

Geology is the science that studies the earth. These studies includes Earth's formation and composition, the processes that create resources such as fuels, minerals, and construction materials, the energy systems that modify landforms on the crust, the historical evolution of life and global climates, and the continuing interaction between humans and the natural environment.

Through lecture, lab and field study, the geology program provides insight, perspective, and application required to assist citizens in making well-informed decisions concerning earth-related issues such as water resources, building and engineering, natural disasters, agriculture and ocean resources, and the long-term effects on our planet from an increasing population.

Associate in Science for Transfer Degree: Geology

TThe Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AS-T in Geology. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to synthesize information from a variety of sources and disciplines in order to solve geologic problems.

Program Requirements:

Units Required: 28 – 29

		Units
GEOLOGY-101	Physical Geology with Lab	4.0
GEOLOGY-102	Earth History & The Fossil Record	4.0
CHEM-201	General Chemistry I	5.0
	OR	
CHEM-201H	General Chemistry I – Honors	5.0
CHEM-202	General Chemistry II	5.0
MATH-211	Calculus I	5.0
	OR	
MATH-211X	Calculus I with Support	6.0
MATH-212	Calculus II	5.0

GEOLOGY 100 PHYSICAL GEOLOGY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID GEOL 100

Explores the fundamental principles of geology with an emphasis on Earth processes, landforms, composition, and internal structure and origin. Included is an overview of minerals, rocks, volcanoes, earthquakes, plate tectonics, geologic time, and geomorphology. Field trips may be required.

GEOLOGY 101 PHYSICAL GEOLOGY WITH LAB

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab
C-ID GEOL 101

Explores the fundamental principles of geology with an emphasis on Earth processes, landforms, composition, and internal structure and origin. Provides the principles and tools of direct and remote observation of Earth's crustal evolution and surface processes through the hands-on analysis of minerals, rocks, fossils, topographic and geologic maps, cross-sections, and other geologic tools. Lecture and Lab. Field trips may be required.

GEOLOGY 102 EARTH HISTORY & THE FOSSIL RECORD

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab
C-ID GEOL 111

Studies the evolution of the Earth's crust and the Earth's plant and animal life from the beginnings to the present as revealed in geologic strata and in the fossil record. Emphasizes the evolution of the North American continent, its landforms, contiguous oceans, animals and plants, including some study of the principles of paleontology. Field trips may be required.

GEOLOGY 103 DINOSAURS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Presents the origins, evolution, diversity, anatomy, physiology, ecology, habitat, behaviors, extinction, and paleontology of the dinosaurs in the Mesozoic Era.

GEOLOGY 104 ENVIRONMENTAL GEOLOGY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID GEOL 130

Examines the connections between the geosphere, biosphere, atmosphere, and hydrosphere of the earth system as they relate to natural hazards, earth resources and human impacts on the environment within a geologic context. Field trips may be required.

Continued on the next page.

GEOLOGY 105 GEOLOGY OF CALIFORNIA

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID GEOL 200

Surveys the major geomorphic provinces of California, including their geologic history, topography, geologic structures, rock units, natural resources, and possible environmental risks. Field trips may be required.

GEOLOGY 110 EARTH SCIENCE WITH LAB

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54 hours lecture, 54.00 hours lab
C-ID GEOL 121

An introduction to the essentials of Earth Science with a laboratory. Topics include the geosphere, atmosphere, hydrosphere, and solar system. This course focuses on the interactions between physical and chemical systems of the Earth such as the tectonic cycle, rock cycle, hydrologic cycle, weather and climate. Field trips may be required.

GEOLOGY 111 DINOSAURS WITH LAB

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54 hours lecture, 54.00 hours lab

Presents the origins, evolution, diversity, anatomy, physiology, ecology, habitat, behaviors, extinction, and paleontology of the dinosaurs in the Mesozoic Era. Lab provides hands-on experience with palaeobiological methodologies, evolutionary relationships, and interpretation of fossil specimens. Lecture and Lab. Field trips may be required.

GERMAN

(See Modern Languages)

GLOBAL STUDIES

Associate in Arts for Transfer Degree: Global Studies

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus.

Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Global Studies. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to Identify major and emerging global issues and trends, and the definition of globalization.

Program Requirements:

Units Required: 21 – 25

		Units
GLST-101	Introduction to Global Studies	3.0
GLST-102	Global Issues	3.0

Take five courses from the following for a minimum of 15 units, at least one course from four of the following five sections:

Culture and Society Area

ANTHRO-103	Cultural Anthropology	3.0
	OR	
ANTHRO-103H	Cultural Anthropology – Honors	3.0

Economic Area

ECON-C2001	Principles of Microeconomics	3.0
	OR	
ECON-C2001H	Principles of Microeconomics – Honors	3.0
ECON-C2002	Principles of Macroeconomics	3.0
	OR	
ECON-C2002H	Principles of Macroeconomics – Honors	3.0

Geography Area

GEOGRPH-102	Human Geography	3.0
GEOGRPH-104	World Regional Geography	3.0

Humanities Area

ENGL-273	World Literature I	3.0
ENGL-274	World Literature II	3.0

FRNCH-201	Intermediate French I	5.0
FRNCH-202	Intermediate French II	5.0
SPAN-201	Intermediate Spanish I	5.0
SPAN-202	Intermediate Spanish II	5.0

Politics Area

POLS-250	Comparative Government and Politics	3.0
POLS-270	International Relations	3.0

Certificate of Achievement: Global Competencies

The Certificate of Achievement in Global Competencies is an interdisciplinary program of study designed to expose students to a diversity of foundational courses that collectively lead to heightened global awareness and responsibility. Students completing this certificate will be better prepared for degrees in global studies or international relations, and/or careers in such fields as public relations, diplomacy, civil service, global trade, global policy, world health and related affairs, and humanitarian services amongst others.

Certificate Student Learning Outcome:

- Students will be able to demonstrate an understanding of interdependent socio-cultural, geographical, and political systems inherent to international affairs and global communities.
- Students will be able to demonstrate an ability to apply sustainable and responsible perspectives to local, national, and international situations with a heightened awareness of their global impact.

Program Requirements:

Take six courses from the following for a minimum of 18 units, at least one course from each of the five areas:

Units Required: 18

		Units

Global Politics

POLS-210	Model United Nations	3.0
POLS-250	Comparative Government and Politics	3.0
POLS-270	International Relations	3.0

Regional Area Studies

GEOGRPH-104	World Regional Geography	3.0
HIST-191	History of Eastern Civilization I	3.0
HIST-193	History of India	3.0
HIST-212	History of the Middle East	3.0
HIST-240	Latin America Civilization	3.0
HIST-243	History of Mexico and the Mexican and Chicano Peoples	3.0

The Physical World

BIOSCI-130	Contemporary Issues in Environmental Biology	3.0
GEOGRPH-100	Physical Geography	3.0
GEOGRPH-103	Weather and Climate	3.0

The Socio-Historical World

ANTHRO-103	Cultural Anthropology	3.0
	OR	
ANTHRO-103H	Cultural Anthropology – Honors	3.0
ANTHRO-220	Magic, Witchcraft, and Religion	3.0
ENGL-273	World Literature I	3.0
GEOGRPH-102	Human Geography	3.0
HUMAN-115	Cultural Eras in Humanities I: Antiquity to the Late 15th Century	3.0
PHILOS-220	Introduction to Comparative Religion	3.0
SOCI-102	Introduction to Sociological Research Methods	3.0
SOCI-200	Sociology of Gender	3.0
SOCI-200H	Sociology of Gender – Honors	3.0
SOCI-205	Society and the Environment	3.0
SOCI-207	Social Problems	3.0

World Culture and Arts

ART-100	Landmarks of Art and Visual Culture	3.0
ARTH-C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ARTH-C1200	Survey of Art from the Renaissance to Contemporary	3.0
ART-112	Art of Africa, Oceania, and the Indigenous Americas	3.0
ART-116	Asian Art History	3.0
CINEMA-131	History of International Cinema	3.0
CULARTS-133	International Cuisine	2.5
DANCE-101	Introduction to World Dance	1.0
MUSIC-108	World Music	3.0
MUSIC-112	Music History	3.0

GLST 101 INTRODUCTION TO GLOBAL STUDIES

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

Introduces the interdisciplinary field of Global Studies, including the history of globalization and related forms of social change, and economic, political, social, cultural and ecological developments related to the process of globalization.

GLST 102 GLOBAL ISSUES

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

Examines the origins, current status, and future trends of major transnational issues confronting the global community, focusing on global governance, including the study of collective global responsibilities.

GRAPHIC AND MULTIMEDIA DESIGN

Associate in Arts Degree: Graphic and Multimedia Design

The primary goal of the Associate in Arts Degree in Graphic and Multimedia Design is to provide students with a foundation of knowledge and technical abilities required for a position within the field of graphic and multimedia design. In addition to providing students with basic skills and competencies, course work is sequenced to facilitate transferability to an art or design program at a four-year university.

Degree Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in a graphic and multimedia position.

Program Requirements:
Units Required: 33

		Units
ART-125A	Fundamentals of Drawing	3.0
GMD-101	Introduction to Graphic and Multimedia Design	3.0
GMD-104	Graphic Design for Web and Social Media	3.0
GMD-107	Multimedia for Web and Social Media	3.0
GMD-120	History of Graphic Design	3.0
GMD-142	Digital Illustration	3.0
GMD-144	Graphic Design I	3.0
GMD-145	Type and Typography	3.0
GMD-173	Motion Design	3.0
GMD-177	Web and Interactive Design	3.0
GMD-242	Graphic Design II	3.0

Certificate of Achievement: Graphic and Multimedia Design

The Certificate of Achievement in Graphic and Multimedia Design develops students' creative and technical skills by providing hands-on training in current technologies. The two-year program prepares students for employment in the fields of graphic design for web, social media, user interface, motion, and illustration, as well as digital photography, art direction, video production and game design.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in a graphic and multimedia position.

Program Requirements:
Units Required: 31

		Units
GMD-101	Introduction to Graphic and Multimedia Design	3.0
GMD-104	Graphic Design for Web and Social Media	3.0
GMD-107	Multimedia for Web and Social Media	3.0
GMD-120	History of Graphic Design	3.0
GMD-142	Digital Illustration	3.0
GMD-144	Graphic Design I	3.0
GMD-145	Type and Typography	3.0
GMD-173	Motion Design	3.0
GMD-177	Web and Interactive Design	3.0
GMD-242	Graphic Design II	3.0

Plus a minimum of one unit from the following:

WE-186GMD	Work Experience Education Graphic & Multimedia Design	1.0 - 4.0

GMD 097L MULTIMEDIA LAB

Units: 1.00 (1.00 unit lab)
54.00 hours lab

A lab for the currently-enrolled graphics student who wishes to increase skills through the use of the graphics lab facility. Note: Students must attend faculty supervised weekly scheduled class time posted in printed schedule. Hours must be accrued at a time separate from any other class in which the student is also registered. This course is not a required course for any certificate or degree in the graphics program. Offered pass/no-pass only. Units do not apply to the associate degree.

GMD 101 INTRODUCTION TO GRAPHIC AND MULTIMEDIA DESIGN

Units: 3.00 (3.00 units lecture)
UC:CSU 36.00 hours lecture, 54.00 hours lab

Introduces concepts and practices applicable to graphic and multimedia design, including the elements and principles of form, divergent thinking, and the creative process. Through a series of projects, students explore the language of design, as a combination of visual communication, semiotics, and self-expression. Includes instruction in industry standard software applications, such as: Adobe Photoshop and Adobe Illustrator.

GMD 104 GRAPHIC DESIGN FOR WEB AND SOCIAL MEDIA

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

Introduces the fundamental concepts, terminology and techniques to design and manage brand identity for web and social media with applications such as Twitter, Facebook, Instagram, YouTube, Snapchat, LinkedIn and emerging social media platforms.

GMD 107 MULTIMEDIA FOR WEB AND SOCIAL MEDIA

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

Introduces the fundamental concepts, terminology and techniques to produce and manage multimedia assets including images, illustrations, graphics, animation, video, and sound for web and social media using applications such as Illustrator and Photoshop.

GMD 120 HISTORY OF GRAPHIC DESIGN

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Surveys the origin and evolution of graphic design, including the development of typography, advertising, poster design, illustration, corporate identities and trademarks.

GMD 142 DIGITAL ILLUSTRATION

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

Introduces digital illustration for graphic design using industry standard software, such as Adobe Illustrator.

GMD 144 GRAPHIC DESIGN I

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: GMD-101

Introduces techniques for the conception, creation and production of graphic design and visual communication through a variety of techniques which include the use of industry standard software, such as Adobe Illustrator and InDesign. Introduces Professional Practice Standards.

GMD 145 TYPE AND TYPOGRAPHY

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

UC:CSU 36.00 hours lecture, 54.00 hours lab

Offers a comprehensive introduction to type and typography in the context of graphic design and visual communication. Students will explore fundamental typographic principles and techniques using industry-standard software, including Adobe Illustrator and InDesign, to develop essential skills in digital and print design. Through practical applications, students will engage with typography as a critical component of visual storytelling and professional design practice..

GMD 173 MOTION DESIGN

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

Introduces the fundamental concepts, terminology, and techniques of motion design using industry standard software such as Adobe AfterEffects.

GMD 177 WEB AND INTERACTIVE DESIGN

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

Recommended preparation: GMD-101 and GMD-145

Introduces the fundamental concepts, terminology and techniques of web and interactive design using CMS (web content management system) platforms.

GMD 242 GRAPHIC DESIGN II

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: GMD-144

Introduces advanced techniques for the conception, creation and production of graphic design and visual communication through a variety of techniques which include the use of industry standard software, such as Adobe Illustrator and InDesign. Introduces Professional Practice Standards.

HEALTH SCIENCE

Associate in Science for Transfer Degree: Public Health

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an “associate degree for transfer”, a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis.

This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AS-T in Public Health. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to demonstrate the core science and health education principles necessary to function in public health careers.

Program Requirements:

Units Required: 24 – 26

		Units
HLHSCI-100	Health Education	3.0
HLHSCI-140	Introduction to Public Health	3.0

Plus one course from the following

HLHSCI-113	Social Determinants of Health, Disparities and Equities	3.0
SOCI-110	Self and Society	3.0

Plus one course from the following:

PSYC-104	Statistics for the Behavioral Sciences	4.0
STAT-C1000	Introduction to Statistics	4.0
STAT-C1000E	Introduction to Statistics	5.0
STAT-C1000H	Introduction to Statistics – Honors	4.0
SOCI-137	Statistics for the Social Sciences	4.0

Plus one course from the following:

BIOSCI-100	General Biology	4.0
BIOSCI-100H	General Biology – Honors	4.0
BIOSCI-101	Introductory Biology for Health Professions	4.0
BIOSCI-107	Molecular and Cellular Biology	4.0
BIOSCI-107H	Molecular and Cellular Biology – Honors	4.0

Plus one course from the following:

BIOSCI-201	Introduction to Human Anatomy	4.0
BIOSCI-202	Introduction to Human Physiology	4.0
BIOSCI-221	Introduction to Microbiology	4.0
CHEM-151	Preparatory General Chemistry	4.0
CHEM-151H	Preparatory General Chemistry – Honors	4.0
CHEM-201	General Chemistry I	5.0
CHEM-201H	General Chemistry I – Honors	5.0

Plus one course from the following:

HLHSCI-101	Introduction to Health and healthcare Careers	3.0
HLHSCI-243	Women and Health	3.0
ANTRHO-103	Cultural Anthropology	3.0
ANTRHO-103H	Cultural Anthropology – Honors	3.0
GEOGRPH-102	Human Geography	3.0
PSYC-C1000	Introduction to Psychology	3.0
PSYC-C1000H	Introduction to Psychology – Honors	3.0
SOCI-101	Introduction to Sociology	3.0
SOCI-101H	Introduction to Sociology – Honors	3.0

HLHSCI 100 HEALTH EDUCATION

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PH 100

Surveys the physical, emotional, social, intellectual, environmental, and spiritual dimensions of health. Health topics will include nutrition, physical activity/ exercise/fitness, weight control, eating disorders and body image, media influences, mental health, stress, violence, substance use/abuse, sexuality and sexual orientation, sexually transmitted infections, reproductive choices/contraception, relationships, disease prevention, environment, health care, aging, and general public health issues. An emphasis will be placed on prevention strategies and lifestyle behavior change techniques, and the knowledge and skills necessary to implement lifestyle behaviors that can improve their health and well-being. UC credit limitation: HLHSCI-100, and HLHSCI-243 combined, maximum credit one course.

HLHSCI 101 INTRODUCTION TO HEALTH AND HEALTHCARE CAREERS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID PH 105

Recommended Preparation: Eligibility for ENGL-C1000 or ENGL-C1000H

Provides an overview of health care careers and their respective career paths, educational and skill requirements, and professional responsibilities. Basic skills required by health-related careers, such as emphasizing personal attributes, demonstrating professionalism, engaging in teamwork, and building communication skills will be covered. Students will be assisted in making educational and career decisions for a wide variety of health care occupations

HLHSCI 113 SOCIAL DETERMINANTS OF HEALTH, DISPARITIES AND EQUITIES

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PH 113

Recommended Preparation: Eligibility for ENGL-C1000 or ENGL-C1000H

Examines personal and social determinants of health through the examination of the role individuals play in their own health and wellbeing, along with the impact of environmental, social, structural, and cultural factors that play a role both in individual and community and public health. Health disparities and inequities in sexually diverse, gender, racial, and traditionally marginalized populations will be explored, and culturally competent ideas to bridge the health equity gap and improve population health will be developed.

HLHSCI 140 INTRODUCTION TO PUBLIC HEALTH

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PHS 101

Recommended Preparation: Eligibility for ENGL-C1000 or ENGL-C1000H

Presents an overview of the disciplines of community and public health. Topics include the basic concepts and terminologies of public health; an overview of various public health professions and organizations; the study, prevention and control of diseases in the community; the analysis of the social determinants of health; strategies for eliminating disease, illness, and health disparities among various populations; community organizing and health promotion programming; school health promotion; environmental health and safety; and an overview of the healthcare delivery system in the United States. Emphasis will be placed on the development of knowledge and preliminary skills to serve as an effective advocate for community and public health.



HLHSCI 149 NUTRITION FOR FITNESS AND BALANCED LIVING

Units: 2.00 (2.00 units lecture)
UC:CSU 36.00 hours lecture

Examines the psycho-biological, cultural, social, cognitive, and environmental factors that influence a person's eating, physical activity behaviors, and body image. Provides practical strategies to promote healthy attitudes and behaviors. UC credit limitation: HLHSCI-149 and HLHSCI-150 combined, maximum credit one course.

HLHSCI 150 NUTRITION SCIENCE

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Scientific concepts of nutrition related to the function of nutrients in basic life processes and current health issues with emphasis on individual needs. UC credit limitation: HLHSCI-149 and HLHSCI-150 combined, maximum credit one course.

HLHSCI 243 WOMEN'S HEALTH

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PH 116

Recommended Preparation: Eligibility for ENGL-C1000 or ENGL-C1000H

Analyzes the biological, psychological, and sociocultural aspects of women's health, and explores health services, health education, and healthcare delivery systems. Social determinants of health and health inequities are examined, as well as contemporary issues relating to LGBTQ+ rights, racism, ageism, gender stereotypes and gender roles, politics, and the role of women in the family, workforce, community, and society. Strategies for social and political change are developed. HLHSCI-100 and HLHSCI-243 combined, maximum credit one course

HLHSCI 249 MEDICAL TERMINOLOGY

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID HITS 103X

Presents a comprehensive study of medical terminology, emphasizing the meanings by dividing words into their component parts. Basic anatomy, physiology, and pathology are discussed. Correct spelling, pronunciation and meaning of common medical terms related to individual body systems, clinical procedures, diagnostic tests, and pathological conditions are covered.

HISTORY

In a broad sense, history is the study and record of all human experience. It examines people, institutions, ideas and events through the past, develops cultural literacy, critical thinking and other useful skills while helping to plan for the future. By having knowledge of the origins and people of the past we are able to obtain a better understanding of ourselves as individuals and as a society.

History provides a solid fundamental preparation for careers in business, industry, government and education. It also serves as a preparation for law school, foreign service, international work, urban affairs, and library science.

Associate in Arts for Transfer Degree: History

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in History. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Program Requirements:

Units Required: 18

		Units
HIST-C1001	United States History to 1877	3.0
	OR	
HIST-C1001H	United States History to 1877 – Honors	3.0
HIST-C1002	United States History Since 1865	3.0
	OR	
HIST-C1002H	United States History Since 1865 – Honors	3.0
	Plus six units from the following:	
HIST-101	History of Western Civilization: The Pre-Industrial West	3.0
	OR	
HIST-101H	History of Western Civilization: The Pre-Industrial West – Honors	3.0
HIST-161	World History I	3.0
	AND	
HIST-102	History of Western Civilization: The Modern Era	3.0
	Plus three units from the following:	
HIST-120	The Role of Women in the History of the United States	3.0
HIST-120H	The Role of Women in the History of the United States – Honors	3.0
HIST-191	History of Eastern Civilization I	3.0
HIST-192	History of Eastern Civilization II	3.0
HIST-193	History of India	3.0
HIST-212	History of the Middle East	3.0
HIST-240	Latin American Civilization	3.0
HIST-243	History of Mexico and the Mexican and Chicano Peoples	3.0
	Plus three units from the following:	
ANTHRO-103	Cultural Anthropology	3.0
ANTHRO-103H	Cultural Anthropology – Honors	3.0
ECON-170	Economic History of the United States	3.0
ECON-170H	Economic History of the United States – Honors	3.0
HIST-116	African American History to 1877	3.0
HIST-117	African American History Since 1877	3.0
HIST-130	Social and Cultural History of the United States	3.0
HIST-210	History of California	3.0
HIST-230	The Role of Native Americans in the History of the U.S.	3.0

POLS-C1000	American Government and Politics	3.0
POLS-C1000H	American Government and Politics - Honors	3.0

Associate in Arts Degree: History

Degree Student Learning Outcome:

Students will be able to analyze and interpret the significance of specific historical events and time periods.

Program Requirements:

Units Required: 18

		Units
HIST-101	History of Western Civilization: The Pre-Industrial West	3.0
	OR	
HIST-101H	History of Western Civilization: The Pre-Industrial West – Honors	3.0
HIST-102	History of Western Civilization: The Modern Era	3.0
HIST-C1001	United States History to 1877	3.0
	OR	
HIST-C1001H	United States History to 1877 – Honors	3.0
HIST-C1002	United States History Since 1865	3.0
	OR	
HIST-C1002H	United States History Since 1865 – Honors	3.0
	Plus three units from the following:	
HIST-191	History of Eastern Civilization I	3.0
HIST-192	History of Eastern Civilization II	3.0
HIST-240	Latin American Civilization	3.0
	Plus three units from the following:	
ECON-170	Economic History of the United States	3.0
ECON-170H	Economic History of the United States – Honors	3.0
HIST-115	United States History Since 1945	3.0
HIST-116	African American History to 1877	3.0
HIST-117	African American History Since 1877	3.0
HIST-120	The Role of Women in the History of the United States	3.0
	OR	
HIST-120H	The Role of Women in the History of the United States – Honors	3.0
HIST-161	World History I	3.0
	OR	
HIST-193	History of India	3.0
HIST-210	History of California	3.0
HIST-230	The Role of Native Americans in the History of the U.S.	3.0
HIST-212	History of the Middle East	3.0
HIST-243	History of Mexico and the Mexican and Chicano Peoples	3.0

HIST C1000 UNITED STATES HISTORY TO 1877

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID HIST 130

This course is a historical survey of the United States, from Indigenous North America to the end of Reconstruction. The course also introduces students to historical reasoning skills. Surveys North American and US history from the Precolumbian Era through Reconstruction, emphasizing political, social, cultural, and economic developments. UC credit limitation: HIST C1001, 1001H, 1002, 1002H and 115 combined, maximum credit, two courses. Formerly HIST-111.

HIST C1000H UNITED STATES HISTORY TO 1877 — HONORS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID HIST 130

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

This course is a historical survey of the United States, from Indigenous North America to the end of Reconstruction. The course also introduces students to historical reasoning skills. This is an honors course. Surveys North American and US history from the Precolumbian Era through Reconstruction, emphasizing political, social, cultural, and economic developments. Additional reading, writing, and research techniques required for the Honors version of this course. UC credit limitation: HIST C1001, C1001H, C1002, C1002H and 115 combined, maximum credit, two courses. Formerly HIST-111H.

HIST C1002 UNITED STATES HISTORY SINCE 1865

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID HIST 140

This course is a historical survey of the United States from the end of the Civil War to the present. The course also introduces students to historical reasoning skills. UC credit limitation: HIST C1001, 1001H, 1002, 1002H and 115 combined, maximum credit, two courses. Formerly HIST-112.

HIST C1002H UNITED STATES HISTORY SINCE 1865 — HONORS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID HIST 140

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

This course is a historical survey of the United States from the end of the Civil War to the present. The course also introduces students to historical reasoning skills. This is an honors course. Additional reading, writing, and research techniques required for the Honors version of this course. UC credit limitation: HIST C1001, C1001H, C1002, C1002H and 115 combined, maximum credit, two courses. Formerly HIST-112H.

HIST 101 HISTORY OF WESTERN CIVILIZATION: THE PRE-INDUSTRIAL WEST

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID HIST 170

Surveys the history and cultures of Western Civilization from earliest times to the 16th Century, including the development of economic, socio-political, and cultural institutions that impacted both men and women from pre-history to Riverine cultures of the Near East, Greco-Roman world, and medieval and early modern Europe up through the reformation.

HIST 101H HISTORY OF WESTERN CIVILIZATION: THE PRE-INDUSTRIAL WEST — HONORS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID HIST 170

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

Surveys the history and cultures of Western Civilization from earliest times to the 16th Century, including the development of economic, socio-political, and cultural institutions that impacted both men and women from pre-history to Riverine cultures of the Near East, Greco-Roman world, and medieval and early modern Europe up through the reformation. Additional reading, writing, critical thinking, and research techniques are required.

HIST 102 HISTORY OF WESTERN CIVILIZATION: THE MODERN ERA

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID HIST 180

Surveys the development of western culture and civilization from the 16th Century Absolutism to the present period, including the economic, socio-political, and cultural developments that impacted both men and women in Europe, the Americas, and the emergent nations of the modern era.

HIST 115 UNITED STATES HISTORY SINCE 1945

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Examines the political, social, and cultural events occurring in the United States since 1945, exploring the connections with racial unrest, foreign and military policy, civil liberties, and governmental responsibility. UC credit limitation: HIST C1001, 1001H, 1002, 1002H and 115 combined, maximum credit, two courses.

HIST 116 AFRICAN AMERICAN HISTORY TO 1877

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys the experiences of African Americans from the Colonial period through the Civil War and Reconstruction, with sustained emphasis on interpreting African and African American philosophical, religious, literary, and artistic expressions. Emphasis is placed on the cultural, social, economic and political developments of African Americans during this time period. Students interpret poetry, sermons, spirituals, philosophical writings, and oral traditions as expressions of African and African American thought, focusing on how Black communities generated meaning, identity, and cultural continuity through literature, art, religion, and philosophy.

HIST 117 AFRICAN AMERICAN HISTORY SINCE 1877

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys the experiences of African Americans, tracing this community's history from the end of Reconstruction to the present. Emphasis is placed on the cultural, social, economic, and political developments of African Americans during this time period. Meets Title V American Institutions U.S. History requirement for the associate degree.

HIST 120 THE ROLE OF WOMEN IN THE HISTORY OF THE UNITED STATES

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Explores the political, economic, and intellectual history of women in the development of the United States from Indigenous America to the present day, including their challenges and contributions. Meets Title V American Institutions US History requirement for the associate degree.

HIST 120H THE ROLE OF WOMEN IN THE HISTORY OF THE UNITED STATES — HONORS

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

Explores the political, economic, and intellectual history of women in the development of the United States from Indigenous America to the present day, including their challenges and contributions. Meets Title V American Institutions US History requirement for the associate degree. Additional reading, writing, and research techniques required. Meets Title V American Institutions US History requirement for the associate degree.

HIST 130 SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Examines the social and cultural history of the United States, from the 15th century to the present and with a special focus on topics related to race, ethnicity, class, gender and sexual orientation. By examining different aspects of American culture (literature, films, television programs, paintings, photographs) the course analyzes the history of topics like slavery, segregation, and civil rights; capitalism, wealth, poverty, and economic inequality; women, gender identity, and sexual orientation; immigration; and the colonization of California and the American West. Meets Title V American Institutions U.S. History requirement for the associate degree.

HIST 161 WORLD HISTORY I

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

C-ID HIST 150

Examines world civilization from prehistory through the 1500s, including Greek and Roman philosophies, Confucianism, Hinduism, Buddhism, Christianity, Islam, political institutions, social practices, literature, women's status, and cross-cultural influences.

HIST 191 HISTORY OF EASTERN CIVILIZATION I

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Surveys Asian civilizations from antiquity to the 19th century, including philosophical and social environments and cultural and political trends. Specifically examines China and Japan, as well as neighboring areas like Korea, India, and Southeast Asia.

HIST 192 HISTORY OF EASTERN CIVILIZATION II

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Surveys Asian civilizations from the 19th century to the present, emphasizing the regions of China, Japan, Korea, India, and Southeast Asia. Topics include Western imperialism, nationalist movements, Asian affairs during World War II, communist regimes, economic modernization, and cultural trends.

HIST 193 HISTORY OF INDIA

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

History of India's diverse populations, social practices, religions, government institutions, nationalist movements, art, and literature from antiquity to the present, including the Indus Civilization, Mughal Empire, tenets and socio-political implications of Hinduism, Buddhism, Islam, British colonialism, communal strife, and modern India.

HIST 210 HISTORY OF CALIFORNIA

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Surveys the history of California from the pre-Columbian period to the twenty-first century. In addition to examining the social, cultural, political, and economic history of California, the course will also examine the Golden State within the contexts of local, national, and transnational history.

HIST 212 HISTORY OF THE MIDDLE EAST

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Surveys the Middle East, ancient civilizations in the Fertile Crescent leading up to the rise of Islam, including economic, political, ethnic, religious, and national differences.

HIST 230 NATIVE AMERICANS IN THE HISTORY OF THE U.S.

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Provides an in-depth exploration of the role of Native American and Indigenous peoples in shaping North American history. Examines the social, political, economic, legal, and cultural transformations of various tribes, focusing on the impacts of settler colonialism, including tragic massacres and conflicts with the U.S. Army. Students will gain a comprehensive understanding of Indigenous traditions, gender roles, literature, leadership, sovereignty issues, citizenship rights, treaty law, reservation life, landmark Supreme Court cases, and media stereotypes.

Continued on the next page.

HIST 240 LATIN AMERICAN CIVILIZATION

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Surveys the geography, history, culture, economic, and political development of Latin America from the late pre-Colombian era to the present.

HIST 243 HISTORY OF MEXICO AND THE MEXICAN AND CHICANO PEOPLES

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Examines the history of Mexico and the Mexican/Chicano people from the late Pre-Cortesian era to the present, including Aztec and Maya societies, Mexican Independence Movement, Mexican Revolution, and the North American Free Trade Agreement.

HIST 450 WORLD ENVIRONMENTAL HISTORY

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Explores the development of human societies and the natural world, from the origins of humankind to the present day. Focuses primarily on the 19th and 20th centuries, during the Anthropocene Epoch, when human activities had a significant impact on the environment, but also considers earlier periods. Upper division course, registration is limited to students with Senior Standing in the Bachelor of Science in Building Performance Degree program.

HOSPITALITY MANAGEMENT

Associate in Science for Transfer Degree: Hospitality Management

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AS-T in Hospitality Management. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for entry level employment in the hospitality management industry.

Program Requirements:

Units Required: 18 – 22

		Units
HOSP-101	Introduction to the Hospitality Industry	3.0
	Plus nine units from the following:	
CULARTS-110	Culinary Safety and Sanitation	2.0
ECON-C2001	Principles of Microeconomics	3.0
	OR	
ECON-C2001H	Principles of Microeconomics – Honors	3.0
HOSP-150	Hotel Resort Operations	3.0
HOSP-220	Restaurant Operations	3.0
	Plus two courses from the following for six to ten units:	
BUS-201	Principles of Accounting I	5.0
BUS-211	Business Law	3.0
STAT-C1000	Introduction to Statistics	4.0
	OR	
STAT-C1000E	Introduction to Statistics	5.0
	OR	
STAT-C1000H	Introduction to Statistics – Honors	4.0

Associate in Science Degree: Hospitality Management

The Associate of Science degree designation in Hospitality Management provides a broad based fundamental approach to the managerial functions in both the hotel and restaurant industry.

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in hospitality management.

Program Requirements:
Units Required: 19

		Units
HOSP-101	Introduction to the Hospitality Industry	3.0
HOSP-103	Hospitality and Event Management Coordination	3.0
HOSP-150	Hotel Resort Operations	3.0
HOSP-235	Hospitality Sales and Marketing	3.0
HOSP-245	Supervision in the Hospitality Industry	3.0
CULARTS-110	Culinary Safety and Sanitation	2.0

Plus a minimum of 2 units from the following:

WE-186HOSP	Work Experience Education Hospitality Management	1.0 – 4.0

Associate in Science Degree: Restaurant Management

The Restaurant Management Associate in Science Degree with a designation prepares students for a career in the restaurant industry.

Degree Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in restaurant management.

Program Requirements:
Units Required: 18

		Units
HOSP-101	Introduction to the Hospitality Industry	3.0
HOSP-104	Guest Relations Management	2.0
HOSP-220	Restaurant Operations	3.0
HOSP-245	Supervision in the Hospitality Industry	3.0
CULARTS-110	Culinary Safety and Sanitation	2.0
CULARTS-136	ICuE Front of the House Service	3.0
CULARTS-150	Food Service Costs and Controls	2.0

Plus a minimum of 2 units from the following:

WE-186HOSP	Work Experience Education Hospitality Management	1.0 – 4.0

Certificate of Specialization: Hospitality Meeting and Event Management Coordinator

The Hospitality Meeting and Event Management Coordinator Certificate of Specialization is designed for those interested in management and coordination of events. It includes comprehensive study with an emphasis on application of event planning, costing events and management coordination. Program completers are prepared for entry level employment as entertainment event manager, hotel event service coordinator, hotel event coordinator and company event coordinator.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the restaurant and hospitality industry.

Program Requirements:
Units Required: 11

		Units:
HOSP-101	Introduction to the Hospitality Industry	3.0
HOSP-103	Hospitality and Event Management Coordination	3.0
CULARTS-110	Culinary Safety and Sanitation	2.0
CULARTS-150	Food Service Costs and Controls	2.0

Plus a minimum of one unit from the following:

WE-186HOSP	Work Experience Education Hospitality Management	1.0 – 4.0

Certificate of Specialization: Hotel and Resort Operations

The Hotel and Resort Operations Certificate of Specialization is designed for those interested in hotel and resort management. It includes comprehensive study with an emphasis on application of resort operations, sales and marketing and supervision. Program completers are prepared for entry level employment as operations director, hotel operations supervisor and director of rooms.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the hotel and resort industry.

Program Requirements:
Units Required: 13

		Units:
HOSP-101	Introduction to the Hospitality Industry	3.0
HOSP-150	Hotel Resort Operations	3.0
HOSP-235	Hospitality Sales and Marketing	3.0
HOSP-245	Supervision in the Hospitality Industry	3.0

Plus a minimum of one unit from the following:

WE-186HOSP	Work Experience Education Hospitality Management	1.0 – 4.0

Certificate of Specialization: Restaurant Operations

The Restaurant Operations Certificate of Specialization is designed for those interested in restaurant management. It includes comprehensive study with an emphasis on application of restaurant operations, guest relations and customer service. Program completers are prepared for entry level employment as fast food manager, full service restaurant manager, team leader and assistant general manager.

Continued on the next page.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the restaurant and hospitality industry.

Program Requirements:
Units Required: 14

		Units:
HOSP-101	Introduction to the Hospitality Industry	3.0
HOSP-104	Guest Relations Management	2.0
HOSP-220	Restaurant Operations	3.0
CULARTS-110	Culinary Safety and Sanitation	2.0
CULARTS-136	ICuE Front of the House Service	3.0

Plus a minimum of one unit from the following:

WE-186HOSP	Work Experience Education Hospitality Management	1.0 – 4.0

HOSP 101 INTRODUCTION TO THE HOSPITALITY INDUSTRY
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID HOSP 100

Introduces careers and trends in the hotel, restaurant, and tourism industries, including social and economic forces that influence various industry components.

HOSP 103 HOSPITALITY AND EVENT MANAGEMENT COORDINATOR
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Explores the dynamic field of event management. Students will gain a foundational understanding of the core principles and practices necessary to develop and execute successful events. Topics include the planning, logistics, and execution of conventions, conferences, and special events. Field trips may be required.

HOSP 104 GUEST RELATIONS MANAGEMENT
Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
CSU 18.00 hours lecture, 54.00 hours lab

Introduces the fundamental principles of customer service and their impact on guest satisfaction. Explores the growing importance of personalized service in fostering customer loyalty and profitability, as businesses are placing renewed emphasis on guest relations. Students will gain a comprehensive understanding of core service principles for interacting with guests and effectively managing diverse situations. Guest relation practices include, effective communication, conflict resolution strategies, ethical and professional conduct, dietary accommodation, and cultural sensitivity. Field trips may be required.

HOSP 150 HOTE /RESORT OPERATIONS
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID HOSP 140

Introduces students to hotel/resort operating systems with an emphasis on the operations, accounting, and performance standards of a lodging enterprise.

HOSP 220 RESTAURANT OPERATIONS
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID HOSP 130

Examines operations, management, policy, development and related aspects of a retail restaurant establishment.

HOSP 235 HOSPITALITY SALES AND MARKETING
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines the fundamentals of marketing plans used by hotels and restaurants, emphasizing advertising, promotions, merchandising and sales.

HOSP 245 SUPERVISION IN THE HOSPITALITY INDUSTRY
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Provides a comprehensive analysis of the design and delivery of service industry products with emphasis on effective managerial oversight techniques. The performance and evaluation of operating systems are presented and then compared to the standards of leading industry performers.

HUMANITIES

Humanities studies the history and development of human thought and culture. By focusing on literature, history, philosophy, art and film, humanities courses seek a broad and interconnected understanding of the human experience.

HUMAN 100 INTRODUCTION TO STUDIES IN THE HUMANITIES
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces the Humanities by comparing and contrasting cultural expressions from a global perceptive, focusing on a chosen theme each term. Disciplines covered in the course include art history, film studies, history, literature, and philosophy. UC credit limitations: No credit for HUMAN-100 if taken after HUMAN-115, HUMAN-116 or HUMAN-150.

HUMAN 115 SURVEY OF HUMANITIES I: ANTIQUITY TO THE LATE 15TH CENTURY

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Presents an interdisciplinary, multi-cultural study of major eras of humanistic development from the ancient world to the late fifteenth century through representative works of visual art, architecture, music, philosophy, religion, and oral and written literature. UC credit limitations: No credit for HUMAN-100 if taken after HUMAN-115, HUMAN-116 or HUMAN-150.

HUMAN 116 SURVEY OF HUMANITIES II: LATE 15TH CENTURY TO THE PRESENT

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Presents an interdisciplinary, multi-cultural study of eras of humanistic development from the late 15th century to the present through representative works of visual art, architecture, music, philosophy, religion, and oral and written literature. UC credit limitations: No credit for HUMAN-100 if taken after HUMAN-115, HUMAN-116 or HUMAN-150.

HUMAN 150 INTRODUCTION TO GREAT IDEAS

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Traces the evolution of an idea in the humanities from antiquity and its influence on contemporary values and ideas through the reading of great works of literature and philosophy. UC credit limitations: No credit for HUMAN-100 if taken after HUMAN-115, HUMAN-116 or HUMAN-150.



INFORMATION TECHNOLOGY

(See Cybersecurity and Network Technology)

INTERIOR DESIGN

The Interior Design program's goals are to prepare graduates for employment in the current job market and/or for transfer to a four-year institution. An important objective of the program is to consistently offer professional level curriculum that provides graduates with the ability to perform successfully in a variety of occupations as industry demands change and economic conditions fluctuate. Additionally, the comprehensive curriculum for this degree follows CIDA (Council for Interior Design Accreditation) standards to meet the functional and aesthetic needs required by clients for interior environments. Students who complete this A.S. Degree will be eligible to sit for the CID examination upon graduation, an important step towards becoming a Certified Interior Designer.

Associate in Science Degree: Interior Design

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in interior design.

Program Requirements:

Units Required: 45

		Units
ID-101A	Introduction to Interior Design	3.0
ID-101B	Introduction to Interior Design Lab	3.0
ID-102	Applied Color for Designers	3.0
ID-104	Rapid Visualization and Perspective Illustration	3.0
ID-110	Architectural Drafting	3.0
ID-113	Interior Design Materials and Specifications	3.0
ID-114	Architecture and Interiors History: Classical Revival	3.0
ID-115	Architecture and Interiors History: Classical Revival - Post Modern	3.0
ID-117	Lighting Design	3.0
ID-190	Design II - Space Planning	3.0
	OR	
ID-207	Residential Design	3.0
ID-211	Advanced Kitchen and Bath Design	3.0
ID-217	Advanced Residential Design	3.0
ID-295	Professional Practices for Interior Design	3.0

Continued on the next page.

Plus six units from the following that have not already been taken above:

ID-084	Digital Illustration for Architecture and Interior Design	3.0
ID-090	Home Staging and Visual Merchandising	3.0
ID-100	Careers in Architecture, Interior Design and Related Fields	1.0
ID-105	Introduction to Production Design	3.0
ID-106	Trade Resources for TV, Film, and Theatre	2.0
ID-111	Kitchen and Bath Design	3.0
ID-190	Design II - Space Planning	3.0
ID-207	Residential Design	3.0
ID-211	Advanced Kitchen and Bath Design	3.0
ID-217	Advanced Residential Design	3.0
ID-240	Interior Design Portfolio	3.0
ARCHT-160	2-D CAD for Architecture and Interior Design	3.0
ARCHT-180	Codes and Zoning Regulations	3.0
ARCHT-200A	Sustainable Development and Environmental Design	3.0
ARCHT-220	Advanced 2-D CAD for Architecture and Interior Design	3.0
ARCHT-240	Architectural Design Portfolio	3.0
ARCHT-260	3-D CAD for Modeling/Animation	3.0
ARCHT-270	Introduction To Building Information Modeling (BIM)	3.0
ARCHT-290	Advanced Building Information Modeling (BIM)	3.0
WE-186ID	Work Experience Education Interior Design	1.0 - 4.0

Certificate of Achievement: Interior Design

The Interior Design program's goals are to prepare graduates for employment in the current job market. An important objective of the program is to consistently offer professional level curriculum that provides graduates with the ability to perform successfully in a variety of occupations as industry demands change and economic conditions fluctuate. Additionally, the comprehensive curriculum for this certificate follows CIDA (Council for Interior Design Accreditation) standards to meet the functional and aesthetic needs required by clients for interior environments.

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in interior design.

Program Requirements:

Units Required: 40

		Units
ID-101A	Introduction to Interior Design	3.0
ID-101B	Introduction to Interior Design Lab	3.0
ID-102	Applied Color for Designers	3.0
ID-110	Architectural Drafting	3.0
ID-113	Interior Design Materials and Specifications	3.0
ID-114	Architecture and Interiors History: Antiquity - Classical Revival	3.0
ID-115	Architecture and Interiors History: Classical Revival - Post Modern	3.0
ID-117	Lighting Design	3.0
ID-207	Residential Design	3.0
ID-211	Advanced Kitchen and Bath Design	3.0
	OR	
ID-217	Advanced Residential Interior Design Studio	3.0
ID-295	Professional Practices for Interior Design	3.0

Plus seven units from the following that have not already been taken above:

ID-084	Digital Illustration for Architecture and Interior Design	3.0
ID-090	Home Staging and Visual Merchandising	3.0
ID-100	Careers in Architecture, Interior Design and Related Fields	1.0
ID-104	Rapid Visualization and Perspective Illustration	3.0
ID-105	Introduction to Production Design	3.0
ID-106	Trade Resources for TV, Film, and Theatre	2.0
ID-111	Kitchen and Bath Design	3.0
ID-114	Architecture and Interiors History: Antiquity - Classical Revival	3.0
ID-115	Architecture and Interiors History: Classical Revival - Post Modern	3.0
ID-211	Advanced Kitchen and Bath Design	3.0
ID-217	Advanced Residential Interior Design Studio	3.0
ID-240	Interior Design Portfolio	3.0
ARCHT-160	2-D CAD for Architecture and Interior Design	3.0
WE-186ID	Work Experience Education Interior Design	1.0 - 4.0

Certificate of Achievement: Interior Design – Home Staging and Visual Merchandising

This certificate prepares students to become interior decorators whose primary industry employment will be in retail furniture sales and retail display design.

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment as an assistant to an interior designer or decorator, or a salesperson within the residential home furnishing industry.

Program Requirements:

Units Required: 24

		Units
ID-090	Home Staging and Visual Merchandising	3.0
ID-101A	Introduction to Interior Design	3.0
ID-101B	Introduction to Interior Design Lab	3.0
ID-102	Applied Color for Designers	3.0
ID-104	Rapid Visualization and Perspective Illustration	3.0
ID-295	Professional Practices for Interior Design	3.0

Plus six units from the following two groups:

REAL-101	Real Estate Principles	3.0
	AND	
ID-240	Interior Design Portfolio	3.0
	OR	
PHOTO-155	Photography	3.0
	OR	
BUS-113	Retail Management	3.0
	AND	
ID-240	Interior Design Portfolio	3.0
	OR	
PHOTO-155	Photography	3.0

Certificate of Achievement: Interior Design — Set Decorator for TV and Film

This certificate is designed to prepare students for internships and employment opportunities as production assistants in TV and film. Upon completion of the certificate program, students will be able to pursue the following positions: prop house worker, prop house consultant, set dresser, assistant set dresser, on-set dresser, lead of set decoration department, swing gang worker, and set decorator for small non-union productions. Students will obtain the following skills and knowledge: color application, identification of period history, the application of principles and elements of design, and the ability to obtain trade resources.

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment as a set decorator for TV, film or theatre.

Program Requirements:

Units Required: 17

		Units
ID-101A	Introduction to Interior Design	3.0
ID-102	Applied Color for Designers	3.0
ID-105	Introduction to Production Design	3.0
ID-106	Trade Resources for TV, Film, and Theatre	2.0

Plus six units from the following:

ID-084	Digital Illustration for Architecture and Interior Design	3.0
ID-090	Home Staging and Visual Merchandising	3.0
ID-101B	Introduction to Interior Design Lab	3.0
ID-114	Architecture and Interiors History: Antiquity - Classical Revival	3.0
ID-115	Architecture and Interiors History: Classical Revival - Post Modern	3.0

ID 084 DIGITAL ILLUSTRATION FOR ARCHITECTURE AND INTERIOR DESIGN

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

36.00 hours, lecture, 54.00 hours lab

Introduces fundamental digital 3D modeling and graphic illustration techniques for architecture and interior design. Same as ARCHT-084.

ID 090 HOME STAGING AND VISUAL MERCHANDISING

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

36.00 hours lecture, 54.00 hours lab

Prepares students for design careers in Home Staging and Visual Merchandising. Home Staging is the organization, design, and preparation of a private residence for sale. Visual Merchandising is the practice of designing and displaying products in a retail setting and online platforms with the goal of engaging shoppers and boosting sales. Course will begin a student's preparation for employment as a decorator, design assistant, or salesperson within the residential home furnishing industry or in retail merchandising and visual display. Field trips may be required.

ID 100 CAREERS IN ARCHITECTURE, INTERIOR DESIGN AND RELATED FIELDS

Units: 1.00 (1.00 unit lecture)

CSU 18.00 hours lecture

Surveys careers in architecture, interior design and related fields, including degree requirements, transfer institutions, income, and employment opportunities. Field trips may be required. Same as ARCHT-100.

Continued on the next page.

ID 101A INTRODUCTION TO INTERIOR DESIGN

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
Previous or Concurrent Enrollment: ID-101A
A laboratory course focusing on principles and elements of interior design based on function and aesthetics. Field trips may be required.

ID 101B INTRODUCTION TO INTERIOR DESIGN LAB

Units: 3.00 (3.00 units lecture)
CSU 162.00 hours lab
Previous or Concurrent Enrollment: ID-101A
Lab component applying content from ID-101A.

ID 102 APPLIED COLOR FOR DESIGNERS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
Focuses on color concepts through two- and three-dimensional design problems, theory and application of color in design and/or digital illustration. Concentrates on color systems and psychology, and appropriate color choices for various projects. Field trips may be required.

ID 104 RAPID VISUALIZATION AND PERSPECTIVE ILLUSTRATION

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
Introduces traditional and digital freehand drawing and illustration techniques necessary for 2D/3D communication and presentations, including rapid visualization sketching and one-point/two-point perspective techniques.

ITALIAN LANGUAGE

(See Modern Language)

ID 105 INTRODUCTION TO PRODUCTION DESIGN

Units: 3.00 (3.00 units lab)
CSU 54.00 hours lecture
Examines the process of production design in TV, film, and theatre, including the design process of various production team members. Educational and professional qualifications for entry into the industry are reviewed. Field trips may be required.

ID 106 TRADE RESOURCES FOR TV, FILM, AND THEATRE

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
CSU 18.00 hours lecture, 54.00 hours lab
Explores trade resources for set decorators working in TV, film and theatre. Topics include determining a relevant time period, location, culture, and society as well as considering prop houses useful for finding historic content, unique materials, large scale items, green-scape, signage, upholstery, rugs, linens, accessories, art, furnishings and breakables.

ID 110 ARCHITECTURAL DRAFTING

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
Presents current practices in architectural drafting and construction technology focusing on a small single family residence. Drafting techniques will emphasize clarity, line weight expression and accuracy. Same as ARCHT-110.

ID 111 KITCHEN AND BATH DESIGN

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
Prerequisite: ARCHT-110 or ID-110
Presents the analysis and application of the design process to space planning, materials and finish choices, codes application, and selection of specialized equipment unique to the planning of kitchens and baths. Field trips may be required.

ID 113 INTERIOR DESIGN MATERIALS AND SPECIFICATIONS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
Prerequisite: ID-101A & ID-101B
Introduces the selection, specifications, and computations for interior design materials, products and textiles for residential and commercial design. Field trips may be required.

ID 114 ARCHITECTURE AND INTERIORS HISTORY: ANTIQUITY - CLASSICAL REVIVAL

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
Explores the history of building styles in architecture, and the decorative arts in interior design from Antiquity (roughly 3000 BCE) to Classical Revival (roughly early 19th century CE). Emphasis is placed on style development as it relates to social, economic, and political influences. Field trips may be required. Same as ARCHT-114.

ID 115 ARCHITECTURE AND INTERIORS HISTORY: CLASSICAL REVIVAL - POST MODERN

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Traces the development of styles in the decorative arts, architecture, and interior furnishings in the period from Classical Revival (roughly early 19th century CE) to Post-Modern (up through the 21st century CE). Emphasizes style development as it relates to social, economic and political influences. Field trips may be required. Same as ARCHT-115.

ID 117 LIGHTING DESIGN

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: ARCHT-110 or ID-110

Presents lighting design principles, applications, visual perception, properties of light color, luminaires types, and calculations. Includes energy efficient lighting practices and applicable codes and regulations, as well as written and graphic design documents. Field trips may be required.

ID 190 DESIGN II – SPACE PLANNING

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
Prerequisite: ID-110 or ARCHT-110
Recommended Preparation: ARCHT-120 and ID-101B

Includes the design process, methods, and presentations of interior commercial spaces. Schematic planning, code application, and human dimensions as related to anthropometrics and proxemics and the use of space for special populations will be applied in student projects.

Same as ARCHT-190.

ID 207 RESIDENTIAL DESIGN

Units: 3.00 (1.00 unit lecture, 2.00 units lab)
CSU 18.00 hours lecture, 108.00 hours lab

Prerequisite: ID-101A and ID-101B or ARCHT-120, and ARCHT-110 or ID-110

Addresses residential space planning, programming, and support spaces explored through creative expression. Includes critiques and design presentations. Same as ARCHT-207..

ID 211 ADVANCED KITCHEN AND BATH DESIGN

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: ID-111

Recommended Preparation: ARCHT-160

Introduces industry standard software to design, render and price quotes as well as ordering materials, appliances and millwork for the kitchen and bath design industry. Field trips may be required.

ID 217 ADVANCED RESIDENTIAL DESIGN STUDIO

Units: 3.00 (1.00 unit lecture, 2.00 units lab)
CSU 18.00 hours lecture, 108.00 hours lab

Prerequisites: ARCHT-207 or ID-207, and ARCHT-084 or ID-084 or ARCHT-270.

Recommended Preparation: ID-104, ID-113, ID-114, ID-115.

Solves advanced residential design problems by focusing on the process of creating design solutions for diverse clients and diverse budgets. Portfolio pieces will be produced. Field trips may be included. Same as ARCHT-217.

ID 240 INTERIOR DESIGN PORTFOLIO

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

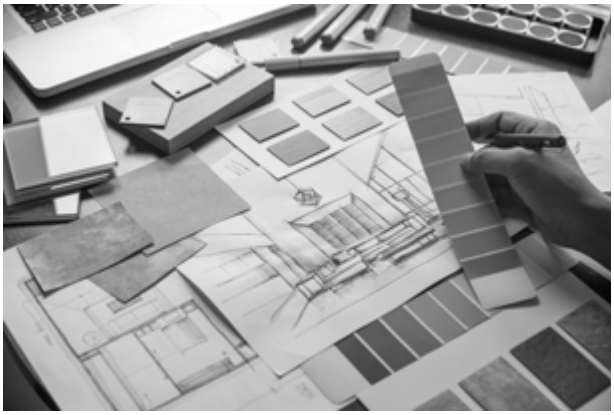
Recommended Preparation: ID-084

Presents the process of preparing a professional interior design portfolio including an appropriate selection of work, concept improvement and methods of presentation. Same as ARCHT-240, Formerly ID-219.

ID 295 PROFESSIONAL PRACTICES FOR INTERIOR DESIGN

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Presents basic principles, procedures, and office systems necessary to professionally organize and carry through a creative interior design project from the original client contract to final billing and collecting. Field trips may be required.



JOURNALISM

(See Media Entertainment Arts)

KINESIOLOGY – PHYSICAL EDUCATION

The Kinesiology-Physical Education program offers a diverse curriculum which includes theory courses in Kinesiology-Physical Education, health education, and athletic training/sports medicine. A wide variety of movement courses are offered for the development of physical activity skills, knowledge, and fitness necessary for lifetime wellness in the areas of group exercise, aquatics, team sports, and recreation.

Associate in Arts for Transfer Degree: Kinesiology

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Kinesiology. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in the core academic skills and knowledge required for transfer into a kinesiology program at a four-year college or university.

Program Requirements:

Units Required: 20-27

		Units
HLHSCI-100	Health Education	3.0
KPET-200	Introduction to Kinesiology	3.0

Plus eight units from the following:

BIOSCI-201	Introduction to Human Anatomy	4.0
	AND	
BIOSCI-202	Introduction to Human Physiology	4.0
	OR	
BIOSCI-204	Human Anatomy and Physiology I	4.0
	AND	
BIOSCI-205	Human Anatomy and Physiology II	4.0

Plus a maximum of one course from any three of the following areas for a minimum of three units:

Aquatics

KPEA-180A	Beginning Swimming	1.0
KPEA-180B	Intermediate Swimming	1.0
KPEA-180C	Advanced Swimming	1.0

Fitness

DANCE-107	Dance Conditioning	1.0
DANCE-108	Pilates	2.0
DANCE-180	Introduction to Yoga	1.0
KPEA-101A	Beginning Weight Training	1.0
KPEA-101B	Advanced Weight Training	1.0
KPEA-102	Running for Fitness	1.0
KPEA-103	Cardio-Cross Training	1.0
KPEA-105	Step Aerobics	1.0
KPEA-125	Walking for Fitness	1.0
KPET-201	Principles of Physical Fitness and Conditioning	3.0

Individual Sports

KPEA-165A	Beginning Golf	1.0
KPEA-165B	Intermediate Golf	1.0
KPEA-165C	Advanced Golf	1.0
KPEA-185A	Beginning Tennis	1.0
KPEA-185B	Intermediate Tennis	1.0
KPEA-185C	Advanced Tennis	1.0

Team Sports

KPEA-145A	Beginning Baseball	1.0
KPEA-145B	Intermediate Baseball	1.0
KPEA-150A	Beginning Basketball	1.0
KPEA-150B	Intermediate Basketball	1.0
KPEA-160A	Beginning Football	1.0
KPEA-160B	Intermediate Football	1.0
KPEA-170A	Beginning Soccer	1.0
KPEA-170B	Intermediate Soccer	1.0
KPEA-175B	Intermediate Softball	1.0
KPEA-175A	Beginning Softball	1.0

KPEA-175B Intermediate Softball....1.0
KPEA-195A Beginning Volleyball....1.0
KPEA-195B Intermediate Volleyball....1.0
KPEA-195C Advanced Volleyball....1.0

Plus one courses from the following f or three to five units:

Chemistry

CHEM-201 General Chemistry I....5.0
OR
CHEM-201H General Chemistry I – Honors....5.0

Physics

PHYSIC-110 General Physics I....4.0
OR
PHYSIC-220 Physics for Scientists and Engineers: Mechanics of Solids and Fluids....4.0

Psychology

PSYC-C1000 Introduction to Psychology....3.0
OR
PSYC-C1000H Introduction to Psychology – Honors....3.0

Sociology

SOCI-101 Introduction to Sociology....3.0
OR
SOCI-101H Introduction to Sociology – Honors....3.0

Statistics

PSYC-104 Statistics for the Behavioral Sciences....4.0
OR
SOCI-137 Statistics for the Social Sciences....4.0
OR
STAT-C1000 Introduction to Statistics....4.0
OR
STAT-C1000E Introduction to Statistics....5.0
OR
STAT-C1000H Introduction to Statistics - Honors....4.0

Associate in Arts Degree: Physical Education-Kinesiology

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in the core academic skills and knowledge required for transfer to a kinesiology program at a four-year college or university.

Program Requirements:

Units Required: 23

Units

KPET-200 Introduction to Kinesiology....3.0
KPET-201 Principles of Physical Fitness and Conditioning....3.0
KPET-210 Prevention and Care of Athletic Injuries....3.0
HLHSCI-100 Health Education....3.0
OR
HLHSCI-150 Nutrition....3.0

Plus eight units from the following:

BIOSCI-201 Introduction to Human Anatomy....4.0
AND
BIOSCI-202 Introduction to Human Physiology....4.0
OR
BIOSCI-204 Human Anatomy and Physiology I....4.0
AND
BIOSCI-205 Human Anatomy and Physiology II....4.0

Plus three units from the following :

KPEA-100A Beginning Circuit Training....1.0
KPEA-100B Advanced Circuit Training....1.0
KPEA-101A Beginning Weight Training....1.0
KPEA-101B Advanced Weight Training....1.0
KPEA-102A Beginning Running for Fitness....1.0
KPEA-102B Intermediate Running for Fitness....1.0
KPEA-102C Advanced Running for Fitness....1.0
KPEA-102 Running for Fitness....1.0
KPEA-103 Cardio Cross-Training....1.0
KPEA-105A Beginning Step Aerobics....1.0
KPEA-105B Intermediate Step Aerobics....1.0
KPEA-105C Advanced Step Aerobics....1.0
KPEA-106 Bowling....1.0
KPEA-107A Beginning Stretching for Flexibility and Relaxation....1.0
KPEA-107B Intermediate Stretching for Flexibility and Relaxation....1.0
KPEA-107C Advanced Stretching for Flexibility and Relaxation....1.0
KPEA-122A Beginning Ultimate Frisbee....1.0
KPEA-122B Intermediate Ultimate Frisbee....1.0
KPEA-122C Advanced Ultimate Frisbee....1.0
KPEA-125A Beginning Walking for Fitness....1.0
KPEA-125B Intermediate Walking for Fitness....1.0
KPEA-125C Advanced Walking for Fitness....1.0
KPEA-145A Beginning Baseball....1.0
KPEA-145B Intermediate Baseball....1.0
KPEA-145C Advanced Baseball....1.0
KPEA-150A Beginning Basketball....1.0
KPEA-150B Intermediate Basketball....1.0
KPEA-150C Advanced Basketball....1.0
KPEA-160A Beginning Football....1.0
KPEA-160B Intermediate Football....1.0
KPEA-160C Advanced Football....1.0
KPEA-165A Beginning Golf....1.0

Continued on the next page.

KPEA-165B	Intermediate Golf	1.0
KPEA-165C	Advanced Golf	1.0
KPEA-170A	Beginning Soccer	1.0
KPEA-170B	Intermediate Soccer	1.0
KPEA-170C	Advanced Soccer	1.0
KPEA-172A	Beginning Futsal: Indoor Soccer	1.0
KPEA-172B	Intermediate Futsal: Indoor Soccer	1.0
KPEA-172C	Advanced Futsal: Indoor Soccer	1.0
KPEA-175A	Beginning Softball	1.0
KPEA-175B	Intermediate Softball	1.0
KPEA-175C	Advanced Softball	1.0
KPEA-180A	Beginning Swimming	1.0
KPEA-180B	Intermediate Swimming	1.0
KPEA-180C	Advanced Swimming	1.0
KPEA-182A	Beginning Aqua Aerobics	1.0
KPEA-182B	Intermediate Aqua Aerobics	1.0
KPEA-182C	Advanced Aqua Aerobics	1.0
KPEA-185A	Beginning Tennis	1.0
KPEA-185B	Intermediate Tennis	1.0
KPEA-185C	Advanced Tennis	1.0
KPEA-187A	Beginning Pickleball	1.0
KPEA-187B	Intermediate Pickleball	1.0
KPEA-187C	Advanced Pickleball	1.0
KPEA-195A	Beginning Volleyball	1.0
KPEA-195B	Intermediate Volleyball	1.0
KPEA-195C	Advanced Volleyball	1.0

Recommended electives:

KPET-120	Emergency Procedures	2.0

Certificate of Specialization: Therapeutic Procedures

This certificate of specialization in therapeutic procedures will train the student in the use of therapeutic interventions used in Physical Therapy, Athletic Training, and Chiropractic Fields. Through the courses required for this certificate a student will learn about basic body movement, common orthopedic injuries and the healing process, and clinically relevant skills like the application of ultrasound, electrical stimulation, cold, heat, taping, rehabilitation charting, clinical professionalism, and exercise instruction under credentialed supervision. Upon completion of the courses required for the therapeutic procedures certificate, the student will be able to demonstrate to possible employers their competency of prerequisites commonly found in aide positions in PT and Chiropractic clinics increasing the strength of their resumes as compared to applicants without the certificate.

Certificate Student Learning Outcome:
Students will be able to demonstrate skills and proficiency in therapeutic procedures necessary to safely and effectively administer therapeutic modalities and exercises to patients.

Program Requirements:
Units Required: 12

		Units
KPET-120	Emergency Procedures	2.0
KPET-200	Introduction to Kinesiology	3.0
KPET-210	Prevention and Care of Athletic Injuries	3.0
KPET-210L	Prevention and Care of Athletic Injuries Lab	1.0
KPET-212	Sports Medicine Clinical Experience	3.0

KINESIOLOGY - ACTIVITY (KPEA)

KPEA 100A BEGINNING CIRCUIT TRAINING

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces beginning physical fitness principles and applications to develop and encourage positive habits in a personalized exercise program. Offered pass/no pass only. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 100B ADVANCED CIRCUIT TRAINING

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended preparation: KPEA-100A

Presents advanced techniques in a laboratory physical fitness course designed to develop and encourage lifelong positive attitudes and habits in a personalized exercise program.Offered pass/no pass only. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 101A BEGINNING WEIGHT TRAINING

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Presents beginning level instruction in weight training, emphasizing lifting and training techniques. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 101B ADVANCED WEIGHT TRAINING

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-101A, KPEI-153 or equivalent physical preparation.

Advanced methods of physical conditioning and fitness program design, including principles of explosive training like Olympic lifts, plyometrics, balance training, speed development and functional flexibility training. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 102A BEGINNING RUNNING FOR FITNESS

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Presents the theories and techniques associated with running to develop aerobic fitness and anaerobic conditions, among other physiological adaptations gained through running. Strength and flexibility training for improved running performance will be discussed. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 102B INTERMEDIATE RUNNING FOR FITNESS

Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Presents the intermediate theories and techniques associated with running to develop aerobic fitness and anaerobic conditions, among other physiological adaptations gained through running. Strength and flexibility training for improved running performance will be discussed. UC Credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 102C ADVANCED RUNNING FOR FITNESS

Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Examines advanced theories and techniques in running to develop aerobic fitness, anaerobic capacity, and other key physiological adaptations, with emphasis on strength and flexibility training for enhanced performance. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 103 CARDIO CROSS-TRAINING

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Focuses on improvement of cardiovascular and muscular fitness. Various training methods such as step aerobics, kick boxing, plyometrics, muscle sculpting, and core training are included. Proper form, exercise technique, and safety will be addressed for all training modes. Basic anatomy and physiology of human conditioning will also be discussed. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 105A BEGINNING STEP AEROBICS

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Provides group cardiovascular conditioning utilizing a step platform. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 105B INTERMEDIATE STEP AEROBICS

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended preparation: KPEA-105A

Provides group cardiovascular conditioning utilizing a step platform at an Intermediate level, increasing options for students as they continue to improve. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 105C ADVANCED STEP AEROBICS

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended preparation: KPEA-105B

Provides group cardiovascular conditioning utilizing a step platform at an advanced level, increasing options and techniques for students as they continue to improve. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 106 BOWLING

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces the fundamental techniques of bowling, including scoring, rules, strategy, competitive formats and etiquette. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 107A BEGINNING STRETCHING FOR FLEXIBILITY AND RELAXATION

Units: 1.0 (1.00 unit lab) 0
UC:CSU 54.00 hours lab

Introduces stretching exercises that enhance flexibility, reduce muscle tension, and promote relaxation; styles may include yoga, pilates and others. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 107B INTERMEDIATE STRETCHING FOR FLEXIBILITY AND RELAXATION

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended preparation: KPEA-107A

Offers intermediate techniques for stretching exercises that enhance flexibility, reduce muscle tension, and promote relaxation; styles may include yoga, Pilates, and others. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 107C ADVANCED STRETCHING FOR FLEXIBILITY AND RELAXATION

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended preparation: KPEA-107B

Offers advanced techniques for stretching exercises that enhance flexibility, reduce muscle tension, and promote relaxation; styles may include yoga, Pilates, and others. UC credit limitation: Activity courses combined: maximum credit, 4 units.

Continued on the next page.

KPEA 122A BEGINNING ULTIMATE FRISBEE
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces the foundational skills of playing Ultimate Frisbee at a beginning level. Students will learn basic throws, catches, offensive and defensive strategies, and the rules of the game. UC credit Limitation: Activity courses combined: maximum credit, 4 units.

KPEA 122B INTERMEDIATE ULTIMATE FRISBEE
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-122A

Develops intermediate Ultimate Frisbee skills emphasizing play and strategy. Concepts include catching, pivoting, marking, and applying offensive and defensive strategies. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 122C ADVANCED ULTIMATE FRISBEE
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-122B

Integrates advanced Ultimate Frisbee skills with highly competitive game playing. Instruction will include increasing throwing distance and accuracy, advanced offensive and defensive strategies, and aerobic conditioning. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 125A BEGINNING WALKING FOR FITNESS
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Focuses on improving cardio-respiratory endurance through a safe and effective beginning walking exercise program. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 125B INTERMEDIATE WALKING FOR FITNESS
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended preparation: KPEA-125A

Focuses on further improving cardio-respiratory endurance through a safe and effective walking exercise program. Intermediate level training principles, techniques, and program design will be taught to promote lifelong physical activity. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 125C ADVANCED WALKING FOR FITNESS
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended preparation: KPEA-125B

Focuses on continuous improvement to cardio-respiratory endurance through a safe and effective walking exercise program. Advanced level training principles, techniques, and program design will be taught to promote lifelong physical activity. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 145A BEGINNING BASEBALL
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces the fundamentals of baseball, including the skills and mechanics of throwing, hitting, and catching, as well as overall gamesmanship. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 145B INTERMEDIATE BASEBALL
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Explores strategies to become proficient in the intermediate skills of baseball, emphasizing play and strategy. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 145C ADVANCED BASEBALL
Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Develops the advanced skills of baseball with an emphasis on play and strategy. Progressive instruction includes hitting, fielding, throwing and catching as well as weight training and conditioning. UC credit limitation: Activity courses combined: maximum credit, 4 units

KPEA 150A BEGINNING BASKETBALL
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces the basic fundamentals of basketball. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 150B INTERMEDIATE BASKETBALL
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended preparation: KPEA-150A

Develops the intermediate skills of basketball. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 150C ADVANCED BASKETBALL
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended preparation: KPEA-150B

Develops the advanced skills of basketball. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 160A BEGINNING FOOTBALL
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces the techniques of the sport of football, emphasizing recreational play, skills, and game strategy. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 160B INTERMEDIATE FOOTBALL
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Develops intermediate level football skills, emphasizing competitive play and specific game-situation strategies. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 160C ADVANCED FOOTBALL
Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Recommended Preparation: KPEA-160B

Develops advanced level football skills, emphasizing highly competitive play, knowledge and rationale for using situational specific strategies. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 165A BEGINNING GOLF
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces the fundamentals of golf including stance, grip, swing, putting, rules of golf, and overall

gamesmanship. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 165B INTERMEDIATE GOLF
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-165A

Develops intermediate golf skills emphasizing the techniques and tactics for long irons and woods. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 165C ADVANCED GOLF
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-165B

Develops advanced skills including course management, match and stroke play strategies, and club selection. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 170A BEGINNING SOCCER
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces the techniques of soccer for the beginning level player, emphasizing recreation play, strategy and rules. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 170B INTERMEDIATE SOCCER
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-170A

Develops intermediate-level soccer skills, emphasizing intermediate play, strategy and rules. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 170C ADVANCED SOCCER
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-170B

Examines skills, principles of play, and team tactics associated with the game of soccer at an advanced level. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 172A BEGINNING FUTSAL: INDOOR SOCCER
Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Develops beginning-level indoor soccer skills, emphasizing beginning play, strategies, and rules of the game. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 172B INTERMEDIATE FUTSAL: INDOOR SOCCER
Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Recommended Preparation: KPEA-172A

Develops intermediate-level indoor soccer skills, emphasizing intermediate play, strategies, and rules of the game. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 172C ADVANCED FUTSAL: INDOOR SOCCER
Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Recommended Preparation: KPEA-172B

Develops advanced-level indoor soccer skills, emphasizing intermediate play, strategies, and rules of the game. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 175A BEGINNING SOFTBALL
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces the fundamentals of softball, including the rules and mechanics of throwing, hitting, and catching, and overall gamesmanship. UC credit limitation: Activity courses combined: maximum credit, 4 units.

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KPEA 175B INTERMEDIATE SOFTBALL
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-175A

Develops the intermediate skills of softball with emphasis on play and strategy. Progressive instruction includes hitting, fielding, throwing and catching as well as weight training and conditioning. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 175C ADVANCED SOFTBALL
Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Recommended Preparation: KPEA-175B

Develops the advanced skills of softball with emphasis on play and strategy. Progressive instruction includes hitting, fielding, throwing and catching as well as weight training and conditioning. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 180A BEGINNING SWIMMING
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces beginning swimming skills, emphasizing water safety. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 180B INTERMEDIATE SWIMMING
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-180A

Develops intermediate swim skills, emphasizing the four competitive swim strokes. Speed and endurance will be emphasized in a training environment. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 180C ADVANCED SWIMMING
Units: 1.00
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-180B

Develops advanced swim skills emphasizing four competitive swim strokes, as well as advanced speed and endurance training. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 182A BEGINNING AQUA AEROBICS
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Provides students with the opportunity to improve cardiovascular capacity, muscular strength, and endurance through water exercise at the beginning level. This course includes flexibility exercises and is low impact. All exercises are performed in a pool using the water as resistance along with small flotation devices. No swimming skills required. ADA (American Disabilities Act) pool lift available. Students will need to provide swim attire. UC credit Limitation: Activity courses combined: maximum credit, 4 units.

KPEA 182B INTERMEDIATE AQUA AEROBICS
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-182A

Provides students with the opportunity to further improve cardiovascular capacity, muscular strength, and endurance through water exercise at the intermediate level. This course includes flexibility exercises and is low impact. All exercises are performed in a pool using the water as resistance along with small flotation devices. No swimming skills required. ADA (American Disabilities Act) pool lift available. Students will need to provide swim attire. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 182C ADVANCED AQUA AEROBICS
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-182B

Provides students with the opportunity to achieve a higher level of cardiovascular capacity, muscular strength, and endurance through water exercise at the advanced level. This course includes flexibility exercises and is low impact. All exercises are performed in a pool using the water as resistance along with small flotation devices. No swimming skills required. ADA (American Disabilities Act) pool lift available. Students will need to provide swim attire. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 185A BEGINNING TENNIS
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces rules, methods, and techniques for the beginning tennis player. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 185B INTERMEDIATE TENNIS
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-185A

Develops intermediate tennis skills emphasizing play and strategy. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 185C ADVANCED TENNIS
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-185B

Presents advanced tennis skills with highly competitive game playing, including attacking ground strokes, quick volleys, offensive overheads, serves, service returns and power ground strokes. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 187A BEGINNING PICKLEBALL
Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Provides foundational skills needed to play pickleball at a beginning level. Concepts include applying fundamental strokes, understanding terminology, and identifying the equipment needed and etiquette. UC credit Limitation: Activity courses combined: maximum credit, 4 units.

KPEA 187B INTERMEDIATE PICKLEBALL
Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Recommended Preparation: KPEA-187A

Develops intermediate pickleball skills emphasizing play and strategy. Concepts include offensive and defensive strategies, spins, and shot placement. Fitness for optimal performance and injury prevention concepts are included. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 187C ADVANCED PICKLEBALL
Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Recommended Preparation: KPEA-187B

Presents advanced pickleball skills with highly competitive game playing, including singles and doubles match play. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 195A BEGINNING VOLLEYBALL
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Introduces the fundamentals of volleyball including rules, overall gamesmanship, and the primary skills: serving, passing, setting, hitting, blocking and digging. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEA 195B INTERMEDIATE VOLLEYBALL
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-195A

Introduces intermediate volleyball skills and strategies, including jump-serving, the quick attack, 6-2 and 5-1 offensive systems, and rotational defense. UC credit limitation: Activity courses combined: maximum credit, 4 units.



KPEA 195C ADVANCED VOLLEYBALL
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Recommended Preparation: KPEA-195B

Furthers the development of volleyball skills and strategies at an advanced/competitive level. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KINESIOLOGY - INTERCOLLEGIATE (KPEI)

KPEI 153 OFF-SEASON CONDITIONING FOR INTERCOLLEGIATE SPORTS
Units: 1.00 - 2.00 (1.00 – 2.00 units lab)
UC:CSU 54.00-108.00 hours lab

May be taken four times for credit

Identifies specific physical fitness, strength and conditioning related to off-season, intercollegiate athletic participation. An understanding of and participation in advanced exercise programs contributing to the advancement of athletic performance. Emphasis is placed on individual and group activities that contribute to specific sport advancement. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 245A INTERCOLLEGIATE BASEBALL
Units: 3.00 (3.00 units lab)
UC:CSU 162.00 hours lab

May be taken four times for credit

Intercollegiate competition in the sport of baseball. Students must meet California Community College eligibility requirements as established by the California Community College Athletic Association. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 245B OFF-SEASON BASEBALL TRAINING
Units: 2.00 (2.00 units lab)
UC:CSU 108.00 hours lab

May be taken four times for credit

Provides off-season training in the sport of baseball. Appropriate for members of the intercollegiate baseball team and individuals interested in baseball training at an advanced level. UC credit limitation: Activity courses combined: maximum credit, 4 units.

Continued on the next page.

KPEI 250A INTERCOLLEGIATE BASKETBALL I

Units: 1.50 (1.50 units lab)
UC:CSU 81.00 hours lab

May be taken four times for credit

Fall intercollegiate competition in the sport of basketball. Students must meet California Community College eligibility requirements as established by the California Community College Athletic Association. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 250B INTERCOLLEGIATE BASKETBALL II

Units: 1.50 (1.50 units lab)
UC:CSU 81.00 hours lab

May be taken three times for credit

Spring intercollegiate competition in the sport of basketball. Students must meet California Community College eligibility requirements as established by the California Community College Athletic Association. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 250C OFF-SEASON BASKETBALL TRAINING

Units: 2.00 (2.00 units lab)
UC:CSU 108.00 hours lab

May be taken four times for credit

Provides off-season training in the sport of basketball. Appropriate for members of the intercollegiate basketball team and individuals interested in basketball training at an advanced level. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 255A INTERCOLLEGIATE CROSS-COUNTRY

Units: 3.00 (3.00 units lab)
UC:CSU 162.00 hours lab

May be taken four times for credit

Intercollegiate competition in the sport of cross country. Students must meet California Community College eligibility requirements as established by the California Community College Athletic Association. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 255B OFF-SEASON CROSS-COUNTRY TRAINING

Units: 2.00 (2.00 units lab)
UC:CSU 108.00 hours lab

May be taken four times for credit

Provides off-season training in the sport of cross-country. Appropriate for members of the intercollegiate cross-country team and individuals interested in cross-country training at a competitive level. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 260A INTERCOLLEGIATE FOOTBALL

Units: 3.00 (3.00 units lab)
UC:CSU 162.00 hours lab

May be taken four times for credit

Intercollegiate competition in the sport of football. Students must meet California Community College eligibility requirements as established by the California Community College Athletic Association. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 260B OFF-SEASON FOOTBALL TRAINING

Units: 2.00 (2.00 units lab)
UC:CSU 108.00 hours lab

May be taken four times for credit

Provides off-season training in the sport of football. Appropriate for members of the intercollegiate football team and individuals interested in football training at an advanced level. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 265 INTERCOLLEGIATE GOLF

Units: 3.00 (3.00 units lab)
UC:CSU 162.00 hours lab

May be taken four times for credit

Intercollegiate competition in the sport of golf. Students must meet California Community College eligibility requirements as established by the California Community College Athletic Association. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 270A INTERCOLLEGIATE SOCCER

Units: 3.00 (3.00 units lab)
UC:CSU 162.00 hours lab

May be taken four times for credit

Intercollegiate competition in the sport of soccer. Students must meet California Community College eligibility requirements as established by the California Community College Athletic Association. UC credit limitation.

KPEI 270B OFF-SEASON SOCCER TRAINING

Units: 2.00 (2.00 units lab)
UC:CSU 108.00 hours lab

May be taken four times for credit

Provides off-season training in the sport of soccer. Appropriate for members of the intercollegiate soccer team and individuals interested in soccer training at an advanced competitive level. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 275A INTERCOLLEGIATE SOFTBALL
Units: 3.00 (3.00 units lab)
UC:CSU 162.00 hours lab

May be taken four times for credit

Intercollegiate competition in the sport of softball. Students must meet California Community College eligibility requirements as established by the California Community College Athletic Association. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 275B OFF-SEASON SOFTBALL TRAINING
Units: 2.00 (2.00 units lab)
UC:CSU 108.00 hours lab

May be taken four times for credit

Provides off-season training in the sport of softball. Appropriate for members of the intercollegiate softball team and individuals interested in softball training at an advanced level. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 280A INTERCOLLEGIATE SWIMMING
Units: 3.00 (3.00 units lab)
UC:CSU 162.00 hours lab

May be taken four times for credit

Intercollegiate competition in the sport of swimming. Students must meet California Community College eligibility requirements as established by the California Community College Athletic Association. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 280B OFF-SEASON SWIMMING TRAINING
Units: 2.00 (2.00 units lab)
UC:CSU 108.00 hours lab

May be taken four times for credit

Provides off-season training in the sport of swimming. Appropriate for members of the intercollegiate swim team and individuals interested in swim training at an advanced level. UC credit limitation: Activity courses combined: maximum credit, 4 units

KPEI 285A INTERCOLLEGIATE TENNIS
Units: 3.00 (3.00 units lab)
UC:CSU 162.00 hours lab

May be taken four times for credit

Intercollegiate competition in the sport of tennis. Students must meet California Community College eligibility requirements as established by the California Community College Athletic Association. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 285B OFF-SEASON TENNIS TRAINING
Units: 2.00 (2.00 units lab)
UC:CSU 108.00 hours lab

May be taken four times for credit

Provides off-season training in the sport of tennis. Appropriate for members of the intercollegiate tennis team and individuals interested in tennis training at an advanced level. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 290A INTERCOLLEGIATE TRACK AND FIELD
Units: 3.00 (3.00 units lab)
UC:CSU 162.00 hours lab

May be taken four times for credit

Intercollegiate competition in the sport of track and field. Students must meet California Community College eligibility requirements as established by the California Community College Athletic Association. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 290B OFF-SEASON TRACK AND FIELD TRAINING
Units: 2.00 (2.00 units lab)
UC:CSU 108.00 hours lab

May be taken four times for credit

Provides off-season training in the sport of track and field. Appropriate for members of the intercollegiate track and field team and individuals interested in track and field training at an advanced level.UC credit limitation: Activity courses combined: maximum credit, 4 units

KPEI 295A INTERCOLLEGIATE VOLLEYBALL
Units: 3.00 (3.00 units lab)
UC:CSU 162.00 hours lab

May be taken four times for credit

Intercollegiate competition in the sport of volleyball. Students must meet California Community College eligibility requirements as established by the California Community College Athletic Association. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPEI 295B OFF-SEASON VOLLEYBALL TRAINING
Units: 2.00 (2.00 units lab)
UC:CSU 108.00 hours lab

May be taken four times for credit

Provides off-season training in the sport of volleyball. Appropriate for members of the intercollegiate volleyball team and individuals interested in volleyball training at an advanced level. UC credit limitation: Activity courses combined: maximum credit, 4 units.

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KINESIOLOGY - THEORY (KPET)

KPET 103 THEORY AND ANALYSIS OF BASEBALL
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines the history, rules, styles, and game strategy of baseball, including team preparation and current developments in baseball.

KPET 104 THEORY AND ANALYSIS OF FOOTBALL
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Presents advanced football fundamentals, including the theory and philosophy of offensive and defensive strategy, principles of the kicking game and special teams, and coaching organization and implementation. UC credit limitations: KPET-104, 107, 108, 120, and 210 combined; maximum 8 units.

KPET 105 THEORY AND ANALYSIS OF CROSS COUNTRY
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines the history, rules, styles, racing strategy, current developments, and preparation of teams for competition and weekly practice schedules for the sport of cross country.

KPET 107 THEORY AND ANALYSIS OF BASKETBALL
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Presents the history, rules, styles, game strategy, and current developments of basketball, including how teams prepare for games and practices. UC credit limitations: KPET-104, 107, 108, 120, and 210 combined; maximum 8 units.



KPET 108 THEORY AND ANALYSIS OF SOCCER
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Examines the history, rules, styles, game strategy, current developments, preparations of teams for games and weekly practice schedules, of soccer. UC credit limitations: KPET-104, 107, 108, 120, and 210 combined; maximum 8 units.

KPET 109 THEORY AND ANALYSIS OF SOFTBALL
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines the history, rules, styles, game strategy, current developments, and preparation of teams for games and weekly practice schedules in softball. Explores cultural and historical factors shaping participation and access in the sport.

KPET 120 EMERGENCY PROCEDURES
Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab

Introduces procedures to maintain health in emergency first aid situations. Successful course completion qualifies a student for the American Red Cross CPR/AED for the Professional Rescuer and First Aid Certificate or the American Heart Association Basic Life Support Certificate. UC credit limitations: KPET-104, 107, 108, 120, and 210.

KPET 200 INTRODUCTION TO KINESIOLOGY
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID KIN 100

Examines the field of kinesiology as a profession and an academic discipline. Foundational concepts in exercise physiology, sports nutrition, biomechanics, motor learning and behavior, sports medicine, coaching, physical education and sport psychology are covered. UC credit limitation: KPET-200 and KPET-201 combined, maximum credit one course.

KPET 201 PRINCIPLES OF PHYSICAL FITNESS AND CONDITIONING
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Fitness and conditioning concepts and their relationship to the human body. Focus is on physiological principles and the conditioning process. UC credit limitation: KPET-200 and 201 combined, maximum credit one course.

KPET 209 AMERICAN SPORTS IN FILM
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Examines American sports history, the portrayal of sport and its evolution over time, and the contributions made by members representing various gender, ethnic and socio-economic backgrounds as depicted through sports related films.

KPET 210 PREVENTION AND CARE OF ATHLETIC INJURIES

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces the field of athletic training, including the role of the athletic trainer in relation to the physician, coach and athlete, emphasizing the prevention, recognition, and treatment of common sports injuries.

KPET 210L PREVENTION AND CARE OF ATHLETIC INJURIES LAB

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab

Covers the principles and techniques for application of protective taping, padding, wrapping and bracing, emphasizing the prevention of sport and exercise injuries.

KPET 212 SPORTS MEDICINE CLINICAL EXPERIENCE

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
UC:CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: KPET-120 & KPET-210L

Provides instruction and clinical experience for students interested in sports and physical therapy-related injury care and rehabilitation. Includes injury assessment, therapeutic modality usage and selection, and rehabilitation of orthopedic injuries. UC credit limitation: Activity courses combined: maximum credit, 4 units.

KPET 217 SPORTS MANAGEMENT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces organization, management, planning, staffing, directing, and controlling a sports program, including budget, facilities, scheduling, officials, transportation, public relations, parent and booster clubs, purchase and care of athletic equipment, fundraising, and marketing.

KPET 220 PRINCIPLES OF COACHING SPORT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Evaluates the practice of sport coaching, including the formulation of a personal coaching philosophy and the design of practice plans for skill and tactical development. Analyzes the physiological demands of sport, basic nutrition, and mental techniques for high-pressure performance. Assesses program management and identifies career opportunities in youth, high school, and club-level coaching.

LAND SURVEYING

Associate in Science Degree and Certificate of Achievement: Land Surveying

The focus of the Land Surveying program is to provide the student with a thorough background in land surveying and mapping, in addition to an introduction to the collecting, manipulating, formatting and mapping of geospatial data. A student who successfully completes the program will have the technical expertise necessary for an entry level position in the field of Land Surveying or related fields of geographic information systems specialists, architectural services, and engineering services. Land Surveyors typically measure and record property boundaries and the topography of the land covered by construction and engineering projects. Surveys are used to establish legal boundaries to prepare maps and exhibits, and write descriptions of land tracts that satisfy legal requirements. The program also assists students in preparing for the State Land Surveyor In Training and Land Surveyor's Exams.

Degree and Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in land surveying.

Program Requirements:

Units Required: 27 - 28

		Units
SURV-101A	Introduction to Land Surveying	3.0
SURV-101L	Introduction to Land Surveying Laboratory	1.0
SURV-102A	Advanced Land Surveying	3.0
SURV-102L	Advanced Land Surveying Laboratory	1.0
SURV-103	Advanced Applications in Surveying I	3.0
SURV-104	Advanced Applications in Surveying II	3.0
SURV-110	Computer Aided Drafting for Surveyors	3.0
SURV-260	Boundary Control and Legal Principles I	3.0
SURV-265	Boundary Control and Legal Principles II	3.0
MATH-102	Trigonometry	4.0
	OR	
MATH-102X	Trigonometry with Support	5.0

Continued on the next page.

SURV 101A INTRODUCTION TO LAND SURVEYING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: Completion of Intermediate Algebra and Geometry or higher math placement

Recommended concurrent enrollment in SURV-101L.

Presents the fundamentals of land surveying theory and calculations. Includes equipment, horizontal, vertical, and angular measurements, errors, traversing, horizontal and vertical curves, leveling, and stadia. Also covers the history of and careers in surveying.

SURV 101L INTRODUCTION TO LAND SURVEYING LABORATORY

Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Prerequisite: Completion of or concurrent enrollment in SURV-101A.

Presents the fundamentals of land surveying field practice and equipment use. Includes horizontal, vertical, and angular measurements, errors, traversing, leveling, and Horizontal and Vertical Curves.

SURV 102A ADVANCED LAND SURVEYING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: SURV-101A. Recommended concurrent enrollment in SURV-102L

Presents advanced concepts in land surveying theory and calculations. Includes equipment, mapping elements and plan reading, construction surveying, earthwork, and topography.

SURV 102L ADVANCED LAND SURVEYING LABORATORY

Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Prerequisite: SURV-101A & 101L. Completion of or concurrent enrollment in SURV-102A

Presents advanced concepts in land surveying field practices and equipment use. Includes horizontal and vertical control, construction staking, and topography mapping.

SURV 103 ADVANCED APPLICATIONS IN SURVEYING I

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: SURV-102A.

Focuses on measurement analysis and adjustments, geodesy, various mapping elements and specific requirements for common map types, state plane coordinates and the use of Global Positioning System (GPS) for land surveying applications.

SURV 104 ADVANCED APPLICATIONS IN SURVEYING II

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: SURV-102A.

Explores professional licensing requirements, employment strategies, and professional development in the Land Surveying industry.

SURV 110 COMPUTER-AIDED DRAFTING FOR SURVEYORS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: SURV-101A and 101L

Introduces computer aided drafting for land surveying using AutoCAD Civil 3D. Introduces computer aided drafting (CAD) for land surveying using AutoCAD Civil 3D. No prior CAD experience required.

SURV 260 BOUNDARY CONTROL AND LEGAL PRINCIPLES I

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: SURV-102A

Introduces the basic elements of the U.S. Public Land Survey System (PLSS), including background, history, subdivisions of sections, restoration of lost corners, and principles of preparing land descriptions for surveyors and title companies.

SURV 265 BOUNDARY CONTROL AND LEGAL PRINCIPLES II

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: SURV-260

Examines principles of boundary control, including land descriptions, property transfer, senior rights, conveyances, and case law pertaining to boundary disputes.



LAW ENFORCEMENT TECHNOLOGY

The Law Enforcement Technology program focuses on the emerging trends and uses of technology in law enforcement operations and criminal investigations. The student gains insight into how technology impacts law enforcement, legal issues associated with technological uses, ethical boundaries considerations, and operational and investigative techniques. Upon successful completion of the Law Enforcement Technology degree program, the student will have a general, but very practical knowledge, of the rapidly evolving technology and how it is used to further public safety operations and criminal investigations. Target occupations typical to this major include in-service officers and investigators working, or seeking to work, specialized technical investigative support assignments.

Although not required, it is recommended that (1) the student successfully complete the following courses before enrolling in any courses in the Law Enforcement Technology program: ADMJUS-101 Introduction to Administration of Justice and ADMJUS-110 Principles and Procedures of the Justice System OR (2) that the student have sufficient experience to establish a working knowledge of the criminal justice system and basic criminal procedure.

NOTE: Most law enforcement agencies have extensive testing procedures prior to hiring including written, oral, and psychological tests and require applicants to complete additional rigorous academy training prior to being hired. Most federal agencies require a Bachelor's degree prior to appointment. Security officers and private investigators in the State of California must take additional courses, pass State approved examinations, and maintain licensing requirements, in order to satisfy State mandates.

Associate in Science Degree and Certificate of Achievement: Law Enforcement Technology

Degree and Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and awareness of the legal and ethical considerations in the use of technology for law enforcement applications.

Program Requirements:
Units Required: 24

		Units
LETECH-101	Introduction to Technology in Law Enforcement	3.0
LETECH-110	Ethics in Law Enforcement Technology	3.0
LETECH-120	Crime and Internet	3.0
LETECH-130	Digital Evidence Acquisition	3.0
LETECH-140	Network Security Investigations for Law Enforcement	3.0
LETECH-150	Geolocating	3.0

Plus six units from the following:

LETECH-160	Computer Forensics	3.0
LETECH-170	Privacy, National Security, and Criminal Justice in the 21st Century	3.0
LETECH-180	Digital Photography in Law Enforcement	3.0
LETECH-190	Electronic Surveillance and Tracking	3.0
LETECH-195	Small Unmanned Aircraft Systems (sUAS) in Public Safety	3.0

LETECH 101 INTRODUCTION TO TECHNOLOGY IN LAW ENFORCEMENT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: ADMJUS-101 & ADMJUS-110

Provides an overview of how technology and cyber issues impact the public safety/law enforcement field.

LETECH 110 ETHICS IN LAW ENFORCEMENT TECHNOLOGY

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
Recommended Preparation: ADMJUS-101 & ADMJUS-110
Presents the ethical and legal considerations of using technology in law enforcement.

LETECH 120 CRIME AND THE INTERNET

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
Recommended Preparation: ADMJUS-101 & ADMJUS-110
Examines the use of the internet to perpetrate and investigate crime.

LETECH 130 DIGITAL EVIDENCE ACQUISITION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
Recommended Preparation: ADMJUS-101 & ADMJUS-110

Examines acquiring evidence from digital devices in a forensically-sound way, including preserving the data for later examination, as well as ensuring it as admissible evidence during trial.

Continued on the next page.

LETECH 140 NETWORK SECURITY INVESTIGATIONS FOR LAW ENFORCEMENT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: ADMJUS-101 & ADMJUS-110

Introduces techniques used to secure a network and deter an intrusion while using technology to support law enforcement investigations. Examines network hacking in determining criminal responsibility. Aligns with the Certified Information Security Professional (CISSP) examination in establishing subject matter expertise.

LETECH 150 GEOLOCATING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: ADMJUS-101 & ADMJUS-110

Introduces the processes used to identify specific locations from everyday devices to support law enforcement investigations such as locating missing persons or apprehending criminal fugitives. Provides a detailed overview of geolocation technologies, such as ranging techniques, localization technologies, fingerprinting, wireless sensor networks, algorithms, and filtering.

LETECH 160 COMPUTER FORENSICS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: ADMJUS-101 & ADMJUS-110

Introduces how to conduct forensic examination of evidence found on a computer hard drive, smart phone, tablet, thumb drive or other digital device, while maintaining its integrity for use in investigation and trial. Addresses legal, policy and procedure issues, and expert witness testimony.

LETECH 170 PRIVACY, NATIONAL SECURITY, AND CRIMINAL JUSTICE IN THE 21ST CENTURY

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: ADMJUS-101 & ADMJUS-110

Introduces the concept of privacy as an individual right through both philosophical and legal analysis. Discusses the historical context of privacy and how advances in technology affect the future of privacy rights in relation to national security and law enforcement investigations.

LETECH 180 DIGITAL PHOTOGRAPHY IN LAW ENFORCEMENT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: ADMJUS-101 & ADMJUS-110

Introduces digital photography equipment and techniques used by law enforcement agencies.

LETECH 190 ELECTRONIC SURVEILLANCE AND TRACKING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: ADMJUS-101 & ADMJUS-110

Provides an overview of commercial off-the-shelf (COTS) devices and systems that are available for electronic surveillance in law enforcement including body wires, audio surveillance, video surveillance, concealment systems for electronic surveillance devices, GPS tracking, cell phone tracking and other emerging forms of electronic surveillance.

LETECH 195 SMALL UNMANNED AIRCRAFT SYSTEMS (sUAS) IN PUBLIC SAFETY

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: ADMJUS-101 & ADMJUS-110

Examines the emerging trends of sUAS, otherwise known as “drones”, in modern public safety. Aligns with the FAA remote pilot exam for commercial drone operators.

LIBERAL ARTS AND SCIENCES

The Liberal Arts and Sciences major is designed for students planning to transfer to either a California State University or University of California institution. To earn the associate of arts degree with a liberal arts and sciences major, students must complete the Cal-GETC General Education Certification pattern and one of the four areas of emphasis. The areas of emphasis are: health science, humanities, mathematics, and science or social and behavioral science. The area of emphasis requires a minimum of 18 units with a grade of "C" or better in all courses in the area of emphasis and general education categories. The courses identified for each area of emphasis fulfill major preparation requirements as demonstrated through ASSIST.org articulation. A

minimum of six units must be completed within a single discipline for both the humanities and social & behavioral science options. The mathematics and science area of emphasis requires at least one calculus mathematics course and the health science option requires a minimum of six units in either biology or psychology as indicated by the program guide. Consult a counselor for specific information regarding the intended major at the college the student is choosing.

Courses used to complete a student's area of emphasis can double count for general education just as they may for any other major.

Although the associate degree recognizes the completion of lower division general education requirements, it does not guarantee admission to a specific campus in the CSU or UC system, nor does it guarantee admission to a specific major. Some majors and schools require a higher GPA than is necessary for the associate degree. Students should meet with a counselor to determine the lower division major preparation needed for their intended transfer school. To meet requirements for the Cal-GETC Liberal Arts associate degree program, students must:

- Complete the Cal-GETC General Education Breadth Certification pattern. Consult with the counseling office for the appropriate list of applicable courses.
- Earn a "C" or higher in all required courses in designated liberal arts degree emphasis area and Cal-GETC general education categories.
- Complete a minimum of 60-degree applicable CSU transferable semester units to earn this degree. (If aiming for transfer to a UC campus, make sure to also complete at least 60 UC transferable semester units.)
- Earn a cumulative G.P.A. of 2.0 or higher in all college coursework completed.
- Meet College of the Canyons' residency requirements for graduation.

Notes: Courses taken for "credit or pass" can be applied to the degree based on college policy. CLEP is not approved toward the Cal-GETC general education transfer pattern.

Associate in Arts Degree: Liberal Arts and Sciences

Degree Student Learning Outcome:
Students will be able to analyze biological or psychological concepts and formulate strategies for a health related career.

Program Requirements:
Health Science Emphasis: Minimum 18 units. Select at least six units from one discipline.

		Units
BIOSCI-100	General Biology	4.0
	OR	
BIOSCI-100H	General Biology – Honors	4.0
BIOSCI-101	Introductory Biology for Health Professions	4.0
BIOSCI-201	Introduction to Human Anatomy	4.0
BIOSCI-202	Introduction to Human Physiology	4.0
BIOSCI-204	Human Anatomy & Physiology I	4.0
BIOSCI-205	Human Anatomy & Physiology II	4.0
BIOSCI-221	Introduction to Microbiology	5.0
CHEM-151	Preparatory General Chemistry	4.0
	OR	
CHEM-151H	Preparatory General Chemistry – Honors	4.0
COMM-C1000	Introduction to Public Speaking	3.0
	OR	
COMM-C1000H	Introduction to Public Speaking – Honors	3.0
HLHSCI-150	Nutrition	3.0
STAT-C1000	Introduction to Statistics	4.0
	OR	
STAT-C1000E	Introduction to Statistics	5.0
	OR	
STAT-C1000H	Introduction to Statistics - Honors	4.0
PSYC-C1000	Introduction to Psychology	3.0
	OR	
PSYC-C1000H	Introduction to Psychology - Honors	3.0
PSYC-172	Developmental Psychology	3.0
	OR	
PSYC-172H	Developmental Psychology – Honors	3.0
SOCI-101	Introduction to Sociology	3.0
	OR	
SOCI-101H	Introduction to Sociology – Honors	3.0

Degree Student Learning Outcome:
Students will be able to analyze concepts from the liberal arts and sciences.

Program Requirements:
Humanities Emphasis: Minimum 18 units. Select at least six units from one discipline.

		Units
ART-100	Landmarks of Art and Visual Culture	3.0
ARTH-C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ARTH-C1200	Survey of Art from the Renaissance to Contemporary	3.0
ART-125A	Fundamentals of Drawing	3.0
ART-140	Beginning Design: Two-Dimensional Media	3.0
ECON-170	Economic History of the United States	3.0
	OR	
ECON-170H	Economic History of the United States – Honors	3.0

Continued on the next page.

ENGL C1002	Introduction to Literature	3.0
ENGL C1003	Critical Thinking and Writing through Literature	4.0
ENGL-250	British Literature I	3.0
ENGL-251	British Literature II	3.0
ENGL-260	American Literature I	3.0
ENGL-261	American Literature II	3.0
ENGL-273	World Literature I	3.0
ENGL-274	World Literature II	3.0
FRNCH-101	Elementary French I	5.0
FRNCH-102	Elementary French II	5.0
FRNCH-201	Intermediate French I	5.0
FRNCH-202	Intermediate French II	5.0
GERMAN-101	Elementary German I	5.0
GERMAN-102	Elementary German II	5.0
HIST-101	History of Western Civilization: The Pre-Industrial West	3.0
	OR	
HIST-101H	History of Western Civilization: The Pre-Industrial West - Honors	3.0
HIST-102	History of Western Civilization: The Modern Era	3.0
HIST-C1001	United States History to 1877	3.0
	OR	
HIST-C1001H	United States History to 1877 – Honors	3.0
HIST-C1002	United States History Since 1865	3.0
	OR	
HIST-C1002H	United States History Since 1865 – Honors	3.0
HIST-120	The Role of Women in the History of the United States	3.0
	OR	
HIST-120H	The Role of Women in the History of the United States - Honors	3.0
HIST-130	Social and Cultural History of the United States	3.0
HIST-161	World History I	3.0
MUSIC-100	Fundamentals of Music	3.0
MUSIC-105	Music Appreciation	3.0
MUSIC-106	Development of Jazz	3.0
MUSIC-107	History of Rock & Roll	3.0
MUSIC-120A	Tonal Harmony I	3.0
MUSIC-120B	Tonal Harmony II	3.0
MUSIC-220A	Chromatic Harmony I	3.0
MUSIC-220B	Chromatic Harmony II	3.0
PHILOS-101	Introduction to Philosophy	3.0
	OR	
PHILOS-101H	Introduction to Philosophy – Honors	3.0
PHILOS-102	Introduction to Eastern Religion and Philosophy	3.0
PHILOS-110	History of Ancient Philosophy	3.0
PHILOS-111	History of Modern Philosophy	3.0
PHILOS-112	History of Philosophy – 20th Century Philosophy	3.0
PHILOS-120	Introduction to Ethics	3.0
PHILOS-220	Introduction to Comparative Religion	3.0
PHILOS-230	Symbolic Logic	3.0
SPAN-101	Elementary Spanish I	5.0
	OR	
SPAN-101H	Elementary Spanish I	5.0
	OR	
SPAN-211	Spanish for Heritage Speakers I	5.0
SPAN-102	Elementary Spanish II	5.0
	OR	
SPAN-212	Spanish for Heritage Speakers II	5.0
SPAN-201	Intermediate Spanish I	5.0
SPAN-202	Intermediate Spanish II	5.0
SIGN-101	American Sign Language I	4.0
SIGN-102	American Sign Language II	4.0
SIGN-103	American Sign Language III	4.0
SIGN-104	American Sign Language IV	4.0
THEATR-100	Theatre Appreciation	3.0
THEATR-110	Understanding Theatre	3.0
THEATR-140	Acting Fundamentals	3.0
THEATR-141	Scene Performance	3.0
THEATR-220	Theatre History I	3.0

Degree Student Learning Outcome:
Students will be able to analyze concepts from the liberal arts and sciences.

Program Requirements:
Mathematics and Science Emphasis: Minimum 18 units. Select six units from a single discipline and at least one mathematics course.

		Units
BIOSCI-100	General Biology	1.0
	OR	
BIOSCI-100H	General Biology- Honors	4.0
BIOSCI-106	Organismal & Environmental Biology	4.0
	OR	
BIOSCI-106H	Organismal & Environmental Biology - Honors	4.0
BIOSCI-107	Molecular and Cellular Biology	4.0
	OR	
BIOSCI-107H	Molecular and Cellular Biology Honors	4.0
BIOSCI-115	General Zoology	4.0
BIOSCI-116	General Botany	4.0
BIOSCI-201	Introduction to Human Anatomy	4.0

BIOSCI-202	Introduction to Human Physiology	4.0
BIOSCI-221	Introduction to Microbiology	5.0
CHEM-151	Preparatory General Chemistry	4.0
	OR	
CHEM-151H	Preparatory General Chemistry - Honors	4.0
CHEM-201	General Chemistry I	5.0
	OR	
CHEM-201H	General Chemistry I – Honors	5.0
CHEM-202	General Chemistry II	5.0
CHEM-255	Organic Chemistry I	5.0
CHEM-256	Organic Chemistry II	5.0
GEOGRPH-100	Physical Geography	3.0
GEOGRPH-101	Physical Geography with Lab	4.0
GEOGRPH-103	Weather and Climate	3.0
GEOLOGY-100	Physical Geology	3.0
GEOLOGY-101	Physical Geology with Lab	4.0
GEOLOGY-110	Earth Science with Lab	4.0
MATH-211	Calculus I	5.0
	OR	
MATH-211X	Calculus I with Support	6.0
MATH-212	Calculus II	5.0
MATH-213	Calculus III	5.0
MATH-214	Linear Algebra	4.0
MATH-215	Differential Equations	4.0
PHYSIC-110	General Physics I	4.0
PHYSIC-111	General Physics II	4.0
PHYSIC-210	Physics with Calculus for Life Science Majors I	4.0
PHYSIC-211	Physics with Calculus for Life Science Majors II	4.0
PHYSIC-220	Physics for Scientists and Engineers: Mechanics of Solids and Fluids	4.0
PHYSIC-221	Physics for Scientists and Engineers: Electricity, Magnetism, and Waves	4.0
PHYSIC-222	Physics for Scientists and Engineers: Thermodynamics, Optics, Relativity and Modern Physics	4.0

Degree Student Learning Outcome:
Students will be able to analyze concepts from the liberal arts and sciences.

Program Requirements:
Social and Behavioral Sciences Emphasis: Minimum 18 units: Select at least six units from one discipline.

		Units
ANTHRO-103	Cultural Anthropology	3.0
	OR	
ANTHRO-103H	Cultural Anthropology - Honors	3.0
ANTHRO-105	Introduction to Archaeology and Prehistory	3.0
ANTHRO-220	Magic, Witchcraft and Religion	3.0
COMM-246	Interpersonal Communication	3.0
COMM-256	Intercultural Communication	3.0
ECE-101	Child Growth and Development	3.0
ECE-102	Child, Family, and Community	3.0
ECON-170	Economic History of The United States	3.0
	OR	
ECON-170H	Economic History of The United States – Honors	3.0
ECON-C2001	Principles of Microeconomics	3.0
	OR	
ECON-C2001H	Principles of Microeconomics - Honors	3.0
ECON-C2002	Principles of Macroeconomics	3.0
	OR	
ECON-C2002H	Principles of Macroeconomics – Honors	3.0
ETHNST-101	Introduction to Ethnic Studies	3.0
ETHNST-102	Introduction to Chicana/o/x Studies	3.0
GEOGRPH-102	Human Geography	3.0
GEOGRPH-104	World Regional Geography	3.0
HIST-101	History of Western Civilization: The Pre-Industrial West	3.0
	OR	
HIST-101H	History of Western Civilization: The Pre-Industrial West- Honors	3.0
HIST-C1001	United States History to 1877	3.0
	OR	
HIST-C1001H	United States History to 1877 – Honors	3.0
HIST-C1002	United States History Since 1865	3.0
	OR	
HIST-C1002H	United States History Since 1865 – Honors	3.0
HIST-120	The Role of Women in the History of the United States	3.0
	OR	
HIST-120H	The Role of Women in the History of the United States – Honors	3.0
HIST-130	Social and Cultural History of the United States	3.0
HIST-161	World History I	3.0
HIST-240	Latin American Civilization	3.0
MEA-100	Mass Media and Society	3.0
POLS-C1000	American Government and Politics	3.0
	OR	
POLS-C1000H	American Government and Politics – Honors	3.0
POLS-230	Political Theory	3.0

Continued on the next page.

POLS-250	Comparative Government and Politics	3.0
POLS-270	International Relations	3.0
POLS-290	Ethnic and Gender Politics	3.0
PSYC-C1000	Introduction to Psychology	3.0
	OR	
PSYC-C1000H	Introduction to Psychology – Honors	3.0
PSYC-102	Physiological Psychology	3.0
PSYC-103	Introduction to Behavioral Research	3.0
PSYC-104	Statistics for the Behavioral Sciences	4.0
	OR	
SOCI-137	Statistics for the Social Sciences	4.0
PSYC-105	Personal Growth and Adjustment	3.0
PSYC-109	Social Psychology	3.0
PSYC-126	Cognitive Psychology	3.0
PSYC-172	Developmental Psychology	3.0
	OR	
PSYC-172H	Developmental Psychology - Honors	3.0
PSYC-225	Psychology of Learning and Behavior	3.0
PSYC-230	Human Sexuality	3.0
PSYC-240	Abnormal Psychology	3.0
SOCI-101	Introduction to Sociology	3.0
	OR	
SOCI-101H	Introduction to Sociology - Honors	3.0
SOCI-102	Introduction to Sociological Research Methods	3.0
SOCI-103	Intimate Relationships and Families	3.0
	OR	
SOCI-103H	Intimate Relationships and Families – Honors	3.0
SOCI-104	Introduction to Social Justice Studies	3.0
SOCI-105	Inequalities and Equity in The United States	3.0
SOCI-107	Introduction to Chicana/o Culture	3.0
SOCI-108	Thinking Critically About Social Issues	3.0
SOCI-200	Sociology of Gender	3.0
	OR	
SOCI-200H	Sociology of Gender - Honors	3.0
SOCI-207	Social Problems	3.0
SOCI-250	Introduction to Criminology	3.0

Certificate of Achievement: Cal-GETC

The Cal-GETC Certificate of Achievement allows the student transferring to a four-year college or university the opportunity to receive a certificate. The requirements for this certificate of achievement are completion of Cal-GETC general education requirements with a grade of "C" or better in each course. Specific requirements can be found at www.assist.org or consult with the Counseling Office.

MANUFACTURING TECHNOLOGY

Manufacturing Technology is a career education program designed to prepare students for a variety of entry-level positions in a manufacturing environment. These positions may include manual machine operator, computer numerical control operator, Computer-aided design/manufacturing (CAD/CAM) designer, or programmer. Classes are designed for first-time college students, re-entry students, and current industry employees requiring skill enhancement or upgrade training. Learned skills may include the ability to operate conventional and computer numerical control (CNC) machinery, program CNC machinery, operate various CAD/CAM systems and interpret blueprints.

Certificate of Achievement: Tooling and Milling

This certificate provides students training in to the necessary theoretical and professional skills necessary to safely operate manual metalworking and machining equipment. Prepares students for certification to the National Institute of Metalworking Skills (NIMS) in drill press, milling and turning operations. Upon completion of the certificate, students will be able to work in the automotive, aerospace, and manufacturing industries.

Certificate Student Learning Outcome:
Students will be able to perform a variety of metalworking and machining applications that meet or exceed industry standards.

Program Requirements:
Units Required: 19

		Units
MFGT-090	Measurements and Computations	3.0
MFGT-100	Industrial Safety	2.0
MFGT-101	Print Reading for the Machine Trades	2.0
MFGT-102	Geometric Dimensioning for the Machine Trades	2.0
MFGT-103	Metrology for the Machine Trades	2.0
MFGT-104	Metallurgy for the Machine Trades	2.0
MFGT-105	Benchwork and Handtool Fundamentals	2.0
MFGT-106	Applied Manual Machining	4.0

Certificate of Specialization: Manufacturing Technology - CATIA

This certificate prepares students on CATIA software specifically used in the automotive, aerospace, and manufacturing industries. Upon completion of the certificate, students will be able to work in the automotive, aerospace, and manufacturing industries as a designer or drafter.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core CATIA skills and knowledge required for a variety of manufacturing industries.

Program Requirements:
Units Required: 6

		Units
MFGT-141	CATIA I	3.0
MFGT-142	CATIA II	3.0

Certificate of Specialization: Machining/CNC

This certificate prepares students for CNC programming specifically used in the automotive, aerospace, and manufacturing industries. Upon completion of the certificate, students will be able to work in the automotive, aerospace, and manufacturing industries as a CNC machinist, CNC lathe operator, production machinist, or CNC programmer.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core CNC skills and knowledge required for a variety of manufacturing industries.

Program Requirements:
Units Required: 6

		Units
MFGT-121	CNC 1: Operation and Manual Programming	3.0
MFGT-122	CNC 2: Concepts and Programming	3.0

Certificate of Specialization: Manufacturing Fundamentals

This certificate provides students training in non-CNC machining applications used in the automotive, aerospace, and manufacturing industries. Upon completion of the certificate, students will be able to work in the automotive, aerospace, and manufacturing industries as an entry-level machinist.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in non-CNC machining and knowledge required for a variety of manufacturing industries.

Program Requirements:
Units Required: 9

		Units
MFGT-090	Measurements and Computations	3.0
MFGT-112	Introduction to Manufacturing Technology	3.0
MFGT-113	Machining Fundamentals	3.0

MFGT 090 MEASUREMENTS AND COMPUTATIONS

Units: 3.00 (3.00 units lecture)
54.00 hours lecture

Focuses on measurements and calculations used in manufacturing related and technical career fields. Reviews basic computations and measurement systems used for shop and field applications.

MFGT 100 INDUSTRIAL SAFETY

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Provides instruction for safe work practice in an industrial environment. Emphasis on safety philosophies, terminology, fire safety, pressurized gasses and welding, chemical and electrical hazards, in addition to the safe handling, storage, and disposal of hazardous materials.

MFGT 101 PRINT READING FOR THE MACHINE TRADES

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Recommended Preparation: MFGT-090

Surveys the interpretation of technical drawings for machine trades. Explains print reading concepts and application, including use of sketches, multiview drawings, and line types. Covers print dimensioning from basic dimensioning through first angle projection, in addition to common assembly drawings and fasteners used in manufacturing.

MFGT 102 GEOMETRIC DIMENSIONING AND TOLERANCING

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Recommended Preparation: MFGT-101

Introduces the underlying concepts and practices of Geometric Dimensioning and Tolerancing. Focuses on dimensions and tolerances on engineering drawings per the ASME Y14 standard, datums, geometric rules, types, characteristics, and tolerance zones.

MFGT 103 METROLOGY FOR THE MACHINE TRADES

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
CSU 18.00 hours lecture, 54.00 hours lab

Prerequisite: MFGT-100

Explores the principles, techniques, and devices used within today's dimensional metrology fields including industrial measurement and instruments such as gage blocks, steel rules, calipers, micrometers, depth micrometers, dial indicators, and height gauges. Covers equipment principles, measuring techniques, and best practices for the use of dimensional measuring equipment.

Continued on the next page.

MFGT 104 METALLURGY FOR THE MACHINE TRADES

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Recommended Preparation: MFGT-103

Surveys common metals and metal alloys used in today's manufacturing industries. Covers physical and mechanical properties of ferrous and nonferrous metals for individuals working in the machine trades. Explores the basics of metal manufacturing, includes how metals and alloys are produced, and examines common testing methods used to measure and evaluate metal properties.

MFGT 105 BENCHWORK AND HANDTOOL FUNDAMENTALS

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
CSU 18.00 hours lecture, 54.00 hours lab

Prerequisite: MFGT-100

Introduces the theory and application of tools and electrically powered metalworking equipment. Emphasizes the safe use of common hand tools, bandsaws, drill presses, and grinding equipment. Prepares students for the National Institute for Metalworking Skills (NIMS) Machining Level I (Drill Press) certification exam.

MFGT 106 APPLIED MANUAL MACHINING

Units: 4.00 (2.00 units lecture, 2.00 units lab)
CSU 36.00 hours lecture, 108.00 hours lab

Prerequisite: MFGT-100

Capstone course that examines theory and application of the safe use of manual lathe and milling machines. Focuses on building skills in turning and milling operations to produce accurately dimensioned parts and components. Prepares students for the National Institute for Metalworking Skills (NIMS) Machining Level I (Manual Milling and Turning Operations) certification exam.

MFGT 112 INTRODUCTION TO MANUFACTURING TECHNOLOGY

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Introduces basic machine tool practices as they relate to common manufacturing operations, including measuring, cutting, and drilling common metals to standard drawings and specifications. Emphasis is placed on the care and safe use of related hand tools and machine shop equipment.

MFGT 113 MACHINING FUNDAMENTALS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: MFGT-112

Introduces the theory and application training in the use of machine tools such as lathes, milling machines, drill presses, power saws, and bench grinders. Machine tool terminology, theory, math, part layout, and bench work using common and precision measuring tools is covered. Emphasis is placed on shop safety, housekeeping, and preventative maintenance of equipment.

MFGT 121 CNC 1: OPERATION AND MANUAL PROGRAMMING

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: MFGT-113

Introduces the basic concepts of Computer Numerically Controlled (CNC) machine tools. Emphasis on safety, measurement, drilling machines, lathes, milling and grinding machines focusing on practices and setups used in industry.

MFGT 122 CNC 2: CONCEPTS AND PROGRAMMING

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: MFGT-121

Surveys advanced level operation of Computer Numerically Controlled (CNC) lathe and milling machines. Emphasis is placed on safety, metallurgy, job planning, advanced programming, and solid modeling used in industry.

MFGT 131 CAD/CAM I

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Introduces computer-aided design and manufacturing using MASTERCAM as a CAD/CAM environment, emphasizing the writing and running of CNC lathe programs and machining metal parts. Includes a review of machining and CNC programming fundamentals, the MASTERCAM environment and process overview, basic two-dimensional geometry construction and modification, process and toolpath planning, and 2-axis toolpath generation and editing.

MFGT 141 CATIA I

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Introduces solid modeling using CATIA software. Topics include sketching, part design modeling, assembly design, drafting, and introduction to wire frame and surface design.

MFGT 142 CATIA II

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: MFGT-141

Presents advanced topics in using CATIA software, including sketching, part design modeling, wire frame and surface design, assembly design, DMU Kinematics, part preparation for manufacturer, and an introduction to other CATIA Workbenches including Prismatic Machining and Generative Structural Analysis.

MATHEMATICS

The Mathematics program provides curriculum from algebra to statistics, liberal arts math, linear algebra, calculus, and differential equations. These courses fulfill breadth requirements, associate degree requirements and transfer major requirements for degrees in mathematics, physics, chemistry and engineering. Many B.A./B.S. level careers require extensive background in mathematics. Virtually all two-year career programs in the business or technology fields require a solid foundation in mathematics. Examples of these career options include computer programmer, financial analyst, statistician, systems analyst, urban planner, and teacher.

Associate in Science Degree: Mathematics

Degree Student Learning Outcome:
Students will be able to:

— Prepare for the mathematical reasoning required in upper division work in their major, including the ability to generalize concepts and comprehend increasing levels of abstraction.

— Demonstrate mathematical literacy, problem-solving ability, and modeling ability.

Program Requirements:
Units Required: 18 – 21

		Units
MATH-211	Calculus I	5.0
	OR	
MATH-211X	Calculus I with Support	6.0
MATH-212	Calculus II	5.0
MATH-213	Calculus III	5.0

Plus three - five units from the following:

STAT-C1000	Introduction to Statistics	4.0
STAT-C1000E	Introduction to Statistics	5.0
STAT-C1000H	Introduction to Statistics – Honors	4.0
MATH-214	Linear Algebra	4.0
MATH-215	Differential Equations	4.0
CMPSCI-111	Introduction to Algorithms and Programming/Java	3.0
PHYSIC-220	Physics for Scientists and Engineers: Mechanics of Solids and Fluids	4.0

STAT C1000 INTRODUCTION TO STATISTICS

Units: 4.00 (3.50 units lecture, 0.50 units lab)
UC:CSU 63.00 hours lecture, 27.00 hours lab
C-ID MATH 110

Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra.

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. This course cover essential concepts and techniques for analyzing categorical data. Students will learn effective data visualization methods and statistical techniques. Topics include calculating and interpreting confidence intervals for one and two population proportions, checking necessary assumptions, and conducting hypothesis tests for both one and two populations. Additionally, the course addresses important considerations in hypothesis testing, such as Type I and Type II errors. UC credit limitation: ECON-291, PSYC-104, SOCI-137, STAT-C1000, STAT-C1000E, and STAT-C1000H combined, maximum credit one course. Formerly MATH-140.

STAT C1000E INTRODUCTION TO STATISTICS

Units: 5.00 (3.50 units lecture, 1.50 units lab)
UC:CSU 63.00 hours lecture, 81.00 hours lab

Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra.

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. This course has embedded support. This course covers essential concepts and techniques for analyzing categorical data. Students will learn effective data visualization methods and statistical techniques. Topics include calculating and interpreting confidence intervals for one and two population proportions, checking necessary assumptions, and conducting hypothesis tests for both one and two populations. Additionally, the course addresses important considerations in hypothesis testing, such as Type I and Type II errors. UC credit limitation: ECON-291, PSYC-104, SOCI-137, STAT-C1000, STAT-C1000E, and STAT-C1000H combined, maximum credit one course. Formerly MATH-140X.

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STAT C1000H INTRODUCTION TO STATISTICS - HONORS

Units: 4.00 (3.50 units lecture, 0.50 units lab
UC:CSU 63.00 hours lecture, 27.00 hours lab
C-ID MATH 110

Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra.

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. This is an honors course. This course covers essential concepts and techniques for analyzing categorical data. Students will learn effective data visualization methods and statistical techniques. Topics include calculating and interpreting confidence intervals for one and two population proportions, checking necessary assumptions, and conducting hypothesis tests for both one and two populations. Additionally, the course addresses important considerations in hypothesis testing, such as Type I and Type II errors. UC credit limitation: ECON-291, PSYC-104, SOCI-137, STAT-C1000, STAT-C1000E, and STAT-C1000H combined, maximum credit one course. Formerly MATH-140H.

MATH 100 LIBERAL ARTS MATHEMATICS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Prerequisite: Completion of Intermediate Algebra or higher math placement

Presents general mathematical ideas and tools used to solve practical problems including logic, sets, numbers, financial calculations, probability, statistics, and mathematics in politics, society, and the arts. This class will satisfy the math requirement for many liberal arts majors but not for STEM (Science, Technology, Engineering, or Math) majors, Social Science majors, and many Health Professions majors.

MATH 102 TRIGONOMETRY

Units: 4.00 (4.00 units lecture)
CSU 72.00 hours lecture

Prerequisite: Completion of Intermediate Algebra or higher math placement
Examines trigonometric functions, identities, and equations, along with solutions of triangles, complex numbers, vectors, and applications.

MATH 102X TRIGONOMETRY WITH SUPPORT

Units: 5.00 (4.00 units lecture, 1.00 unit lab)
CSU 72.00 hours lecture, 54.00 hours lab

Prerequisite: Completion of Intermediate Algebra or higher math placement

Examines trigonometric functions, identities, equations, solutions of triangles, complex numbers, vectors, and applications along with basic algebraic and geometric ideas, skills, and tools used in trigonometry and other STEM math courses.

MATH 103 COLLEGE ALGEBRA

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture

Prerequisite: Completion of Intermediate Algebra or higher math placement
Presents linear and non-linear algebraic relations and functions, conic sections, exponential and logarithmic functions, matrices and determinants, complex numbers and selected topics from theory of equations, sequences and series. UC credit limitation: MATH-103 and MATH-104 combined: maximum credit, 5 semester units.

MATH 103X COLLEGE ALGEBRA WITH SUPPORT

Units: 6.00 (5.00 units lecture, 1.00 unit lab)
UC:CSU 90.00 hours lecture, 54.00 hours lab

Prerequisite: Completion of Intermediate Algebra or higher math placement
Presents linear and non-linear algebraic relations and functions, conic sections, exponential and logarithmic functions, matrices and determinants, complex numbers and selected topics from theory of equations, sequences and series, along with basic mathematical concepts and skills that are helpful in College Algebra. UC credit limitation: MATH-103X and MATH-104 combined: maximum credit, 5 semester units.



MATH 104 PRECALCULUS

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture

Prerequisite: MATH-102, MATH-102X, or higher math placement

Analyzes equations, inequalities, functions, systems of equations, conic sections, zeros of polynomial equations and additional topics in preparation for calculus. UC credit limitation: MATH-103 or MATH-103X and MATH-104 combined: maximum credit, 5 semester units.

MATH 104X PRECALCULUS WITH SUPPORT

Units: 6.00 (5.00 units lecture, 1.00 unit lab)
UC:CSU 90.00 hours lecture, 54.00 hours lab

Prerequisite: MATH-102, MATH-102X, or higher math placement

Analyzes equations, inequalities, functions, systems of equations, conic sections, zeros of polynomial equations, and additional topics in preparation for calculus, along with relevant mathematical concepts and skills helpful in Precalculus. UC credit limitation: MATH-103 or MATH-103X and MATH-104X combined: maximum credit, 5 semester units

MATH 130 MATH FOR ELEMENTARY SCHOOL TEACHERS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID MATH 120

Prerequisite: Completion of Intermediate Algebra or higher math placement

Introduces number theory, problem-solving techniques, and the development, structure and history of the real number system. (Designed primarily for students intending to teach at the elementary or junior high school level.)

MATH 211 CALCULUS I

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture
C-ID MATH 211

Prerequisite: MATH-104 or higher math placement

Introduces limits, derivatives and integrals, as well as applications including rate of change, maxima-minima, curve sketching, and area problems. UC credit limitation: MATH-211 and 240 combined, maximum credit one course.

MATH 211X CALCULUS I WITH SUPPORT

Units: 6.00 (5.00 units lecture, 1.00 unit lab)
UC:CSU 90.00 hours lecture, 54.00 hours lab

Prerequisite: MATH-104, MATH-104X, or higher math placement

Introduces limits, derivatives, and integrals, as well as applications including rate of change, maxima-minima, curve sketching, and area problems, along with relevant mathematical concepts and skills for support in Calculus 1.

MATH 212 CALCULUS II

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture
C-ID MATH 221

Prerequisite: MATH-211 or higher Math placement

Covers differentiation and integration of transcendental functions, techniques of integration, improper integrals, infinite series, and applications.

MATH 213 CALCULUS III

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture
C-ID MATH 230

Prerequisite: MATH-212

Presents vectors and vector calculus, functions of several variables, partial derivatives, multiple integrals, line and surface integrals, Green's Theorem, the Divergence Theorem, and Stokes' Theorem.

MATH 214 LINEAR ALGEBRA

Units: 4.00 (4.00 units lecture)
UC:CSU 72.00 hours lecture
C-ID MATH 250

Prerequisite: MATH-212

Presents linear algebra including real vector spaces, inner product spaces, linear transformations, matrices, determinants and eigenvalues.

MATH 215 DIFFERENTIAL EQUATIONS

Units: 4.00 (4.00 units lecture)
UC:CSU 72.00 hours lecture
C-ID MATH 240

Prerequisite: MATH-212

Presents an introduction to ordinary differential equations, including quantitative and qualitative methods, as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations, including establishing when solutions exist, and techniques for obtaining solutions, including series solutions, singular points, numerical methods, Laplace transforms, and linear systems.

MATH 240 CALCULUS FOR BUSINESS AND SOCIAL SCIENCE

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture
C-ID MATH 140

Prerequisite: Completion of Intermediate Algebra or higher math placement

Presents a study of the techniques of calculus with emphasis placed on the application of these concepts to business and management-related problems. The applications of derivatives and integrals of functions including polynomials, rational, exponential and logarithmic functions are studied. UC credit limitation: MATH-211 and 240 combined, maximum credit one course.

Continued on the next page.

MATH 240X CALCULUS FOR BUSINESS AND SOCIAL SCIENCE WITH SUPPORT

Units: 6.00 (5.00 units lecture, 1.00 unit lab)
UC:CSU 90.00 hours lecture, 54.00 hours lab

Prerequisite: Completion of Intermediate Algebra or higher math placement

Presents a study of the techniques of calculus with emphasis placed on the application of these concepts to business and management-related problems. The applications of derivatives and integrals of functions, including polynomials, rational, exponential, and logarithmic functions are studied along with relevant mathematical concepts and skills to support Business Calculus.

MEDIA ENTERTAINMENT ARTS

Media Entertainment Arts (formerly Radio/Television/Film and Animation) seeks to create, improve, expand and strengthen relevant and rigorous academic Programs of Study, in cooperation with local high school, ROP, and community and regional business and industry partners. By developing sequentially-modeled curricula and practicum for media, entertainment, and design industries, Media Entertainment Arts links current industry skills and foundation Career & Technical Education standards to all aspects of study.

Associate in Arts for Transfer Degree: Journalism

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Journalism. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:
Students will be able to demonstrate proficiency in the cores skills and knowledge required for journalism.

Program Requirements:

Units required: 18 – 20

		Units
MEA-100	Mass Media and Society	3.0
MEA-110	Writing for Multimedia Journalism	3.0
MEA-225	News Media Production I	3.0
	Plus three units from the following:	
MEA-125	Introduction to Multimedia Journalism	3.0
MEA-210	Intermediate News Reporting/ Writing	3.0
PHOTO-215	Photojournalism and News Photography	3.0
	Plus a minimum of six units from the following:	
COMM-100	Process of Communication	3.0
COMM-225	Strategies of Argumentation	3.0
ENGL-C1001	Critical Thinking and Writing	3.0
	OR	
ENGL-C1001H	Critical Thinking and Writing – Honors	3.0
PHOTO-155	Photography	3.0
POLS-C1000	American Government and Politics	3.0
	OR	
POLS-C1000H	American Government and Politics - Honors	3.0
SOCI-137	Statistics for the Social Sciences	4.0
	OR	
STAT-C1000	Introduction to Statistics	4.0
	OR	
STAT-C1000E	Introduction to Statistics	5.0
	OR	
STAT-C1000H	Introduction to Statistics – Honors	4.0

Associate in Arts Degree: Animation Production

The Animation Program will prepare students for an entry-level position in the animation industry with emphasis in either computer or hand-drawn methods. The Associate Degrees are also designed to transfer to four-year colleges or universities. At the conclusion of their studies, all students will be prepared for entry-level positions in a number of fields (for example: video game design, television and motion picture production) requiring them to create animation, by either computer or hand-drawn methods, or a combination of the two. Classes include traditional drawn animation, character design, layout, storyboarding, 2-D computer animation, and 3-D computer animation.

Degree Student Learning Outcome:
Students will be able to:

— Create portfolio-ready art work demonstrating their mastery of the fundamentals of concept art and two dimensional animation.
— Critique animation projects using industry standards

Program Requirements:
Units Required: 30.5

		Units
MEA-100	Mass Media and Society	3.0
	OR	
MEA-101	Television and Film Media Aesthetics	3.0
	OR	
MEA-102	History of Animation	3.0
MEA-106	Introduction to Animation	3.0
MEA-109	Story Development and Storyboarding	3.0
MEA-118	Introduction – 2D Digital Animation	3.0
	OR	
MEA-190	Stop-Motion Animation Fundamentals	3.0
MEA-265	Studio Production	3.0
CAWT-074	Introduction to Photoshop	1.5
ART-125A	Fundamentals of Drawing	3.0
	OR	
ART-225A	Life Drawing I	3.0
ART-225B	Life Drawing II	3.0

Plus a minimum of six units from the following:

MEA-221	Extended Reality Design and Development	3.0
MEA-232	Character and Prop Design for Animation	3.0
MEA-233	Advanced 2D Animation	3.0
MEA-261	Advanced Animation	3.0

Plus a minimum of two units from the following:

MEA-295	Professional Practices/Portfolio	2.0
	OR	
WE-186MEA	Work Experience Education Media Entertainment Arts	0.05 – 4.0

Recommended electives:

THEATR-140	Acting Fundamentals	3.0

Certificate of Achievement: Animation Production

Animation Production provides the skills necessary in the animation industry with a focus on drawn animation and concept art.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core knowledge and skills required for employment in animation production.

Program Requirements:
Units Required: 15

		Units
MEA-106	Introduction to Animation	3.0
MEA-109	Story Development and Storyboarding	3.0
MEA-118	Introduction – 2D Digital Animation	3.0
	OR	
MEA-190	Stop-Motion Animation Fundamentals	3.0

Plus a minimum of six units from the following:

MEA-232	Character and Prop Design for Animation	3.0
MEA-233	Advanced 2D Animation	3.0
MEA-261	Advanced Animation	3.0

Recommended electives:

GMD-173	Motion Design	3.0
MUSIC-114	Digital Sound Editing	3.0
MEA-116	Film/Video Editing	3.0

Associate in Arts Degree: Computer Animation

Degree Student Learning Outcome:
Students will be able to:

— Create portfolio-ready art work demonstrating their mastery of the fundamentals of computer animation and CGI scene creation.
— Critique animation projects using industry standards.

Program Requirements:
Units Required: 30.5

		Units
MEA-131	3D Modeling and Surfacing	3.0
MEA-135	Character Animation	3.0
MEA-265	Studio Production	3.0
CAWT-074	Introduction to Photoshop	1.5
GMD-173	Motion Design	3.0

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Plus a minimum of three units from the following:

MEA-100	Mass Media and Society	3.0
MEA-102	History of Animation	3.0

Plus a minimum of six units from the following:

MEA-106	Introduction to Animation	3.0
MEA-109	Story Development and Storyboarding	3.0
MUSIC-114	Digital Sound Editing	3.0
MEA-116	Film/Video Editing	3.0
MEA-118	Introduction – 2D Digital Animation	3.0
MEA-190	Stop-Motion Animation Fundamentals	3.0

Plus a minimum of six units from the following:

MEA-218	3D Game Art Creation	3.0
MEA-221	Extended Reality Design and Development	3.0
MEA-231	Digital Sculpture	3.0
MEA-235	Visual Effects	3.0

Plus a minimum of two units from the following:

MEA-295	Professional Practices/Portfolio	2.0
WE-186MEA	Work Experience Education Media Entertainment Arts	0.05 – 4.0

Recommended electives:

MEA-108	Scriptwriting Fundamentals	3.0
ART-125A	Fundamentals of Drawing	3.0
DANCE-111	Fundamentals of Dance Movement	1.0
	OR	
THEATR-241	Movement for the Performer	3.0
PHOTO-150	Introduction to Cameras and	3.0

Certificate of Achievement: Computer Animation

The Computer Animation Certificate provides skills necessary in the animation industry with a focus on 2D and 3D computer animation.

Certificate Student Learning Outcome:

Students will be able to create portfolio-ready art work demonstrating their mastery of the fundamentals of computer animation and CGI scene creation.

Program Requirements:

Units Required: 18

		Units
MEA-118	Introduction – 2D Digital Animation	3.0
MEA-131	3D Modeling and Surfacing	3.0
MEA-135	Character Animation	3.0
GMD-173	Motion Design	3.0

Plus a minimum of six units from the following:

MEA-221	Extended Reality Design and Development	3.0
MEA-231	Digital Sculpture	3.0
MEA-235	Visual Effects	3.0

Recommended Electives

MUSIC-114	Digital Sound Editing	3.0
MEA-116	Film/Video Editing	3.0
MEA-265	Studio Production	3.0

Associate in Arts Degree: Filmmaking

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the filmmaking industry.

Program Requirements:

Units Required: 29

		Units
MEA-101	Television and Film Media Aesthetics	3.0
MEA-120	Introduction to Cinematography	3.0

Plus a minimum of two units from the following:

MEA-111	Exploring Video Field Production	2.0
MEA-112	Exploring Video Studio Production	2.0

Plus fifteen units from the following:

MEA-100	Mass Media and Society	3.0
MEA-108	Scriptwriting Fundamentals	3.0
MEA-116	Film/Video Editing	3.0
MEA-180	Filmmaking I	3.0
	OR	
MEA-190	Stop-Motion Animation Fundamentals	3.0
MEA-221	Extended Reality Design and Development	3.0
MEA-280	Filmmaking II: Directing and Producing	3.0

Required electives: Capstone (needs only one unit of WE-186MEA)

MEA-295	Professional Practices/Portfolio	2.0
WE-186MEA	Work Experience Education Media Entertainment Arts	0.05 – 4.0

Plus a minimum of three units from the following not already taken above:

CINEMA-122	History of Cinema	3.0
MEA-102	History of Animation	3.0
MEA-106	Introduction to Animation	3.0
MEA-107	Writing the Short Script	3.0
MEA-109	Story Development and Storyboarding	3.0
MEA-111	Exploring Video Field Production	2.0
MEA-112	Exploring Video Studio Production	2.0
MUSIC-114	Digital Sound Editing	3.0
MUSIC-155	Introduction to Audio Production	3.0
MUSIC-159	Music Production and Scoring for Film/TV/New Media	3.0

MEA-190	Stop-Motion Animation Fundamentals	3.0
MEA-208	Advanced Screenwriting	3.0
THEATR-140	Acting Fundamentals	3.0
THEATR-144	Acting for the Camera	3.0

Associate in Arts Degree: New Media Journalism

Degree Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required for new media journalism.

Program Requirements:

Units Required: 27

Fundamental Skills (in addition to the requirements below, complete 3 additional units from MEA department for 18 units)

		Units
MEA-110	Writing for Multimedia Journalism	3.0
MEA-120	Introduction to Cinematography	3.0
MEA-125	Introduction to Multimedia Journalism	3.0
MEA-210	Intermediate News Reporting/ Writing	3.0
MEA-225	News Media Production I	3.0
MEA-230	News Media Production II	3.0

Plus a minimum of three units from the following:

MEA-100	Mass Media and Society	3.0
COMM-C1000	Introduction to Public Speaking	3.0
	OR	
COMM-C1000H	Introduction to Public Speaking – Honors	3.0

Plus a minimum of two units from the following:

MEA-111	Exploring Video Field Production	2.0
MEA-112	Exploring Video Studio Production	2.0

Plus a minimum of one unit from the following:

WE-186MEA	Work Experience Education Media Entertainment Arts	0.05 – 4.0

Plus a minimum of three units from the following not already taken above:

MEA-100	Mass Media and Society	3.0
MEA-101	Television and Film Media Aesthetics	3.0
MEA-102	History of Animation	3.0
MEA-106	Introduction to Animation	3.0
MEA-108	Scriptwriting Fundamentals	3.0
MEA-109	Story Development and Storyboarding	3.0
MEA-111	Exploring Video Field Production	2.0
MEA-112	Exploring Video Studio Production	2.0
MUSIC-114	Digital Sound Editing	3.0
MEA-116	Film/Video Editing	3.0
MEA-118	Introduction – 2D Digital Animation	3.0
MEA-120	Introduction to Cinematography	3.0
MEA-131	3D Modeling and Surfacing	3.0
MEA-135	Character Animation	3.0
MUSIC-155	Introduction to Audio Production	3.0
MUSIC-159	Music Production for Film/TV/ New Media	3.0
MEA-180	Filmmaking I	3.0
MEA-218	3D Game Art Creation	3.0
MEA-221	Extended Reality Design and Development	3.0
MEA-231	Digital Sculpture	3.0
MEA-232	Character and Prop Design for Animation	3.0
MEA-233	Advanced 2D Digital Animation	3.0
MEA-235	Visual Effects	3.0
MUSIC-255	Soundtrack Production for Film/TV/New Media	3.0
MEA-261	Advanced Animation	3.0
MEA-265	Studio Production	3.0
MEA-280	Filmmaking II: Directing and Producing the Independent Film	3.0
MEA-295	Professional Practices/Portfolio	2.0
PHOTO-215	Photojournalism and News Photography	3.0

Associate in Arts Degree: Sound Arts

Degree Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required for sound arts.

Program Requirements:

Units Required: 27

		Units
MEA-100	Mass Media and Society	3.0
	OR	
MEA-101	Television and Film Media Aesthetics	3.0
	OR	
MEA-102	History of Animation	3.0
MEA-108	Scriptwriting Fundamentals	3.0
	OR	
MEA-109	Story Development and Storyboarding	3.0
MEA-111	Exploring Video Field Production	2.0

Continued on the next page.

OR

MEA-112	Exploring Video Studio Production	2.0
MUSIC-114	Digital Sound Editing	3.0
MUSIC-155	Introduction to Audio Production	3.0

Plus six units from the following:

MEA-116	Film/Video Editing	3.0
MEA-125	Introduction to Multimedia Journalism	3.0
MUSIC-159	Music Production and Scoring for Film/TV/New Media	3.0

Plus a minimum of three units from the following that have not already taken:

MEA-100	Mass Media and Society	3.0
MEA-101	Television and Film Media Aesthetics	3.0
MEA-102	History of Animation	3.0
MEA-106	Introduction to Animation	3.0
MEA-108	Scriptwriting Fundamentals	3.0
MEA-109	Story Development and Storyboarding	3.0
MEA-110	Writing for Multimedia Journalism	3.0
MEA-111	Exploring Video Field Production	2.0
MEA-112	Exploring Video Studio Production	2.0
MEA-116	Film/Video Editing	3.0
MEA-118	Introduction – 2D Digital Animation	3.0
MEA-120	Introduction to Cinematography	3.0
MEA-125	Introduction to Multimedia Journalism	3.0
MEA-131	3D Modeling and Surfacing	3.0
MEA-135	Character Animation	3.0
MUSIC-159	Music Production and Scoring for Film/TV/New Media	3.0
MEA-180	Filmmaking I	3.0
MEA-210	Intermediate News Reporting/ Writing	3.0
MEA-218	3D Game Art Creation	3.0
MEA-225	News Media Production I	3.0
MEA-230	News Media Production II	3.0
MEA-231	Digital Sculpture	3.0
MEA-232	Character and Prop Design for Animation	3.0
MEA-233	Advanced 2D Digital Animation	3.0
MEA-235	Visual Effects	3.0
MUSIC-255	Soundtrack Production for Film/TV/New Media	3.0
MEA-261	Advanced Animation	3.0
MEA-265	Studio Production	3.0
MEA-280	Filmmaking II: Directing and Producing the Independent Film	3.0
MEA-295	Professional Practices/Portfolio	2.0
PHOTO-215	Photojournalism and News Photography	3.0

Plus a minimum of three units from the following not already taken above:

MEA-210	Intermediate News Reporting/ Writing	3.0
MEA-218	3D Game Art Creation	3.0
MEA-225	News Media Production I	3.0
MEA-230	News Media Production II	3.0
MEA-231	Digital Sculpture	3.0
MEA-232	Character and Prop Design for Animation	3.0
MEA-233	Advanced 2D Digital Animation	3.0
MEA-234	Character Animation	3.0
MEA-235	Visual Effects	3.0
MEA-255	Soundtrack Production for Film/TV/ New Media	3.0

OR

MUSIC-255	Soundtrack Production for Film/TV/New Media	3.0
MEA-261	Advanced Animation	3.0
MEA-265	Animation Production	3.0
MEA-280	Filmmaking II: Directing and Producing the Independent Film	3.0
MEA-295	Professional Practices/Portfolio	2.0
PHOTO-215	Photojournalism and News Photography	3.0

Plus a minimum of one from the following:

WE-186MEA	Work Experience Education Media Entertainment Arts	0.05 – 4.0

Certificate of Achievement: Video Game Animation

A certificate designed to prepare students to enter the video game animation industry.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the field of video game animation.

Program Requirements:

Units Required: 24.5

		Units
MEA-109	Story Development and Storyboarding	3.0
MEA-118	Introduction – 2D Digital Animation	3.0
MEA-131	3D Modeling and Surfacing	3.0
MEA-135	Character Animation	3.0
MEA-218	3D Game Art Creation	3.0
MEA-231	Digital Sculpture	3.0

MEA-221	Extended Reality Design and Development	3.0
	OR	
MEA-232	Character and Prop Design for Animation	3.0
MEA-295	Professional Practices/Portfolio	2.0
CAWT-074	Introduction to Photoshop	1.5
	Recommended electives:	
CMPSCI-235	C Programming	3.0
CMPSCI-236	C++ Object Oriented Programming	3.0
WE-186MEA	Work Experience Education Media Entertainment Arts	0.05 – 4.0

Certificate of Specialization: Extended Reality

The XR Design and Development Certificate delivers an immersive, end-to-end learning experience grounded in user-centered design, collaborative development, and real-world problem-solving. Extended reality (XR) design and development teaches the tools and methods used to create both augmented reality (AR) and virtual reality (VR) programs. From creation of the 2D and 3D art assets, using user interface/user experience (UI/UX) design principles to create the user interface and user experience, to understanding the way to execute and deploy the XR program.

Certificate Student Learning Outcome:

Students will be able to develop and create, using extended reality design principles, a deployable XR project.

Program Requirements:

Units Required: 12

		Units:
MEA-131	3D Modeling and Surfacing	3.0
MEA-135	Character Animation	3.0
MEA-218	3D Game Art Creation	3.0
MEA-221	Extended Reality Design and Development	3.0

Certificate of Specialization: News Reporting and Anchoring

Certificate Student Learning Outcome:
Students will be able to report a news story in new media journalism.

Program Requirements:

Units Required: 12

		Units
MEA-110	Writing for Multimedia Journalism	3.0
MEA-125	Introduction to Multimedia Journalism	3.0
MEA-225	News Media Production I	3.0
MEA-210	Intermediate News Reporting/Writing	3.0
	OR	
MEA-230	News Media Production II	3.0

Certificate of Specialization: Screenwriting

Certificate Student Learning Outcome:
Students will be able to write a complete screenplay required for employment in the filmmaking industry.

Program Requirements:

Units Required: 9

		Units:
MEA-101	Television and Film Media Aesthetics	3.0
MEA-108	Scriptwriting Fundamentals	3.0
MEA-208	Advanced Screenwriting	3.0

MEA 100 MASS MEDIA AND SOCIETY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID JOUR 100

Surveys mass communication by examining the interrelationships between media and society, and by defining the history, structures, trends and technologies of mass media content, including print, radio, television, film, digital media, social media and the internet.

MEA 101 FILM AND TV AESTHETICS AND THEORY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys and examines the fundamental components of cinematic art, as found in television, film and digital media. Students analyze how various dramatic, narrative, and technological conventions are used to tell stories and create meaning.

MEA 102 HISTORY OF ANIMATION

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys and analyzes animated motion picture and television masterpieces from their inception to the present, including the ideas and values of the examined animated films as reflected and emphasized through artistic techniques.

MEA 106 INTRODUCTION TO ANIMATION

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
Recommended Preparation: ART-125A

Introduces the principles of animation, laws of motion, timing and motion analysis, within the production of short, animated, narrative videos using traditional and alternate drawing methods.

MEA 107 WRITING THE SHORT SCRIPT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces the principles of script writing for short films, television, and social/short form/vertical video. Students explore storytelling methodologies across various formats, including short films, half-hour and hour-long episodic and serialized TV and anthologies, animation, and micro-script/thread writing while focusing on developing original concepts and crafting professional scripts tailored to specific industry standards.

MEA 108 SCRIPTWRITING FUNDAMENTALS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Presents writing for film, television, and electronic media and surveys standard industry script formats for commercials, broadcast, film and television narratives.

MEA 109 STORY DEVELOPMENT AND STORYBOARDING

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: ART-125A

Introduces story development and storyboarding for animation. Emphasis is on visual storytelling, as well as the understanding of traditional story structure for animated film, television and internet.

MEA 110 WRITING FOR MULTIMEDIA JOURNALISM

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID JOUR 110

Introduces language and style as it applies to print, broadcast and new media journalism.

MEA 111 EXPLORING VIDEO FIELD PRODUCTION

Units: 2.00 (1.50 units lecture, 0.50 units lab)
CSU 27.00 hours lecture, 27.00 hours lab

Introduces the theory, terminology, operation and aesthetics of field video production, including direction, camera operation, portable lighting, audio, and video recording equipment for on-location multimedia production.

MEA 112 EXPLORING VIDEO STUDIO PRODUCTION

Units: 2.00 (1.50 units lecture, 0.50 units lab)
CSU 27.00 hours lecture, 27.00 hours lab

Presents the theory and technology of collaborative multi-camera studio TV production and explores the production process from script to screen, including lighting, camera, switcher, chroma key, microphones, audio mixer, and media capture..

MEA 116 FILM/VIDEO EDITING

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Presents non-linear editing for film, video, and new media, including basic editing techniques and aesthetic conventions. Students assemble audio/visual media content, employing professional editing software, hardware, and postproduction workflows.

MEA 118 INTRODUCTION - 2D DIGITAL ANIMATION

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Introduces 2D computer animation. Drawing tools, bitmaps, symbols, layers, and animation will be utilized to create a short 2D animated movie, featuring an animated character.

MEA 120 INTRODUCTION TO CINEMATOGRAPHY

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Examines the well-disciplined creative and technical control of high definition, ultra high definition and film cameras, including the demonstration and application of cinematic lighting techniques for both studio and location production.

MEA 125 INTRODUCTION TO MULTIMEDIA JOURNALISM

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Presents beginning instruction of multimedia journalism including newsgathering, photo journalism, podcasting, social media, animation and text, broadcast media and web.

MEA 131 3D MODELING AND SURFACING

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Introduces 3D computer design, including modeling, surfacing, textures, lighting and rendering through the use of Maya software. Students learn the fundamental skills and processes of polygon modeling, as well as material creation. Students also learn how to design environments and explore camera and lighting setups.

MEA 135 CHARACTER ANIMATION

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: MEA-118

Explores 3D computer animation with an emphasis on character animation. Through the use of Maya software students create characters showing action and emotions.

MEA 180 FILMMAKING I

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: MEA-120

Introduces the fundamentals of visual storytelling through hands-on experience with digital filmmaking tools. Students will explore the essentials of directing cast and crew, managing each phase of production, and applying narrative structure, production planning, and set protocols in a collaborative environment.

MEA 190 STOP-MOTION ANIMATION FUNDAMENTALS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Presents principles and methods of stop-motion animation. Provides an understanding of the technical and aesthetic processes necessary including the building of miniature characters and sets and operating animation software and camera equipment.

MEA 208 ADVANCED SCREENWRITING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: MEA-108

Explores advanced techniques to complete a professional, polished feature film screenplay. Course will examine character development, dialogue and exploring genres and will also explore pitching, marketing, business and legal aspects of screenwriting.

MEA 210 INTERMEDIATE NEWS REPORTING/WRITING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID JOUR 210

Recommend Preparation: MEA-110

Focuses on coverage of public affairs beats, including local and regional government, police, courts, and school and city boards. Emphasizes both on- and off-campus reporting and writing/news presentation for a variety of news purposes and through multiple platforms.

MEA 218 3D GAME ART CREATION

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: MEA-131

Designing and creating 3D artwork within a real-time, virtual, 3D game environment using 3D software and game engine, including modeling, surface texturing (normal mapping), and interactive object animation.

MEA 221 3D EXTENDED REALITY DESIGN & DEVELOPMENT (AR/VR)

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: MEA-131 and MEA-218

Provides a hands-on introduction to designing and developing professional-grade VR (Virtual Reality) and AR (Augmented Reality) applications. Students will engage in user-centered design and iterative workflows to create inclusive, high-impact projects. Students will create a portfolio of XR (extended reality) solutions addressing critical needs in training, medicine, and gaming.

MEA 225 NEWS MEDIA PRODUCTION I

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

C-ID JOUR 130

Recommended Preparation: MEA-125

Presents instruction and practicum in multimedia creation and television production, including weekly newsgathering, on-air reporting, studio operation, and written content for online publication, “Canyons News”..

MEA 230 NEWS MEDIA PRODUCTION II

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: MEA-225

Emphasizes practice in supervising and managing student produced online content for canyonsnews.com including news, entertainment, features and sports. This is a capstone course where students will also produce industry standard online portfolio.

MEA 231 DIGITAL SCULPTURE

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: MEA-131

Presents digital sculpting software to create 3D computer images or characters from concept to digital model, as well as a professional production process to create digital 3D creatures for films and games.



Continued on the next page.

MEA 232 CHARACTER AND PROP DESIGN FOR ANIMATION

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: ART-225A

Introduces traditional and digital tools to create animated models, emphasizing emotional content and clarity of design, as well as technical conventions.

MEA 233 ADVANCED 2D DIGITAL ANIMATION

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: MEA-118.
Recommended Preparation: MEA-106

Utilizes 2D digital software in the creation of character driven narratives. Studies design, composition, perspective, atmospheric and psychological lighting, and camera placement as applied to the construction of scenes, the congruence of sequences, and the designing of environments for digital 2D animation.

MEA 235 VISUAL EFFECTS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: GMD-173

Presents advanced practice and theory of using computer generated special effects combined with live action, video, and film. Addresses compositing special effects in a variety of different styles and looks as well as the use of green-screen (or matting), rotoscoping, and digital set extensions.

MEA 261 ADVANCED ANIMATION

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: MEA-106

Examines character animation and its techniques in depth. Students will complete advanced animation exercises utilizing non-digital methods of animating characters, as well as design and produce a short animated film..

MEA 265 STUDIO PRODUCTION

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: MEA-106 or MEA-118 or MEA-131 or MEA-135

Presents designing, planning, and creating an animated film in a team-based environment.

MEA 280 FILMMAKING II: DIRECTING AND PRODUCING

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: MEA-180 or MEA-190

Examines advanced filmmaking techniques to create film projects that reflect the personal style of the writer-director, including management skills in directing and producing.

MEA 295 PROFESSIONAL PRACTICES/ PORTFOLIO

Units: 2.00 (1.50 units lecture, 0.50 units lab)
CSU 27.00 hours lecture, 27.00 hours lab

Prepares Media Entertainment Arts majors with essential career-building skills for entering the media industry, transferring to four-year film and media arts programs, and applying to film and media festivals. Emphasis will be placed on workforce preparation. Students will develop and evaluate professional portfolios, create industry-standard résumés, cover letters, and artist statements, and explore effective networking strategies, including online marketing and social media presence. This capstone course is designed for Media Entertainment Arts majors who have completed at least one production course in MEA.

MEDICAL LABORATORY TECHNICIAN

Associate in Science Degree: Medical Laboratory Technician

The Medical Laboratory Technician Program is accredited by the National Accrediting Agency for Clinical Laboratory Science. The Medical Laboratory Technology Associate Degree program prepares students for employment in clinical laboratories, industry and biotechnology. The MLT Program curriculum, an integration of classroom lectures, student laboratories and clinical training, fosters development of analytical and problem-solving skills required in this profession.

PREREQUISITES – completed with minimum 2.50 GPA

1. Anatomy (4 semester or 6 quarter units)
2. Physiology (4 semester or 6 quarter units)
3. Microbiology (4 semester or 6 quarter units)
4. Preparatory General Chemistry (4 semester or 6 quarter units)

Completing program prerequisites does not assure admission into the program.

RECOMMENDED PREPARATION

ENGL-C1000 or ENGL-C1000H. It is highly recommended that students be proficient in both the written and oral English language prior to enrolling in the program or, at the very least, prior to enrolling in the clinical practicum courses and training at the clinical laboratory sites.

APPLICATION PROCEDURE:

Follow these steps in this order. Please see the website at **www.canyons.edu/mlt** for links to help with these steps.

1. Submit College of the Canyons application and obtain a student identification number.
2. Submit the following documents to Admissions and Records:
   - Official sealed transcripts from **all** colleges attended, except COC (must include all coursework regardless if MLT prerequisite or not)
   - For transcripts from other countries, an official sealed foreign transcript evaluation from a ***NACES-approved agency***
   - Official College Board AP English score
   - A copy of high school transcript, copy of diploma, ***OR*** copy of GED certificate
   - Students with transcripts evaluated by ACCRAO should contact the Health Professions and Public Safety office for assistance.
3. Submit MLT Program Application to the Health Professions and Public Safety office. Evidence of completion of Phlebotomy must be attached to the application. A valid COC email address is required.
4. The MLT application and official transcripts will be evaluated to determine if applicant meets current MLT Program selection criteria. Applicants will not be eligible for selection if admission requirements are not met.
5. Selected applicants must attend and complete the mandatory program orientation or they will be dropped from the program.

Mandatory Requirements of all Medical Lab Technician (MLT) Students:

Once admitted to the MLT Program, students are required to complete lab experiences at affiliated hospitals and clinical labs. Students must have their own means of transportation to these off-campus sites. These facilities have requirements above and beyond the requirements of being a student on a community college campus. All students entering the program must complete the following in order to participate in program activities:

- Current Physical
- Current TB clearance – Two-Step Process or Chest Xray
- Color Blindness Screening – for accommodation purposes only
- Immunizations and Titers
- Drug Screening
- Current CPR card
- Current Fire Life Safety Card
- Malpractice Insurance
- Background Check and OIG/GSA Clearance – any student with questions about background checks should contact the Health Professions and Public Safety office for a confidential opportunity to discuss this based on healthcare settings requirements about background clearances.
- Hepatitis B Video
- ID Badge

Additional details and information about these requirements will be provided to students upon acceptance to the program. Students who have questions prior to applying to the program may contact the Health Professions and Public Safety office for assistance.

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment as a medical laboratory technician.

Program Requirements:

Units Required: 58.50

		Units
MLT-110	Clinical Hematology Lecture	3.0
MLT-110L	Clinical Hematology Lab	1.0
MLT-112	Clinical Urinalysis Lecture	1.0
MLT-112L	Clinical Urinalysis Lab	0.5
MLT-114	Clinical Coagulation Lecture	1.0
MLT-114L	Clinical Coagulation Lab	0.50
MLT-116	Clinical Microbiology Lecture	3.0
MLT-116L	Clinical Microbiology Lab	1.0
MLT-117	Clinical Immunology Lecture	1.5
MLT-117L	Clinical Immunology Lab	0.5
MLT-119	Clinical Immunohematology Lecture	1.5
MLT-119L	Clinical Immunohematology Lab	0.5
MLT-120	Clinical Chemistry I Lecture	3.0
MLT-120L	Clinical Chemistry I Lab	1.0
MLT-124	Clinical Chemistry II Lecture	3.0
MLT-124L	Clinical Chemistry II Lab	1.0
MLT-128	Clinical Hematology/Urinalysis/ Coagulation Practicum	4.0
MLT-129	Clinical Microbiology Practicum	4.0
MLT-130	Clinical Immunology/Immunohematology Practicum	3.0
MLT-131	Clinical Chemistry Practicum	4.0
	Required electives:	
BIOSCI-221	Introduction to Microbiology	5.0
CHEM-151	Preparatory General Chemistry	4.0
	OR	
CHEM-151H	Preparatory General Chemistry - Honors	4.0
MLT-050	Phlebotomy	3.5
	Plus eight units from the following:	
BIOSCI-201	Introduction to Human Anatomy	4.0

Continued on the next page.

AND

BIOSCI-202 Introduction to Human Physiology 4.0

OR

BIOSCI-204 Human Anatomy and Physiology I 4.0

AND

BIOSCI-205 Human Anatomy and Physiology II 4.0

MLT 050 PHLEBOTOMY

Units: 3.50 (2.50 units lecture, 1.00 unit lab)
45.00 hours lecture, 54.00 hours lab

Prerequisite: High School Diploma or GED. Enrollee must have a current physical exam (within the last year), immunizations, titers, 2-step TB clearance, pass a background check and 10-panel drug screen, a current CPR card, a current Fire Life Safety card, malpractice insurance, and complete other requirements by the clinical facilities. Students must successfully complete or pass 2 (two) Safety Checkpoint written and skills exams before placement at the clinical facility. In order to register, a packet must be obtained by emailing MLT@canyons.edu with your full name and COC student ID number requesting the phlebotomy information packet. The packet must be completed and submitted prior to the first class meeting. Packets are time sensitive for each course offered.

Prepares personnel to collect blood samples for medical laboratory analysis. Technique, equipment, and proper patient preparation will be stressed. Successful completion of the course will result in a Phlebotomy Technician Proficiency Certificate, which makes students eligible for State certification. Includes learning experiences both in on-campus skills laboratories and at affiliated clinical sites. Students must have their own means of transportation to these off-campus sites.

MLT 110 CLINICAL HEMATOLOGY LECTURE

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: Official admission to the MLT Program.

Co-requisite: MLT-110L

Presents hematology from the unclassified stem cell in the bone marrow to both normal and abnormal peripheral blood cells, including the procedures used to identify these cells.

MLT 110L CLINICAL HEMATOLOGY LAB

Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Prerequisite: Official admission to the MLT Program.

Co-requisite: MLT-110

Introduces the instruments and techniques used for hematology testing, including calibration and interpretation of results. Emphasizes the morphology and identification of common human blood cells.

MLT 112 CLINICAL URINALYSIS LECTURE

Units: 1.00 (1.00 unit lecture)
CSU 18.00 hours lecture

Prerequisite: Official admission to the MLT Program.

Co-requisite: MLT-112L

Presents the properties and constituents of urine, emphasizing the interpretation of qualitative and quantitative clinical analysis of urine, and a comparison of lab results to kidney function.

MLT 112L CLINICAL URINALYSIS LAB

Units: 0.50 (0.50 units lab)
CSU 27.00 hours lab

Prerequisite: Official admission to the MLT Program.

Co-requisite: MLT-112

Presents urine testing, interpretation, and correlation. Emphasizes qualitative and quantitative clinical examination of urine specimens, including the principle of each reaction, quality control, interpretation, and correlation to other laboratory findings.

MLT 114 CLINICAL COAGULATION LECTURE

Units: 1.00 (1.00 unit lecture)
CSU 18.00 hours lecture

Prerequisite: Official admission to the MLT Program.

Co-requisite: MLT-114L

Presents hemostasis, properties and factors involved in the clotting system, including various coagulation disorders and their related laboratory findings.

MLT 114L CLINICAL COAGULATION LAB

Units: 0.50 (0.50 units lab)
CSU 27.00 hours lab

Prerequisite: Official admission to the MLT Program.

Co-requisite: MLT-114

Introduces the techniques and safety procedures used in the clinical coagulation laboratory, emphasizing platelet function tests and intrinsic and extrinsic clotting pathway testing.

MLT 116 CLINICAL MICROBIOLOGY LECTURE

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: Official admission to the MLT Program.

Co-requisite: MLT-116L

Introduces identification methods, theories, and techniques used in basic bacteriology, parasitology, and mycology emphasizing routine organism identification.

MLT 116L CLINICAL MICROBIOLOGY LAB

Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Prerequisite: Official admission to the MLT Program.

Co-requisite: MLT-116

Introduces the various techniques and safety procedures in clinical microbiology. Emphasizes the morphology and identification of common pathogenic organisms.

MLT 117 CLINICAL IMMUNOLOGY LECTURE
Units: 1.50 (1.50 units lecture)
CSU 27.00 hours lecture

Prerequisite: Official admission to the MLT Program.

Co-requisite: MLT-117L

Introduces the principles of antigen and antibody reactions included in serological procedures.

MLT 117L CLINICAL IMMUNOLOGY LAB
Units: 0.50 (0.50 units lab)
CSU 27.00 hours lab

Prerequisite: Official admission to the MLT Program.

Co-requisite: MLT-117

Introduces serological procedures and techniques to measure analytes quantitatively and qualitatively.

MLT 119 CLINICAL IMMUNOHEMATOLOGY LECTURE
Units: 1.50 (1.50 units lecture)
CSU 27.00 hours lecture

Prerequisite: Official admission to the MLT Program.

Co-requisite: MLT-119L

Introduces the principles of blood grouping and typing, compatibility testing, and immunohematological procedures.

MLT 119L CLINICAL IMMUNOHEMATOLOGY LAB
Units: 0.50 (0.50 units lab)
CSU 27.00 hours lab

Prerequisite: Official admission to the MLT Program.

Co-requisite: MLT-119

Introduces immunohematology procedures and techniques to measure analytes qualitatively and quantitatively.

MLT 120 CLINICAL CHEMISTRY I LECTURE
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: Official admission to the MLT Program.

Co-requisite: MLT-120L

Presents the theoretical and practical concepts associated with testing procedures used in the clinical chemistry laboratory, including the fundamentals of general laboratory principles and specific basic instrumentation and methodologies.

MLT 120L CLINICAL CHEMISTRY I LAB
Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Prerequisite: Official admission to the MLT Program.

Co-requisite: MLT-120

Introduces the various types of instrumentation used in the clinical chemistry laboratory, including testing parameters, calibration, quality control, preventative maintenance, and some manual procedures.

MLT 124 CLINICAL CHEMISTRY II LECTURE
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: MLT-120 and MLT-120L

Co-requisite: MLT-124L

Second in two-part clinical chemistry series, emphasizing the endocrine, liver, kidney, and pancreatic functions. Also includes tumor markers, drug screening, and body fluids.

MLT 124L CLINICAL CHEMISTRY II LAB
Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Prerequisite: MLT-120 and MLT 120L

Co-requisite: MLT-124

Presents more advanced instrumentation used in the clinical chemistry laboratory to test different body systems as well as drug screening, tumor markers, and body fluids. Includes their principles, testing parameters, calibration, quality control, and preventive maintenance.

MLT 128 CLINICAL HEMATOLOGY/ URINALYSIS/ COAGULATION PRACTICUM
Units: 4.00 (4.00 units lab)
CSU 216.00 hours lab

Prerequisite: MLT-110 and MLT-110L, MLT-112 and MLT-112L, MLT-114 and MLT-114L

Provides entry-level clinical laboratory experience in the clinical laboratory hematology, urinalysis, and coagulation departments, emphasizing technique, accuracy, and precision.

MLT 129 CLINICAL MICROBIOLOGY PRACTICUM
Units: 4.00 (4.00 units lab)
CSU 216.00 hours lab

Prerequisite: MLT-116 and MLT-116L

Provides entry-level clinical laboratory experience in the clinical laboratory microbiology department, emphasizing technique, accuracy, and precision.

MLT 130 CLINICAL IMMUNOLOGY/ IMMUNOHEMATOLOGY PRACTICUM
Units: 3.00 (3.00 units lab)
CSU 162.00 hours lab

Prerequisite: MLT-118 and MLT-118L

Provides entry-level clinical laboratory experience in the serology and blood banking departments, emphasizing technique, accuracy, and precision.

MLT 131 CLINICAL CHEMISTRY PRACTICUM
Units: 4.00 (4.00 units lab)
CSU 216.00 hours lab

Prerequisite: MLT-124 and MLT-124L

Provides entry-level clinical laboratory experience in the general and special chemistry departments, emphasizing technique, accuracy, and precision.

MODERN LANGUAGES

The Department of Modern Languages offers courses in Chinese, French, German, Italian and Spanish. Foreign-language studies provide the student with a foundation in written communication skills of the language. From a vocational standpoint, the program provides skills in translation and interpretation, business, commerce, and foreign-language based research. Foreign-language studies include numerous opportunities for students to enhance language skills and intercultural awareness through activities such as conversational groups, cultural excursions, poetry reading, and foreign film festivals.

CHINESE

Certificate of Specialization: Basic Proficiency in Chinese

Prepares students for communicating in Chinese through the four skills: reading, writing, listening, and speaking at the basic (high-novice) level per the American Council of the Teaching of Foreign Languages (ACTLF) guidelines. This certificate will also provide fundamental cultural knowledge following the 3P's (Products, Practices and Perspectives) cultural framework.

Certificate Learning Outcome:

- Communicate through reading, writing, speaking and listening in Chinese at the basic (high-novice) level as indicated by the ACTFL guidelines.
- Demonstrate fundamental knowledge of the culture of the Chinese language.

Program Requirements:

Units Required: 10

		Units
CHNESE-101	Elementary Chinese I - Mandarin	5.0
CHNESE-102	Elementary Chinese II - Mandarin	5.0

CHNESE 101 ELEMENTARY CHINESE I - MANDARIN

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture

Introduces Chinese language (Mandarin) with emphasis on developing essential skills in communication. Practice in speaking and understanding as well as reading and writing Chinese characters. Introduces the geography, customs and culture of China. Corresponds to the first two years of high school Chinese. Not appropriate for native or heritage speakers.

CHNESE 102 ELEMENTARY CHINESE II - MANDARIN

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture

Prerequisite: CHNESE-101

Develops linguistic and cultural proficiency at the novice high level with emphasis on communication within the context of the Chinese culture. Practices speaking and understanding as well as reading and writing Chinese characters.

FRENCH

Associate in Arts Degree: French

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in communicating in expressive and receptive forms in French. Compare and contrast cultures and histories of the French speaking world.

Program Requirements:

Units Required: 23

		Units
FRNCH-101	Elementary French I	5.0
FRNCH-102	Elementary French II	5.0
FRNCH-150	Beginning Conversational French	3.0
FRNCH-201	Intermediate French I	5.0
FRNCH-202	Intermediate French II	5.0

Certificate of Specialization: Basic Proficiency in French

Prepares students for communicating in French through the four skills: reading, writing, listening, and speaking at the basic (high-novice) level per the American Council of the Teaching of Foreign Languages (ACTLF) guidelines. This certificate will also provide fundamental cultural knowledge following the 3P's (Products, Practices and Perspectives) cultural framework.

Certificate Student Learning Outcome:

Students will be able to:

- Communicate through reading, writing, speaking and listening in French at the basic (high-novice) level as indicated by the ACTFL guidelines.
- Demonstrate fundamental knowledge of the culture of the French language.

Program Requirements:

Units Required: 13

		Units
FRNCH-101	Elementary French I	5.0
FRNCH-102	Elementary French II	5.0
FRNCH-150	Beginning Conversational French	3.0

Certificate of Specialization: Intermediate Proficiency in French

Prepares students for communicating in French through the four skills: reading, writing, listening, and speaking at the intermediate-high level per the American Council of

the Teaching of Foreign Languages (ACTLF) guidelines. This certificate will also provide fundamental cultural knowledge following the 3P's (Products, Practices and Perspectives) cultural framework.

Certificate Student Learning Outcome:

Students will be able to:

- Communicate through reading, writing, speaking and listening in French at the intermediate-high level as indicated by the ACTFL guidelines.
- Identify and describe multiple cultural components of the French language.

Program Requirements:

Units Required: 13

		Units
FRNCH-150	Beginning Conversational French	3.0
FRNCH-201	Intermediate French I	5.0
FRNCH-202	Intermediate French II	5.0

FRNCH 101 ELEMENTARY FRENCH I

Units: 5.00 (5.00 units lecture)

UC:CSU 90.00 hours lecture

Develops language skills in listening, reading, speaking and writing at the novice mid level within a cultural context with a strong emphasis on communication. Corresponds to the first two years of high school French. Not appropriate for native speakers.

FRNCH 102 ELEMENTARY FRENCH II

Units: 5.00 (5.00 units lecture)

UC:CSU 90.00 hours lecture

Prerequisite: FRNCH-101

Continues the study of the fundamentals of the French language, emphasizing correct pronunciation and mastery of a practical vocabulary, oral and written expression, and the study of the cultures of the contemporary French-speaking world. Not appropriate for native speakers. Corresponds to the third year of high school French.

FRNCH 150 BEGINNING CONVERSATIONAL FRENCH

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Presents the essentials of French for conversational and practical usage. Emphasis on understanding and speaking French in everyday situations, including vocabulary and phrases useful for traveling, studying and working in French-speaking countries.

FRNCH 201 INTERMEDIATE FRENCH I

Units: 5.00 (5.00 units lecture)

UC:CSU 90.00 hours lecture

Prerequisite: FRNCH-102

Reviews French grammar, emphasizing practical and idiomatic usage as well as analyzing essays, poems and short stories in French by famous authors from the French-speaking world. Corresponds to the fourth year of high school French.

FRNCH 202 INTERMEDIATE FRENCH II

Units: 5.00 (5.00 units lecture)

UC:CSU 90.00 hours lecture

Prerequisite: FRNCH-201

Presents more advanced grammatical structures and syntax, emphasizing practical and idiomatic usage, as well as analyzing essays, poems, short stories and novels in French by famous authors from the French-speaking world.

GERMAN

Certificate of Specialization: Basic Proficiency in German

Prepares students for communicating in German through the four skills: reading, writing, listening, and speaking at the basic (high-novice) level per the American Council of the Teaching of Foreign Languages (ACTLF) guidelines. This certificate will also provide fundamental cultural knowledge following the 3P's (Products, Practices and Perspectives) cultural framework.

Certificate Student Learning Outcome:

Students will be able to:

- Communicate through reading, writing, speaking and listening in German at the basic (high-novice) level as indicated by the ACTFL guidelines.
- Demonstrate fundamental knowledge of the culture of the German language.

Program Requirements:

Units Required: 10

		Units
GERMAN-101	Elementary German I	5.0
GERMAN-102	Elementary German II	5.0

GERMAN 101 ELEMENTARY GERMAN I

Units: 5.00 (5.00 units lecture)

UC:CSU 90.00 hours lecture

Develops language skills in listening, reading, speaking and writing within a cultural context with a strong emphasis on communication. Emphasizes acquisition of vocabulary, structures, and grammatical patterns necessary for comprehension and production of spoken and written German at the beginning level. Taught in German. Corresponds to the first two years of high school German. Not appropriate for native or heritage speakers.

GERMAN 102 ELEMENTARY GERMAN II

Units: 5.00 (5.00 units lecture)

UC:CSU 90.00 hours lecture

Prerequisite: GERMAN-101

Develops linguistic and cultural proficiency at the novice high level. Taught in German. Corresponds to the third year of high school German. Not appropriate for native or heritage speakers.

Continued on the next page.

ITALIAN

Certificate of Specialization: Basic Proficiency in Italian

Prepares students for communicating in Italian through the four skills: reading, writing, listening, and speaking at the basic (high-novice) level per the American Council of the Teaching of Foreign Languages (ACTLF) guidelines. This certificate will also provide fundamental cultural knowledge following the 3P's (Products, Practices and Perspectives) cultural framework.

Certificate Student Learning Outcome:

Students will be able to:

- Communicate through reading, writing, speaking and listening in Italian at the basic (high-novice) level as indicated by the ACTFL guidelines.
- Demonstrate fundamental knowledge of the culture of the Italian language.

Program Requirements:

Units Required: 13

		Units
ITAL-101	Elementary Italian I	5.0
ITAL-102	Elementary Italian II	5.0
ITAL-150	Conversational Italian	3.0

ITAL 101 ELEMENTARY ITALIAN I

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture

Develops language skills in listening, reading, speaking and writing within a cultural context with a strong emphasis on communication. Emphasizes acquisition of vocabulary, structures, and grammatical patterns necessary for comprehension and production of spoken and written Italian at the beginning level. This course is taught in Italian. This course corresponds to the first two years of high school Italian. Not appropriate for native or heritage speakers.

ITAL 102 ELEMENTARY ITALIAN II

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture

Prerequisite: ITAL-101

Develops linguistic and cultural proficiency at the novice high level. Taught in Italian. Corresponds to the third year of high school Italian. Not appropriate for native or heritage speakers.

ITAL 150 CONVERSATIONAL ITALIAN

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Presents the essentials of Italian for conversational and practical usage. Intensive practice in the expression and comprehension of spoken Italian.

LINGUISTICS

LING 101 INTRODUCTION TO LINGUISTICS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces the theory and methods of linguistics, with an emphasis on the structure, function, and history of language. Includes a study of language acquisition, language change, and the sociology and psychology of language.

SPANISH

Associate in Arts for Transfer Degree: Spanish

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC).
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Spanish. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to:

— Demonstrate proficiency in communicating in expressive and receptive forms in Spanish.
— Compare and contrast cultures and histories of the Spanish speaking world.

Program Requirements:

Units Required: 23

		Units
SPAN-101	Elementary Spanish I	5.0

OR

SPAN-101H	Elementary Spanish I – Honors	5.0
SPAN-102	Elementary Spanish II	5.0

Plus ten units from the following:

SPAN-201	Intermediate Spanish I	5.0

OR

SPAN-211	Spanish for Heritage Speakers I	5.0

AND

SPAN-202	Intermediate Spanish II	5.0

OR

SPAN-212	Spanish for Heritage Speakers II	5.0

Plus three units from the following:

SPAN-150	Beginning Conversational Spanish	3.0
SPAN-240	Introduction to Latin American Literature	3.0

If students need to substitute units due to testing out of required courses, they may choose from the courses listed below if not already taken above:

FRNCH-101	Elementary French I	5.0
FRNCH-102	Elementary French II	5.0
FRNCH-150	Beginning Conversational French	3.0
ITAL-101	Elementary Italian I	5.0
ITAL-150	Conversational Italian	3.0
SPAN-150	Beginning Conversational Spanish	3.0
SPAN-240	Introduction to Latin American Literature	3.0

Associate in Arts Degree: Spanish

Degree Student Learning Outcome:

— Demonstrate proficiency in communicating in expressive and receptive forms in Spanish.

— Compare and contrast cultures and histories of the Spanish speaking world.

Program Requirements:

Units Required: 21

		Units
SPAN-150	Beginning Conversational Spanish	3.0
SPAN-201	Intermediate Spanish I	5.0
SPAN-202	Intermediate Spanish II	5.0
SPAN-240	Introduction to Latin American Literature	3.0

Plus five units from the following:

SPAN-102	Elementary Spanish II	5.0
SPAN-212	Spanish for Heritage Speakers II	5.0

Certificate of Specialization: Basic Proficiency in Spanish

Prepares students for communicating in Spanish through the four skills: reading, writing, listening, and speaking at the basic (high-novice) level per the American Council of the Teaching of Foreign Languages (ACTLF) guidelines. This certificate will also provide fundamental cultural knowledge following the 3P's (Products, Practices and Perspectives) cultural framework.

Certificate Student Learning Outcome:

Students will be able to:

- Communicate through reading, writing, speaking and listening in Spanish at the basic (high-novice) level as indicated by the ACTFL guidelines.
- Demonstrate fundamental knowledge of the culture of the Spanish language.

Program Requirements:

Units Required: 13

		Units
SPAN-101	Elementary Spanish I	5.0

OR

SPAN-101H	Elementary Spanish I – Honors	5.0
SPAN-102	Elementary Spanish II	5.0
SPAN-150	Beginning Conversational Spanish	3.0

Certificate of Specialization: Heritage Speaker Proficiency in Spanish

Prepares students for communicating in Spanish through the four skills: reading, writing, listening, and speaking at the advanced-high level per the American Council of the Teaching of Foreign Languages (ACTLF) guidelines. This certificate will also provide fundamental cultural knowledge following the 3P's (Products, Practices and Perspectives) cultural framework.

Certificate Student Learning Outcome:

Students will be able to:

- Communicate through reading, writing, speaking and listening in Spanish at the advanced-high level as indicated by the ACTFL guidelines.
- Demonstrate in-depth knowledge of the culture of the Spanish language.

Program Requirements:

Units Required: 13

		Units
SPAN-211	Spanish for Heritage Speakers I	5.0
SPAN-212	Spanish for Heritage Speakers II	5.0
SPAN-240	Introduction to Latin American Literature	3.0

Certificate of Specialization: Intermediate Proficiency in Spanish

Prepares students for communicating in Spanish through the four skills: reading, writing, listening, and speaking at the intermediate-high level per the American Council of

the Teaching of Foreign Languages (ACTLF) guidelines. This certificate will also provide fundamental cultural knowledge following the 3P's (Products, Practices and Perspectives) cultural framework.

Certificate Student Learning Outcome:

Students will be able to:

- Communicate through reading, writing, speaking and listening in Spanish at the intermediate-high level as indicated by the ACTFL guidelines..
- Identify and describe multiple cultural components of the Spanish language.

Program Requirements:

Units Required: 13

		Units
SPAN-201	Intermediate Spanish I	5.0
SPAN-202	Intermediate Spanish II	5.0
SPAN-240	Introduction to Latin American Literature	3.0

SPAN 101 ELEMENTARY SPANISH I

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture
C-ID SPAN 100

Develops linguistic and cultural proficiency at the novice mid level. Taught in Spanish. Corresponds to the first two years of high school Spanish. Not appropriate for native or heritage speakers. UC credit limitation: SPAN-101, 101H and 211 combined, maximum credit one course

SPAN 101H ELEMENTARY SPANISH I – HONORS

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture
C-ID SPAN 100

Develops linguistic and cultural proficiency at the novice mid level. Taught in Spanish within a cultural context. Corresponds to the first two years of high school Spanish. Not appropriate for native or heritage speakers. UC credit limitation: SPAN-101, 101H and 211 combined, maximum credit one course

SPAN 102 ELEMENTARY SPANISH II

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture
C-ID SPAN 110

Prerequisite: SPAN-101 or SPAN-101H

Develops linguistic and cultural proficiency at the novice high level. Corresponds to the third year of high school Spanish. Not appropriate for native or heritage speakers. UC credit limitation: SPAN-102 and 212 combined, maximum credit one course.

SPAN 150 BEGINNING CONVERSATIONAL SPANISH

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Essentials of Spanish for conversational and practical usage. Intensive practice in the expression and comprehension of spoken Spanish. Emphasizes the practical application of the language, not grammar acquisition or review.

SPAN 201 INTERMEDIATE SPANISH I

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture
C-ID SPAN 200

Prerequisite: SPAN-102

Presents Spanish grammar at the intermediate level, emphasizing practical and idiomatic usage as well as analyzing essays, poems and short stories in Spanish by famous authors from the Spanish-speaking world.

SPAN 202 INTERMEDIATE SPANISH II

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture
C-ID SPAN 210

Prerequisite: SPAN-201

Presents more advanced grammatical structures and syntax at the intermediate high level, emphasizing linguistic and cultural proficiency using cultural and literary materials.

SPAN 211 SPANISH FOR HERITAGE SPEAKERS I

Units: 5.00 (5.00 units lecture)

UC:CSU 90.00 hours lecture

C-ID SPAN-220

Prerequisite: Placement based on the foreign language assessment process equivalent to heritage learner level

Focuses on developing and strengthening reading and writing skills while exploring Spanish speaking culture. Emphasis is placed on spelling, punctuation, lexical variations, idioms and cultural components of the Spanish language. This class is designed for students who communicate in Spanish, heritage speakers, and/or have near-native oral proficiency. UC credit limitation: SPAN-101, 101H and 211 combined,
maximum credit one course.

SPAN 212 SPANISH FOR HERITAGE SPEAKERS II

Units: 5.00 (5.00 units lecture)
UC:CSU 90.00 hours lecture
C-ID SPAN 230

Prerequisite: SPAN-211 or placement based on the foreign language assessment process equivalent to heritage learner level

Focuses on reading and writing with special attention to formal aspects of the language while exploring the Spanish speaking culture. Designed for students who communicate in Spanish and/or have near-native oral proficiency. UC credit limitation: SPAN-102 and 212 combined, maximum credit one course.

SPAN 240 INTRODUCTION TO LATIN AMERICAN LITERATURE

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys literature and culture of Latin America from 1492 to the present, including basic literary concepts and analysis of the four genres, narrative, essay, poetry, and drama within literary movements in Latin America. Lectures and discussions are in Spanish.

MUSIC

Associate in Arts for Transfer Degree: Music

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Music. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:
Students will be able to apply theoretical music concepts and performance-based skills to produce and to create original music.

Program Requirements:

Units required: 25

		Units
MUSIC-101	Musicianship Skills I	1.0
MUSIC-102	Musicianship Skills II	1.0
MUSIC-103	Musicianship Skills III	1.0
MUSIC-120A	Tonal Harmony I	3.0
MUSIC-120B	Tonal Harmony II	3.0
MUSIC-220A	Chromatic Harmony I	3.0

Plus five units of Applied Music (courses may be repeated):

MUSIC-189	Individualized Music Lessons	1.25
MUSIC-190	Applied Performance	1.25

Plus five units of Major Ensemble and/or Specialized Ensemble form the following (courses may be repeated):

MUSIC-153	Studio Jazz Ensemble	1.25
MUSIC-162	Guitar Ensemble	1.25
MUSIC-165	Symphony of the Canyons	1.25
MUSIC-173	Jazz Vocal Ensemble	1.25
MUSIC-175	Festival Choir: Voices of the Canyons	1.25
MUSIC-176	Chamber Singers	1.25
MUSIC-177	Women's Choir (Les Chanteuses)	1.25
MUSIC-186	Music Ensemble	1.25
MUSIC-187	Commercial Music Ensemble	1.25
MUSIC-188	World Percussion Ensemble	1.25

Plus three units from the following:

MUSIC-105	Music Appreciation	3.0
MUSIC-112	Music History	3.0
MUSIC-220B	Chromatic Harmony II	3.0

Associate in Arts Degree: Music

The Music Program is designed to give students the ability to develop an individualistic artistic voice through the exposure to the rigors of traditional music theory, performance and musicianship, with the option to choose among various elective courses to focus on their area of creative interest.

Continued on the next page.

Music students are required to audition and, once accepted, enroll in Music 189 (Individualized Lessons), to receive instruction on an instrument of their choice. Music majors will be required to take Music 189 and Music 190 (Applied Performance) a total of four times. Students will also have to take music theory and musicianship classes to earn the degree. The Department of Music offers a comprehensive curriculum to prepare performers, songwriters, electronic minded musicians, symphonic composers, pop and jazz enthusiasts, for the path toward successful creative careers. Music students must participate in at least one major performing group per semester while enrolled in the program. Students should select a performing group that fits their performance specialty or interest.

Degree Student Learning Outcome:
Students will be able to apply theoretical music concepts and performance-based skills to produce and perform standard repertoire and to create original music.

Program Requirements:

Units Required: 26

		Units
MUSIC-101	Musicianship Skills I	1.0
MUSIC-102	Musicianship Skills II	1.0
MUSIC-103	Musicianship Skills III	1.0
MUSIC-104	Musicianship Skills IV	1.0
MUSIC-120A	Tonal Harmony I	3.0
MUSIC-120B	Tonal Harmony II	3.0
MUSIC-137A	Introduction to Sibelius	2.0

Plus both courses below for a total of eight units, each course may be taken 4 times:

MUSIC-189	Individualized Music Lessons	1.0
MUSIC-190	Applied Performance	1.0

Plus four units for the following:

MUSIC-116	Performance Ensembles for Music Theatre	1.0 - 3.0
MUSIC-153	Studio Jazz Ensemble	1.0
MUSIC-162	Guitar Ensemble	1.25
MUSIC-165	Symphony of the Canyons	1.25
MUSIC-173	Jazz Vocal Ensemble	1.25
MUSIC-175	Festival Choir: Voices of the Canyons	1.25
MUSIC-176	Chamber Singers	1.25
MUSIC-177	Women's Choir (Les Chanteuses)	1.25
MUSIC-186	Music Ensemble	1.25
MUSIC-187	Commercial Music Ensemble	1.25
MUSIC-188	World Percussion Ensemble	1.25

Plus two units from the following:

MUSIC-131	Keyboard Instruction I	2.0
MUSIC-137B	Intermediate Sibelius	2.0
MUSIC-140	Vocal Development for Popular Music	1.0
MUSIC-141	Voice Development: From the Baroque to the 21st Century	2.0
MUSIC-156	Recording Techniques I	3.0
MUSIC-157	Recording Techniques II	3.0
MUSIC-160	Guitar Studies I	2.0
MUSIC-161	Guitar Studies II	2.0
MUSIC-193A	Introduction to Pro Tools	1.5
MUSIC-194A	Introduction to GarageBand and Logic Pro	1.5

Recommended electives:

MUSIC-105	Music Appreciation	3.0
MUSIC-106	Development of Jazz	3.0
MUSIC-107	History of Rock & Roll	3.0
MUSIC-108	World Music	3.0
MUSIC-109	History of Hip Hop Music and Culture	3.0
MUSIC-112	Music History	3.0
MUSIC-118A	Popular Songwriting I	3.0
MUSIC-118B	Popular Songwriting II	3.0
MUSIC-125	Studies in Music Composition	3.0
MUSIC-126A	Pop & Jazz Theory I	3.0
MUSIC-126B	Pop & Jazz Theory II	3.0
MUSIC-127	Orchestration for Strings and Woodwinds	3.0
MUSIC-128	Orchestration for Brass, Percussion, and Harp	3.0
MUSIC-142	Electronic Music Composition	3.0
MUSIC-146	Electronic Music for the Stage	3.0
MUSIC-151	Jazz Improvisation	1.0
MUSIC-159	Music Production and Scoring for Film/TV/New Media	3.0
MUSIC-192	Music Business	3.0
MUSIC-193B	Intermediate Pro Tools	1.5
MUSIC-193C	Advanced Pro Tools	1.5
MUSIC-194B	Intermediate Logic Pro	1.5
MUSIC-220A	Chromatic Harmony I	3.0
MUSIC-220B	Chromatic Harmony II	3.0

Certificate of Achievement: Commercial Music

The Commercial Music program is designed as an introductory preparation for employment in music with an emphasis in audio engineering. Courses in the theory and practice of recording techniques are offered to give students a well-rounded foundation to begin work.

Certificate Student Learning Outcomes:
Students will be able to:

— Record, mix, edit and master a music track using industry standard equipment and software.
— Design an audio reinforcement system for a live concert or event
— Demonstrate professional behavior as an audio engineer.

Program Requirements:

Units Required: 22.5

		Units:
MUSIC-137A	Introduction to Sibelius	2.0
MUSIC-154	Live Sound Reinforcement	3.0
MUSIC-156	Recording Techniques I	3.0
MUSIC-157	Recording Techniques II	3.0
MUSIC-192	Music Business	3.0
MEA-295	Professional Practices/Portfolio	2.0
MUSIC-155	Introduction to Audio Production	3.0

Plus three units from one of the following two options:

MUSIC-193A	Introduction to Pro Tools	1.5
MUSIC-193B	Intermediate to Pro Tools	1.5
MUSIC-194A	Introduction to Garageband and Logic Pro	1.5
MUSIC-194B	Intermediate to Logic Pro	1.5

Plus a minimum of one unit from the following:

WE-186MUS	Work Experience Education Music	0.05 – 4.0

Certificate of Achievement: Electronic Music

Through a variety of digitally centered technology, including computers, keyboards and other controllers, as well as hardware and software based synthesizers and samplers, the program focuses on the techniques and aesthetics of music composition and production of music in a variety of contemporary idioms. Student compositions will be performed live at college-based concerts.

Certificate Student Learning Outcome:

Students will be able to:

— Record and process acoustic sounds from natural sources.

— Create original music compositions for any media.

— Develop music scores fit for performers to read from.

Program Requirements:

Units Required: 19

		Units
MUSIC-137A	Introduction to Sibelius	2.0
MUSIC-137B	Intermediate Sibelius	2.0
MUSIC-142	Electronic Music Composition	3.0
MUSIC-146	Electronic Music for the Stage	3.0
MUSIC-193A	Introduction to Pro Tools	1.5
MUSIC-193B	Intermediate Pro Tools	1.5
MUSIC-194A	Introduction to GarageBand and Logic Pro	1.5
MUSIC-194B	Intermediate Logic Pro	1.5
MUSIC-155	Introduction to Audio Production	3.0

Recommended elective:

WE-186MUS	Work Experience Education Music	0.50 – 4.0

Certificate of Achievement: Music Composition

Through the technical and historical study of works ranging from the Baroque to the 21st century, as well as a comprehensive study in orchestration and structural analysis, students will develop the means to compose original music and to emulate the various styles from the past. Student compositions will be performed by college-based ensembles.

Certificate Student Learning Outcome:

Students will be able to:

— Compose well structured original music in the Classical, Modern and Contemporary styles.

— Arrange and orchestrate music for various chamber and symphonic instrumental ensembles.

Program Requirements:

Units Required: 21

		Units
MUSIC-120A	Tonal Harmony I	3.0
MUSIC-120B	Tonal Harmony II	3.0
MUSIC-125	Studies in Music Composition	3.0
MUSIC-127	Orchestration for Strings and Woodwinds	3.0
MUSIC-128	Orchestration for Brass, Percussion, and Harp	3.0
MUSIC-220A	Chromatic Harmony I	3.0
MUSIC-220B	Chromatic Harmony II	3.0

Certificate of Specialization: Logic Pro

This certificate offers beginning and intermediate level instruction in the skills needed to operate Apple's GarageBand and Logic Pro digital audio workstation hardware and software applications.

Certificate Student Learning Outcome:

Students will be able to record, edit, and mix audio, and MIDI within the GarageBand and Logic environment.

Program Requirements:

Units Required: 3

		Units
MUSIC-194A	Introduction to GarageBand and Logic Pro	1.5
MUSIC-194B	Intermediate Logic Pro	1.5

Certificate of Specialization: Music Recording Software

This certificate is designed as introductory preparation for employment and self-employment in audio engineering using digital recording and notation software. Courses in the theory and practice of recording techniques and software are offered to give students a well-rounded foundation to begin work.

Certificate Student Learning Outcome:

Students will be able to notate, record, edit, mix, and master music using a variety of software platforms.

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Program Requirements:

Units Required: 13

		Units
MUSIC-137A	Introduction to Sibelius	2.0
MUSIC-137B	Intermediate Sibelius	2.0
MUSIC-193A	Introduction to Pro Tools	1.5
MUSIC-193B	Intermediate Pro Tools	1.5
MUSIC-194A	Introduction to GarageBand and Logic Pro	1.5
MUSIC-194B	Intermediate Logic Pro	1.5
MUSIC-155	Introduction to Audio Production	3.0

Certificate of Specialization: Pro Tools – Level I

This certificate offers beginning and intermediate level instruction in the skills needed to use Avid's Pro Tools digital audio workstation hardware and software applications.

Certificate Student Learning Outcome:
Students will be able to record, edit, and mix audio, and MIDI within the Pro Tools environment.

Program Requirements:

Units Required: 3

		Units
MUSIC-193A	Introduction to Pro Tools	1.5
MUSIC-193B	Intermediate Pro Tools	1.5

Certificate of Specialization: Recording Techniques

This program is designed as an introductory preparation for employment in audio engineering in the recording studio environment. Courses in the theory and practice of recording techniques are offered to give students a well-rounded foundation to begin work either as an intern, assistant or recording engineer.

Certificate Student Learning Outcome:
SStudents will be able to utilize audio engineering principles to produce multi track recordings at a professional level consistent with the artists' vision.

Program Requirements:

Units Required: 6

		Units
MUSIC-156	Recording Techniques I	3.0
MUSIC-157	Recording Techniques II	3.0

Certificate of Specialization: Sibelius

This certificate offers beginning and intermediate level instruction in the skills needed to use Avid's music notation program Sibelius.

Certificate Student Learning Outcome:
Students will be able to create lead sheets, scores, and parts using notation that conforms to the current music publishing standards .

Program Requirements:

Units Required: 4

		Units
MUSIC-137A	Introduction to Sibelius	2.0
MUSIC-137B	Intermediate Sibelius	2.0

Certificate of Specialization: Sound Arts

The Sound Arts Certificate offers relevant and rigorous training for the applied sound and media industries. Sequentially modeled audio and music curricula is infused with practicum to model real-world standards for production and emphasizes foundation Career Education skills for those seeking employment in professional occupations for recording, editing, designing, and mixing sound.

Certificate Student Learning Outcome:
Demonstrate proficiency in the core skills and knowledge required for professional audio production.

Program Requirements:

Units Required: 12

		Units:
MUSIC-114	Digital Sound Editing	3.0
MUSIC-155	Introduction to Audio Production	3.0
MUSIC-159	Music Production and Scoring for Film/TV/New Media	3.0
MUSIC-255	Soundtrack Production for Film/TV/New Media	3.0
	Recommended elective:	
WE-186MUS	Work Experience Education Music	0.50 - 4.0

MUSIC 100 FUNDAMENTALS OF MUSIC

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID MUS 110

Introduces the elements of music and musical notation; music reading and sight-singing; scales and intervals.

MUSIC 101 MUSICIANSHIP SKILLS I

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab
C-ID MUS 125

Prerequisite: MUSIC-100

First in a series of four comprehensive training workshops for musicians. It includes intensive practice of sight-singing, melodic and rhythmic dictations, chord recognition as well as applied music theory exercises.

MUSIC 102 MUSICIANSHIP SKILLS II

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab
C-ID MUS 135

Prerequisite: MUSIC-101

Second in a series of four comprehensive training workshops providing musicians with intensive practice in sight-singing, melodic and rhythmic dictations, chord recognition and applied music theory exercises.

MUSIC 103 MUSICIANSHIP SKILLS III
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab
C-ID MUS 145

Prerequisite: MUSIC-102

Third in a series of four comprehensive training workshops providing musicians with intensive practice in sight-singing, melodic and rhythmic dictations, chord recognition and applied music theory exercises.

MUSIC 104 MUSICIANSHIP SKILLS IV
Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab
C-ID MUS 155

Prerequisite: MUSIC-103

Fourth in a series of four comprehensive training workshops providing musicians with intensive practice in sight-singing, melodic and rhythmic dictations, chord recognition and applied music theory exercises.

MUSIC 105 MUSIC APPRECIATION
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID MUS 100

Surveys musical masterpieces through all eras of musical evolution. Develops an appreciation and understanding of music in relation to culture and other art forms through listening experiences, lecture and discussion.

MUSIC 106 DEVELOPMENT OF JAZZ
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Presents jazz as a cultural medium, including its historical background and development in the United States.

MUSIC 107 HISTORY OF ROCK & ROLL
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID MIS 130

Explores the rise of rock and roll as a modern musical genre and examines its place in modern society.

MUSIC 108 WORLD MUSIC
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys non-Western cultures through their musical traditions.

MUSIC 109 HISTORY OF HIP HOP MUSIC AND CULTURE
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID MIS 130

Traces the evolution of hip hop from its African roots through the diaspora to its modern product of African American struggle. It is analyzed both as a cultural form of expression through music, dance, spoken word, lyrics, poetry, artists, philosophy, lifestyles, and through its social, economic, and political perspectives and issues.

MUSIC 110 MUSIC OF THE AMERICAS
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Covers the rhythms and varieties of the music of the Americas and the cultural roots that nurture this exciting form of expression. Music from the Caribbean and South, Central, and North America are covered, including genres such as corridos, son, rumba, and tangos. The integral role of their influences in the music of the USA and ethnic identities are highlighted.

MUSIC 112 MUSIC HISTORY
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Presents the main periods and styles of Western music from the Middle Ages to the present, including the most important composers, as well as the cultural context in which their music was created.

MUSIC 114 DIGITAL SOUND EDITING
Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Introduces non-linear sound editing and audio creation for multimedia content, including podcasts, film and television soundtracks, video game sound design, and the internet.

MUSIC 116 PERFORMANCE ENSEMBLES FOR MUSIC THEATER
Units: 1.00 – 3.00 (1.00 – 3.00 units lab)
UC:CSU 54.00 – 162.00 hours lab

Provides the opportunities to rehearse and perform music for scenes and complete musical theater productions produced in conjunction with Theater and other performing arts departments. Ability to sing or play a wind, brass, string or percussion instrument is assumed. Offered pass/no-pass only.

MUSIC 118A POPULAR SONGWRITING I
Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: MUSIC-100

Introduces popular song writing and the construction of lyrics for the commercial music industry. Basic knowledge of music fundamentals is assumed.

MUSIC 118B POPULAR SONGWRITING II
Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: MUSIC-118A

Expands on popular songwriting and the construction of lyrics at an intermediate level for the commercial music industry. Basic knowledge of music fundamentals is assumed.

Continued on the next page.

MUSIC 120A TONAL HARMONY I
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID MUS 120

Recommended Preparation: MUSIC-101 & concurrent enrollment in MUSIC-131

Presents the theory and practice of Western harmony from the 17th century to the beginning of the 20th Century. Major topics include: properties of sound, rhythm and meter, intervals, diatonic scales and triads, seventh chords (including dominant seventh chords), figured bass symbols, principles of voice leading, non-harmonic tones and harmonic analysis of music from the classical period [c.1725-1825].

MUSIC 120B TONAL HARMONY II
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID MUS 130

Prerequisite: MUSIC-120A

Recommended Preparation: Concurrent enrollment in MUSIC-102 & MUSIC-132

Continues the concepts from Tonal Harmony I. Additional content includes: an introduction to two-part counterpoint; voice leading involving four-part chorale writing; diatonic harmony; and an introduction to secondary/applied chords and modulation.

MUSIC 125 STUDIES IN MUSIC COMPOSITION
Units: 3.00 (2.00 units lecture, 1.00 unit lab)
UC:CSU 36.00 hours lecture, 54.00 hours lab

Presents a technical and historical analysis of works in various music languages. Students will compose individual pieces to be performed by college-based music ensembles.

MUSIC 126A POP AND JAZZ MUSIC THEORY I
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Recommended Preparation: MUSIC-120A

Focuses on the theoretical principles and practices found within the styles of jazz and pop music. Emphasizes analytical comprehension of style and chordal structure.

MUSIC 126B POP AND JAZZ MUSIC THEORY II
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Recommended Preparation: MUSIC-126A

Continues the theoretical principles and practices found within the styles of jazz and pop music covered in MUSIC-126A. Emphasizes analytical comprehension of style and chordal structure. Demonstration of techniques of melodic analysis and chordal reharmonization.

MUSIC 127 ORCHESTRATION FOR STRINGS AND WOODWINDS
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Recommended Preparation: MUSIC-100

Examines orchestration using the instruments of the standard symphonic ensemble with emphasis on strings and woodwinds. Course also focuses upon the use of computers, samplers and synthesizers as tools for the contemporary composer and arranger, as well as with the use of instruments from non-European traditions.

MUSIC 128 ORCHESTRATION FOR BRASS, PERCUSSION, AND HARP
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Recommended Preparation: MUSIC-100

Presents orchestration as it applies to the instruments of the standard symphonic ensemble, emphasizing brass, percussion, and harp. Includes the use of computers, samplers, and synthesizers as tools for the contemporary composer and arranger, as well as instruments from non-European traditions.

MUSIC 131 KEYBOARD INSTRUCTION I
Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab
C-ID MUS 170

First of two levels of keyboarding, focusing on introductory skills. Emphasizes instruction in elementary music-reading, repertoire, piano technique, tone production, sight-reading, keyboard harmony, and performance styles.

MUSIC 132 KEYBOARD INSTRUCTION II
Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab
C-ID MUS 171

Recommended Preparation: MUSIC-131

Second of two levels of keyboarding, focusing on beginning intermediate piano skills. Emphasizes instruction in music reading, repertoire, piano technique, tone production, sight-reading, keyboard harmony, and performance styles for music and non-music majors at a first-year level.

MUSIC 137A INTRODUCTION TO SIBELIUS
Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Recommended Preparation: MUSIC-100

First of a two-part series introducing traditional and software-based notation techniques for the production of professional quality manuscripts of vocal and instrumental scores using the Sibelius platform. Completion of this two-course sequence aligns with the Sibelius Certification exam.

MUSIC 137B INTERMEDIATE SIBELIUS

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Prerequisite: MUSIC-137A

Second of a two course series furthering the study of the Sibelius platform for use in creating end sheets, compositions, arrangements, and rearrangements. Completion of this two-course sequence aligns with the Sibelius Certification exam.

MUSIC 140 VOCAL DEVELOPMENT FOR POPULAR MUSIC

Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Develops vocal skills for professional singing of popular music; public performances will be scheduled.

MUSIC 141 VOICE DEVELOPMENT: FROM THE BAROQUE TO THE 21ST CENTURY

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab

Presents the art and technique of solo singing, including musical theater repertoire, art songs and arias from the European tradition of the last five centuries, non-Western music, American folk music, and spiritual selections.

MUSIC 142 ELECTRONIC MUSIC COMPOSITION

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Presents the composition and production of in-studio music in a variety of contemporary idioms utilizing digital technology.

MUSIC 146 ELECTRONIC MUSIC FOR THE STAGE

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Focuses on the techniques and aesthetics of music created with the computer for on-stage applications.

MUSIC 151 JAZZ IMPROVISATION

Units: 1.00 (1.00 unit lab)
UC:CSU 54.00 hours lab
May be taken four times for credit

Recommended Preparation: MUSIC-100

Emphasizes understanding basic theoretical structure as well as stylistic, melodic and rhythmic considerations. Designed to assist the jazz musician. Public performance may be required.

MUSIC 153 STUDIO JAZZ ENSEMBLE

Units: 1.25 (1.25 units lab)
UC:CSU 70.00 hours lab
May be taken four times for credit
C-ID MUS 180

Prerequisite: Audition

Examines the historical basis of jazz and fosters the improvement of jazz performance skills on wind, string, vocal or percussion instruments through participation in public concerts. Field trips may be required. Audition by instructor to ensure instrumental proficiency, and public performances are required.

MUSIC 154 LIVE SOUND REINFORCEMENT

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID CMUS 120X

Introduces the theory and audio engineering techniques for live sound production. Provides training in the design and operation of sound reinforcement systems, including microphones and mic placement, mixing and signal processing, front-of-house and stage monitoring, and live recording.

MUSIC 155 INTRODUCTION TO AUDIO PRODUCTION

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID CMUS 100X

Introduces foundation audio engineering concepts and production techniques for creating professional audio for film, television, and new media. Explores methods for location sound recording, and for studio-based multi-track recording, editing and mixing. Introduces the core concepts and techniques to competently operate a Pro Tools system running mid-sized sessions.

MUSIC 156 RECORDING STUDIO TECHNIQUES I

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID CMUS 130X

Prerequisite: MUSIC-155

Introduces multitrack music recording and production using AVID Pro Tools HD systems. Examines contemporary studio recording techniques, including proper microphone selection and placement, analog and digital audio signal paths and processing, loudspeaker monitoring and evaluating studio acoustics.

Continued on the next page.

MUSIC 157 RECORDING STUDIO TECHNIQUES II

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: MUSIC-155.
Recommended Preparation: MUSIC-156

Examines advanced studio production, by developing creative elements and applying advanced engineering concepts to produce music recordings. Applies advanced microphone techniques, acoustical analysis and room modeling, complex analog/digital hybrid audio configurations, and mixing, mastering, and postproduction workflows of professional recording facilities. Prepares students for internship or entry-level employment in recording studios, live production companies, live concert venues, and audio mastering facilities.

MUSIC 159 MUSIC PRODUCTION AND SCORING FOR FILM/TV/NEW MEDIA

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Examines tools, techniques and aesthetics used in creating music scores and soundtracks for motion pictures, television, and new media including production fundamentals, audio/visual synchronization, and basic electronic music composition.

MUSIC 160 GUITAR STUDIES I

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab

Introduces the needed skills to perform proficiently on the guitar.

MUSIC 161 GUITAR STUDIES II

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab

Recommended Preparation: MUSIC-160

Advances the study and application of guitar skill through intermediate chord structures, sight reading (1-5 position), and more complex rhythm techniques.

MUSIC 162 GUITAR ENSEMBLE

Units: 1.25 (1.25 units lab)
UC:CSU 70.00 hours lab
May be taken four times for credit
C-ID MUS 185

Prerequisite: Audition

Presents the study and performance of selected guitar ensemble works. Students practice and perform a wide variety of works from different historical eras, and develop their skills in reading music, improving their guitar technique and interpretation. Attendance at rehearsals and performances is required. Course is designed for students who want to advance their ensemble skills by participating in an ensemble group. Audition by instructor to ensure instrumental proficiency, and public performances are required.

MUSIC 165 SYMPHONY OF THE CANYONS

Units: 1.25 (1.25 units lab)
UC:CSU 70.00 hours lab
May be taken four times for credit
C-ID MUS 180

Prerequisite: Audition

Examines musical styles, performance techniques and basic theoretical analysis as they relate to performance of symphonic literature, as well as orchestra accompaniment of operatic and major choral works. Audition by instructor to ensure vocal proficiency, and public performances are required.

MUSIC 173 JAZZ VOCAL ENSEMBLE

Units: 1.25 (1.25 units lab)
UC:CSU 70.00 hours lab
May be taken four times for credit

Prerequisite: Audition

Provides the advanced singer an opportunity to learn and develop jazz vocal technique, including how to work with a sound system (microphones, mixing board, monitors, and speakers) and a jazz trio (piano, bass and drums). The repertoire consists of vocal arrangements from standard and progressive jazz schools. This group refines individual selections to high performance standards and represents the college at inter-collegiate festivals, on-campus performances, and in the community. Appropriate sight-singing proficiency and ability to follow a conductor are assumed. Audition by instructor to ensure vocal proficiency, and public performances are required.

MUSIC 175 FESTIVAL CHOIR: VOICES OF THE CANYONS

Units: 1.25 (1.25 units lab)
UC:CSU 70.00 hours lab
May be taken four times for credit
C-ID MUS 180

Prerequisite: Audition

Examines musical styles, performance practices and rehearsal techniques while refining individual selections to high performance standards and represents the college at inter-collegiate festivals, on-campus performances, and in the community. Field trips may be required. Audition by instructor to ensure vocal proficiency, and public performances are required.

MUSIC 176 CHAMBER SINGERS

Units: 1.25 (1.25 units lab)
UC:CSU 70.00 hours lab
May be taken four times for credit
C-ID MUS 180

Prerequisite: Audition

Presents the study and performance of chamber music from the 15th to the 21st centuries, emphasizing the development of skills needed to sing from a variety of choral styles and historical periods. Represents the college at inter-collegiate festivals, on-campus events, and within the community. Audition by instructor to ensure vocal proficiency, and public performances are required.

MUSIC 177 WOMEN'S CHOIR (LES CHANTEUSES)

Units: 1.25 (1.25 units lab)
UC:CSU 70.00 hours lab
May be taken four times for credit
C-ID MUS 180

Prerequisite: Audition

Studies musical styles and performance practices from an historical perspective as well as correct and efficient rehearsal techniques as they apply to the selected choral literature. Represents the College at inter-collegiate festivals, on-campus events, and within the community. Field trips may be required. Audition by instructor to ensure vocal proficiency, and public performances are required.

MUSIC 186 MUSIC ENSEMBLE

Units: 1.25 (1.25 units lab)
UC:CSU 70.00 hours lab
C-ID MUS 185
May be taken four times for credit

Prerequisite: Audition

Explores chamber music literature and practices. Specific technical skills will be addressed including breathing, phrasing, tonguing, bow technique, embouchure development, as well as vocal techniques and rehearsal standards. Audition by instructor to ensure instrumental proficiency, and public performances are required.

MUSIC 187 COMMERCIAL MUSIC ENSEMBLE

Units: 1.25 (1.25 units lab)
UC:CSU 70.00 hours lab
May be taken four times for credit
C-ID MUS 185

Prerequisite: Audition

Presents the study, rehearsal and public performance of popular music repertoire. This class includes contemporary pop and other commercial styles such as rock, R&B, soul, folk, country and Latin. Audition and public performance are required. This course is intended for singers and instrumentalists who want to advance their ensemble skills. Audition by instructor to ensure instrumental and/or vocal proficiency, and public performances are required.

MUSIC 188 WORLD PERCUSSION ENSEMBLE

Units: 1.25 (1.25 units lab)
UC:CSU 70.00 hours lab
C-ID MUS 185
May be taken four times for credit

Prerequisite: Audition

Presents the study and performance of hand drumming. The rhythms taught are drawn from the drumming cultures of Africa, the Middle East, India, the Caribbean, and South America. This ensemble is taught through oral tradition although some written materials are made available from time to time. Drums are provided but students are welcome to bring their own instruments (djembes, congas, frame drums). Audition by instructor to ensure instrumental proficiency, and public performances are required.

MUSIC 189 INDIVIDUALIZED MUSIC LESSONS

Units: 1.25 (1.25 units lab)
UC:CSU 70.00 hours lab
May be taken four times for credit
C-ID MUS 160

Prerequisite: Audition

Co-requisites: MUSIC 116, 151, 153, 162, 165, 173, 175, 176, 177, 185, 186, 187, 188, or 190.

Emphasizes technical development, the performing of musical repertoire, and the development of concert presentation skills. Individual instruction is provided by appointment. Audition by instructor to ensure instrumental and/or vocal proficiency, and public performances are required.

MUSIC 190 APPLIED PERFORMANCE

Units: 1.25 (1.25 units lab)
UC:CSU 70.00 hours lab
C-ID MUS 160
May be taken four times for credit

Co-requisite: MUSIC-189

Preparation and presentation of music literature to be performed before the class with a subsequent critique by the other students and instructor.

MUSIC 192 MUSIC BUSINESS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID MUS 140X

Examines the music business industry as it relates to production, recording, manufacturing, publishing, marketing, copyright and performing rights.

Continued on the next page.

MUSIC 193A INTRODUCTION TO PRO TOOLS

Units: 1.50 (1.00 unit lecture, 0.50 units lab)
CSU 18.00 hours lecture, 27.00 hours lab

Recommended Preparation : MUSIC-100

First of a three-part series introducing Avid's Pro Tools digital audio workstation software. Covers basic Pro Tools principles, including how to complete a Pro Tools project from initial setup to final mixdown. Topics also include how to record, edit, and mix music and Musical Instrument Digital Interface (MIDI) tracks within the Pro Tools application. Intended to prepare students for Avid Pro Tools certifications.

MUSIC 193B INTERMEDIATE PRO TOOLS

Units: 1.50 (1.00 unit lecture, 0.50 units lab)
CSU 18.00 hours lecture, 27.00 hours lab

Prerequisite: MUSIC-193A

Second of a three-part series covering Avid's Pro Tools digital audio workstation hardware and software application. Covers concepts and skills needed to operate large sessions in a project studio environment including managing large track counts, multiple channels of simultaneous inputs and outputs, and the use of specialized plug-ins for specific music and post-production tasks. Intended to prepare students for Avid Pro Tools certifications.

MUSIC 193C ADVANCED PRO TOOLS

Units: 1.50 (1.00 unit lecture, 0.50 units lab)
CSU 18.00 hours lecture, 27.00 hours lab

Prerequisite: MUSIC-193B

Third of a three-part series covering Avid's Pro Tools digital audio workstation hardware and software application. Covers the core concepts and skills needed to operate a Pro Tools HD system in a professional studio environment. Presents advanced recording, editing, and mixing techniques. Intended to prepare students for Avid Pro Tools certifications.

MUSIC 194A INTRODUCTION TO GARAGEBAND AND LOGIC PRO

Units: 1.50 (1.00 unit lecture, 0.50 units lab)
CSU 18.00 hours lecture, 27.00 hours lab

Introduces Apple's GarageBand and Logic Pro digital audio workstation software applications and techniques, including how to complete a project from initial setup to final mixdown. Examines how to record, edit, and mix music and Musical Instrument Digital Interface (MIDI) tracks within the GarageBand/Logic application.

MUSIC 194B INTERMEDIATE LOGIC PRO

Units: 1.50 (1.00 unit lecture, 0.50 units lab)
CSU 18.00 hours lecture, 27.00 hours lab

Recommended Preparation: MUSIC-194A

Explores intermediate Logic Pro digital audio workstation software application techniques including how to complete a project from initial set up to final mixdown. Covers how to record, edit, and mix music, and Musical Instrument Digital Interface (MIDI) tracks within the Logic Pro application at an intermediate level.

MUSIC 220A CHROMATIC HARMONY I

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID MUS 140

Prerequisite: MUSIC-120B

Recommended Preparation: Concurrent enrollment in MUSIC-103

Continues the concepts from Tonal Harmony II. Additionally includes: introduction to chromatic harmony; secondary/applied chords; modulation; borrowed chords; introduction to Neapolitan and augmented-sixth chords.

MUSIC 220B CHROMATIC HARMONY II

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID MUS 150

Prerequisite: MUSIC-220A

Recommended Preparation: Concurrent enrollment in MUSIC-104

Continues the concepts from Chromatic Harmony I. Additionally includes: post-Romantic techniques such as borrowed chords and modal mixture, chromatic mediants, Neapolitan and augmented-sixth chords, 9th, 11th and 13th chords, altered chords and dominants; and 20th century techniques such as Impressionism, tone rows, set theory, pandiatonicism and polytonalism, and meter and rhythm.

MUSIC 255 SOUNDTRACK PRODUCTION FOR FILM/TV/NEW MEDIA

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: MEA/MUSIC-114, MEA/MUSIC-155, MEA/MUSIC-159

Examines audio technologies and postproduction techniques for film, television, and new media, including studio and location sound recording, digital sound editing, sound design aesthetics, and mixing/mastering of professional soundtracks.

NETWORK TECHNOLOGY

Associate in Science Degree and Certificate of Achievement: Network Technology

The Network Technology Program will prepare students for an entry-level position in an IT related industry with emphasis in either systems administration or network administration. The associate degree is designed to provide entry level job skills and is transferable to four-year colleges or universities. Emphasis is placed on hands-on labs and case studies designed to apply

principles and develop troubleshooting skills. Students can prepare for industry certifications from industries and organizations such as BICSI, Cisco, CompTIA, or Microsoft.

Degree and Certificate Student Learning Outcome:
Students will be able to design, implement, troubleshoot and maintain networking systems.

Program Requirements:
Units Required: 30

		Units
ESYST-101	Basic Electronics	3.0
ESYST-131	IoT – Python Programming	3.0
NETECH-103	Network Cabling Infrastructure	3.0
NETECH-111	Computer Maintenance: A+ Certification Prep	3.0
NETECH-113	Data Center	3.0
NETECH-151	CCNA: Introduction to Networks	3.0
NETECH-152	CCNA-2: Switching, Routing and Wireless Essentials	3.0
NETECH-153	CCNA-3: Enterprise Networking, Security and Automation	3.0
NETECH-219	Security+ Certification	3.0
	Plus three units form the following:	
NETECH-142	Administering Windows Server Hybrid Core Infrastructure	3.0
	OR	
NETECH-211	Linux+ Certification Prep	3.0

Certificate of Specialization: Network Associate

Design configuration and maintenance of LANs. Develop practical experience in cabling, routing, IP addressing, Cisco supported network technologies, network troubleshooting skills, WAN technologies, VLANs, OSPF.

Certificate Student Learning Outcome:
Students will be able to design, implement, maintain, and troubleshoot network infrastructure devices.

Program Requirements:
Units Required: 12

		Units
NETECH-151	CCNA: Introduction to Networks	3.0
NETECH-152	CCNA-2: Switching, Routing and Wireless Essentials	3.0
NETECH-153	CCNA-3: Enterprise Networking, Security and Automation	3.0
NETECH-155	CCNA Cybersecurity Operations	3.0

NETECH 103 NETWORK CABLING INFRASTRUCTURE

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Introduces students to the principles, standards, and practices of structured cabling systems used in modern enterprise networks. This hands-on, lab-intensive course prepares students to plan, safely install, and verify copper, fiber-optic, and wireless network infrastructure in compliance with BICSI and TIA/EIA standards.

NETECH 111 A+ COMPUTER MAINTENANCE: A+ CERTIFICATION PREP

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Introduces students to the fundamentals of computer hardware, software, and troubleshooting through hands-on learning and practical application. The course provides a comprehensive foundation in PC assembly, maintenance, and repair, including the installation and configuration of operating systems, peripherals, and basic networking components. This course also aligns with and prepares students for the CompTIA A+ certification exam, an industry-recognized credential that validates foundational IT knowledge and skills..

NETECH 113 A+ DATA CENTER

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Examines data center design and implementation with a focus on environmentally friendly “green” technologies.

NETECH 142 ADMINISTERING WINDOWS SERVER HYBRID CORE INFRASTRUCTURE

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: NETECH-111 and NETECH-150 or NETECH-151.

Provides students with the knowledge and skills to administer modern Windows Server environments in hybrid infrastructures. This hands-on classes teaches deployment, management, and security of Windows Server environments both on-premises and in Azure using graphical tools and Windows PowerShell. Core topics include Active Directory Domain Services (AD DS), virtualization, high availability, storage solutions, networking, and hybrid identity.

Continued on the next page.

NETECH 150 CCNA: NETWORK FUNDAMENTALS (COMPTIA NETWORK+)

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID IT IS 150

Prerequisite: NETECH-111

Provides a comprehensive foundation in networking concepts and technologies to establish an information technology or cybersecurity career. The course demonstrates how to build, connect, manage, and troubleshoot multiple devices in authentic scenarios. The material builds on the NETECH-111 objectives including coverage of Windows, Linux, Mac, mobile, cloud, and expanded troubleshooting and security. Students will learn how to plan, configure, analyze, and troubleshoot networking infrastructure and pertinent hardware.

NETECH 151 CCNA: INTRODUCTION TO NETWORKS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID ITIS 150

The first course in a three-part sequence designed to prepare students for the Cisco Certified Network Associate (CCNA) certification. This introductory course provides a comprehensive foundation in networking concepts, architectures, and operations. Students explore how networks function, including the principles of data transmission, the role of protocols and models such as the OSI and TCP/IP, and the configuration of basic network devices.

NETECH 152 CCNA-2: SWITCHING, ROUTING, AND WIRELESS ESSENTIALS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID ITIS 151

Prerequisite: NETECH-151

The second course in a three-part sequence leading toward the Cisco Certified Network Associate (CCNA) certification. This course builds on foundational networking concepts by focusing on switching, routing, and wireless networking essentials. Students learn how to configure and troubleshoot routers and switches for advanced network functionality, including VLANs, trunking, inter-VLAN routing, and static and dynamic routing protocols.

NETECH 153 CCNA-3: ENTERPRISE NETWORKING, SECURITY, AND AUTOMATION

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: NETECH-152

Third of three classes in designing, configuring, and maintaining LANs, including cabling, IP addressing, network technologies and network troubleshooting skills. This course aligns with the Cisco CCNA certification.

NETECH 155 CCNA CYBERSECURITY OPERATIONS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID ITIS 166

Prerequisite: NETECH-151

Introduces students to the core concepts, technologies, and practices used in modern Security Operations Centers (SOCs). Topics include network intrusion analysis, security monitoring, incident response, vulnerability assessment, and the use of security information and event management (SIEM) tools. Students gain hands-on experience identifying and mitigating threats, interpreting logs and alerts, and applying best practices in digital forensics and cybersecurity defense. Emphasis is placed on developing the analytical and technical skills required to detect, analyze, and respond to cybersecurity incidents in real time. This course prepares students for the Cisco Certified CyberOps Associate (200-201 CBROPS) certification exam, supporting career paths in cybersecurity operations, threat analysis, and network defense.

NETECH 211 LINUX+ CERTIFICATION PREP

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Introduces students to the fundamental concepts and skills required to install, configure, administer, and troubleshoot Linux-based operating systems in a networked environment. Emphasis is placed on command-line operations, file system management, user and group administration, permissions, process management, software installation, system security, and network services. Students will gain practical experience working within multiple Linux distributions and develop the competencies necessary to support Linux systems in professional IT environments. The course also prepares students for the CompTIA Linux+ certification exam, validating essential skills for careers in systems administration, cybersecurity, and network operations.

NETECH 215 CLOUD+ CERTIFICATION PREP

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: NETECH-113

Provides the foundation for the development of cloud administration skills. This course aligns with the Cloud+ certification exam.

NETECH 219 SECURITY+ CERTIFICATION

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: NETECH-113

Covers basic concepts in network security including security baselines, securing the network infrastructure, web security, cryptography, operational security, security policies, and introduces computer forensics. This course aligns with the CompTIA Security+ certification exam.

NETECH 251 CCNP ENTERPRISE CORE

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: NETECH-153

Covers Cisco CCNP topics offered through the College of the Canyons Cisco Academy, including advanced routing, routing protocols, routing tables, scalable routing protocols, access lists, route distribution, IPv6, and configuration of advanced networks. This course aligns with the Cisco CCNP ROUTE certification exam.

NETECH 253 CCNP ENTERPRISE ADVANCED ROUTING & SERVICES

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: NETECH-153

Prepares students for the advanced concepts, configuration, and troubleshooting skills required for enterprise network design and operation, aligned with the Cisco CCNP Enterprise Advanced Routing and Services (ENARSI 300-410) certification exam. Students will gain hands-on experience implementing and optimizing enterprise-level routing and services, including advanced Open Shortest Path First (OSPF), Enhanced Interior Gateway Routing Protocol (EIGRP), Border Gateway Protocol (BGP), and route redistribution. The course emphasizes VPN technologies, IPv6 routing, infrastructure security, and infrastructure services such as Dynamic Host Configuration Protocol (DHCP), Network Time Protocol (NTP), and Simple Network Management Protocol (SNMP.

NURSING

College of the Canyons offers two Registered Nursing Programs that are approved by the California Board of Registered Nurses and accredited by the National League for Nursing Commission for Nursing Education Accreditation.

RN Program

Nursing is an art and science, incorporating knowledge from the behavioral, biological, and physical sciences. It has a holistic concept of health in which the physical, emotional, psychological, intellectual, social, and spiritual aspects of human functioning are interrelated, interdependent, and of equal importance. Offered is an Associate Degree in Nursing with a program of clinical components in which students care for patients in the acute-care setting and sub-acute setting. The program prepares students for an entry-level position in the health care setting. An RN (registered nurse), after taking a national licensure examination, may move directly into the position of beginning staff nurse. The program prepares students for this test.

LVN-RN Career Ladder Program

Nursing is an art and science incorporating knowledge from the behavioral, biological, and physical sciences. It has a holistic concept of health in which the physical, emotional, psychological, intellectual, social, and spiritual aspects of human functioning are interrelated, interdependent, and of equal importance. This program is for students already possessing a Licensed Vocational Nurse (LVN) license and experience as an LVN that allows them to complete a series of courses providing advance standing due to credit for their experience. Offered is an Associate Degree in Nursing with a program of clinical components in which students care for patients in the acute-care setting and sub-acute setting. The program prepares students for an entry-level position in the health care setting. An RN (registered nurse), after taking a national licensure examination, may move directly into the position of beginning staff nurse. The program prepares students for this test.

Specific Career Ladder Requirements:
LVN to RN applicants must have completed an approved LVN program. Copy of California LVN license must be provided with application.

The following requirements are due prior to beginning the LVN to RN Program:

- Proof of approved I.V. certification course
- LVN to RN students are required to work as an LVN. Proof of a minimum of 4 months of employment as an LVN.

An additional 30 unit option is available to LVNs.

30 UNIT OPTION:

The career ladder student may also choose a “30 unit option” plan. The lvn who chooses the “30 unit option” must have met the microbiology and physiology requirements with a grade of C or better. The applicant must then take Nursing 109, 126, 234, and 240. Upon satisfactory completion of these classes, the applicant would be eligible to apply to take the RN licensure examination. NOTE: Students who complete this option (30 units) will take NCLEX-RN as a non-graduate. This status will not change even if student goes on to obtain a degree. There is no restriction to practice within California. The student may have difficulty in transferring to another state or territory. The student may also have difficulty applying to a college/university for an advanced degree.

Applicants to this curriculum alternative must meet with the program director for objective counseling that includes admission process, course requirements, and the advantages/disadvantages of this route to licensure. TEAS test is required, but results will not deny admission to the program. The applicant is not required to meet college admission requirements.

RN AND LVN TO RN NURSING PROGRAM PREREQUISITES:

1. English Composition (4 semester units)
2. Anatomy and Physiology (8 semester units)
3. Microbiology (4 semester units)

Continued on the next page.

4. Communication (3 semester units)
5. Psychology (3 semester units)
6. Mathematics (3 – 5 semester units)

For detailed prerequisite information, please visit the Nursing Program website at:
www.canyons.edu/academics/nursing/

The College of the Canyons Registered Nursing Program is committed to servicing the community by providing the highest level of nursing education to all qualified students. The ability to enter the nursing program shall not be hindered by issues of age, sex, religion, ethnic origin, race, or socioeconomic status. Open access shall be the means by which all program participants are selected, all information disseminated, and all selection procedures are determined. Therefore, the following serves as a selection process outline for any, and all, nursing programs at College of the Canyons which require a specific selection process: applications, selection information, and individual program brochures are openly distributed from the Health Professions and Public Safety office and are provided to any person requesting such data. Potential and current applicants are requested to attend a nursing information session. These sessions are given once each semester. Information covers general campus information and provides specific data pertaining to selection requirements of the nursing programs the counseling department determines transferability of non-nursing courses. The director of nursing and/or assistant nursing program director determines the transferability of nursing courses.

SELECTION CRITERIA FOR RN AND LVN TO RN PROGRAMS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
To be considered for entrance, all prerequisites must be completed with a 2.5 GPA or higher. Completing the prerequisites, however, does not assure admission into the program.

SELECTION CRITERIA FOR RN PROGRAMS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
Students will be admitted to the program based on their scholastic eligibility and placement on a nursing assessment test as per SB 1309.

SCHOLASTIC ELIGIBILITY:
Scholastic eligibility is determined through a statewide approved formula which calculates the student's probability of successfully completing the ADN program. The formula uses the following criteria:

- Core Biology GPA – all Anatomy, Physiology, and Microbiology courses taken at the college level.
- Core Biology repetitions – the number of times a student has repeated a Core Biology course including withdrawals.
- English GPA – all credit English course grades regardless of the level of the course.
- Overall GPA – the college GPA as it appears on college transcripts excluding non-credit and not-for-credit courses.
- Students must have a minimum required score of 70 to be eligible for admission.

To be more competitive for admission, students are encouraged to:

- Complete all courses without repeating or withdrawing.
- Earn a minimum of a 3.0 GPA in all Biology courses
- Earn a minimum of a 3.0 GPA in all English courses

ASSESSMENT TEST:
Qualified applicants will be required to take a state approved nursing assessment test. Students must rank at the required level to be eligible for admission into the program. Currently, this is a 62 percent composite score on TEAS test (version V) based on the California Community College Chancellor's Office recommendation. Valid photo ID must be presented at time of test. See nursing website for updates which reflect current state guidelines and regulations.

RN Applicants:
Final selections are made using both multi-criteria screening and random selection. Qualified applicants not selected must reapply in order to be considered. The Health Professions and Public Safety office does not retain applications or transcripts.

Students not meeting eligibility criteria are offered a remediation plan. After successful completion, students are eligible to reapply for random selection.

If the remediation plan is not complete by the deadline, the student is no longer eligible to apply to the program.

LVN to RN Applicants:
Applicants accepted into the program will first enroll in the Transitions into Nursing course, Nursing 109. Upon completion of Nursing 109, the student will be placed on a waitlist to progress in the program on a space-available basis.

APPLICATION PROCEDURE:
Follow current application process as outlined at **www.canyons.edu/nursing**

INCOMING TRANSFER STUDENTS
Students may apply to the RN program by transfer or challenge. Students are not allowed to transfer into the first semester; students must enter first semester as a generic student. Students are only eligible to be considered for transfer if they have been in a nursing program within 12 months of the day their application is accepted and are eligible to re-enter their previous program. Students who have been out of a nursing program for more than 12 months must apply as beginning students. Student must provide letter from director of previous nursing program stating student is clinically safe and eligible to return to their program. The director of nursing determines how the applicant's previous courses correlate with the COC nursing program curriculum and determines what portion of the program must be taken in order to complete the nursing program at COC. The director of nursing has the right to accept or deny any transfer. Approved applicants MUST attend a mandatory orientation and complete Nursing 109. Upon completing Nursing 109, approved applicants

will be placed on a waiting list until an opening in the appropriate course becomes available. Transfer students who have previously failed another RN program will only be allowed one entry into the COC RN program. Follow current application process for transfer students as outlined at **www.canyons.edu/nursing**. Students advised by the BRN to take specific courses to obtain a license must also take the TEAS exam with any necessary remediation, attend a mandatory orientation, and complete Nursing 109.

SPECIAL REQUIREMENTS FOR ALL NURSING STUDENTS:
Once admitted to any of the RN programs, the student must comply with the following requirements, but not limited to:

- Proof of vaccination followed by positive titers for Hepatitis B (or signed waiver), rubeola, rubella, mumps
- Proof of Diphtheria/Tetanus/Pertussis (Tdap) and annual flu vaccinations
- Negative mantoux or chest x-ray documentation for Tuberculosis clearance.
- An annual physical examination. The first physical with functional abilities verification must be within six months of beginning classes.
- Current CPR certificate (American Heart Association for health care providers)
- Student registered nurse malpractice insurance
- Clear background check and OIG/GSA clearance
- Clear 10-panel drug test
- L. A. city fire card

Associate in Science Degree: Nursing – Registered Nurse

Nursing science is an art and science incorporating knowledge from the behavioral, biological, and physical sciences. It has a holistic concept of health in which the physical, emotional, psychological, intellectual, social, and spiritual aspects of human functioning are interrelated, interdependent, and of equal importance.

Offered as an Associate Degree in Nursing with a program of clinical components in which students care for patients in the acute-care, sub-acute, and home setting. The program prepares students to take the national licensure exam and for an entry-level registered nurse (RN) position in the health care setting.

Degree Student Learning Outcome:
Students will be able to:

— Integrate the perspectives of the provider of care, manager of care, and member of the nursing profession into patient care situations.

— Function in the roles of provider of care, manager of care, and member of the nursing profession.

Program Requirements:
Units Required: 62

		Units
NURSNG-112	Foundations of Nursing	4.25
NURSNG-114	Fundamentals of Nursing	6.50
NURSNG-124	Beginning Medical Surgical Nursing	5.75
NURSNG-126	Psychiatric Nursing	3.75
NURSNG-234	Intermediate Medical-Surgical Nursing	4.75
NURSNG-236	Maternal Child Nursing	5.50
NURSNG-240	Advanced Medical-Surgical Nursing and Leadership	8.50

Plus eight units from the following options:

BIOSCI-201	Introduction to Human Anatomy	4.0
	AND	
BIOSCI-202	Introduction to Human Physiology	4.0
	OR	
BIOSCI-204	Human Anatomy and Physiology I	4.0
	AND	
BIOSCI-205	Human Anatomy and Physiology II	4.0

Plus twelve units from the following options:

BIOSCI-221	Introduction to Microbiology	5.0
ENGL-C1000	Academic Reading and Writing	4.0
	OR	
ENGL-C1000H	Academic Reading and Writing – Honors	4.0
PSYC-C1000	Introduction to Psychology	3.0
	OR	
PSYC-C1000H	Introduction to Psychology – Honors	3.0

Plus three units from the following:

COMM-C1000	Introduction to Public Speaking	3.0
COMM-C1000H	Introduction to Public Speaking – Honors	3.0
COMM-120	Small Group Communication	3.0

In order to receive an associate degree, RN students must complete all nursing program requirements with a grade of "C" or better. The physical education and diversity requirements have been waived for the RN students. Students must complete ALL requirements for the associate degree before the student will be allowed to apply for licensure. Consult with a counselor to determine the exact courses needed to complete the degree.

Associate in Science Degree: Nursing – Career Ladder LVN to RN

Nursing science is an art and science incorporating knowledge from the behavioral, biological, and physical sciences. It has a holistic concept of health in which the physical, emotional, psychological, intellectual, social, and spiritual aspects of human functioning are interrelated, interdependent, and of equal importance. This program is for students already possessing a license as a licensed vocational nurse (LVN) and experience as an LVN, which provides them advance standing due to credit for their experience. Offered as an

Associate Degree in Nursing with a program of clinical components in which the student cares for patients in the acute-care, sub-acute, and ambulatory care setting. The program prepares the students to take the national licensure exam and for an entry-level registered nurse (RN) position in the health care setting.

Degree Student Learning Outcome:
Students will be able to:

— Integrate the perspectives of the provider of care, manager of care, and member of the nursing profession into patient care situations.

— Function in the roles of provider of care, manager of care, and member of the nursing profession.

Program Requirements:
Units Required: 44

		Units
NURSNG-109	Transition Into Nursing	4.0
NURSNG-126	Psychiatric Nursing	3.75
NURSNG-234	Intermediate Medical-Surgical Nursing	4.75
NURSNG-240	Advanced Medical-Surgical Nursing and Leadership	8.50
	Plus eight units from the following options:	
BIOSCI-201	Introduction to Human Anatomy	4.0
	AND	
BIOSCI-202	Introduction to Human Physiology	4.0
	OR	
BIOSCI-204	Human Anatomy and Physiology I	4.0
	AND	
BIOSCI-205	Human Anatomy and Physiology II	4.0
	Plus twelve units from the following options:	
BIOSCI-221	Introduction to Microbiology	5.0
ENGL-C1000	Academic Reading and Writing	4.0
	OR	
ENGL-C1000H	Academic Reading and Writing – Honors	4.0
PSYC-C1000	Introduction to Psychology	3.0
	OR	
PSYC-C1000H	Introduction to Psychology – Honors	3.0
	Plus three units from the following:	
COMM-C1000	Introduction to Public Speaking	3.0
COMM-C1000H	Introduction to Public Speaking – Honors	3.0
COMM-120	Small Group Communication	3.0

In order to receive an associate degree, LVN to RN students must complete all nursing program requirements with a grade of "C" or better. The physical education and diversity requirements have been waived for the RN students. Students must complete ALL requirements for the associate degree before the student will be allowed to apply for licensure. Consult with a counselor to determine the exact courses needed to complete the degree.

GENERAL INFORMATION

Accrediting and approval agencies for rRegistered nursing and LVN-RN career ladder programs:

ACCREDITATION COMMISSION FOR EDUCATION IN NURSING, INC. (ACEN)

3343 Peachtree Road NE, Suite 500
Atlanta, Georgia 30326

P: (404) 975-5000

F: (404) 975-5020

BOARD OF REGISTERED NURSING (BRN)

P.O. Box 944210
Sacramento, CA 94244-2100

(916) 322-3350

Link to RN NCLEX pass rates is posted on nursing department website.

CERTIFICATES

The nursing department offers certificates in health-related fields. Students gain experience caring for patients in a variety of community settings. State and local requirements apply to all programs, and students must meet all mandated requirements.

Certificate of Specialization: CNA – Certified Nursing Assistant

Upon completion of this course and a state test for certification, the student will be able to function as a certified nurse assistant in a skilled nursing facility providing basic patient care for residents. The CNA works under the supervision of a licensed vocational nurse or registered nurse.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required for employment as a certified nurse assistant.

Program Requirements:
Units Required for certificate: 6

		Units
NURSNG-050	Nurse Assistant Training	6.0

NURSNG 045 BASIC EKG INTERPRETATION

Units: 1.50 (1.50 units lecture)
27.00 hours lecture maximum

Presents basic EKG interpretation including, basic principles, normal sinus rhythm, dysrhythmias of focal origin and rhythm blocks. Designed for practicing nurses, student nurses, and those seeking to become a monitor technician.

NURSNG 050 NURSE ASSISTANT TRAINING

Units: 6.00 (3.75 units lecture, 2.25 units lab)
67.50 hours lecture maximum, 121.50 hours lab maximum

Prerequisite: TB test and physical exam within the last six months. Proof of vaccination for Hepatitis B (or signed waiver), rubeola, rubella, mumps, polio, diphtheria, and tetanus required. In order to register, a packet must be picked up in the Health Professions and Public Safety Office. Forms must be completed and submitted to the instructor on the first day of class.

Presents the fundamental nursing skills needed to care for the hospitalized patient. Includes clinical practice in a skilled nursing facility with emphasis on the role and responsibilities of the nurse assistant, safety principles and infection control, basic patient care skills, and emotional, social, and spiritual needs of the patient. Upon completion, the student will be eligible to take the California test for certification. Field trip required.

NURSNG 061 INTERPRETATION OF LABORATORY TESTS

Units: 1.00 (1.00 unit lecture)
18.00 hours lecture

Provides an in-depth review and analysis of laboratory values and their implications. Offered pass/no-pass only. Units do not apply to associate or baccalaureate degrees.

NURSNG 089 SUCCESS IN FUNDAMENTAL NURSING

Units: 1.00 (1.00 unit lecture)
18.00 hours lecture

Co-requisite: Nursing 112 and Nursing 114.

Expands on students' critical thinking skills focusing on content from NURSNG 112 & 114. Offered pass/no-pass only. Units do not apply to associate or baccalaureate degrees.

NURSNG 092 SUCCESS IN BEGINNING MEDICAL/SURGICAL NURSING

Units: 0.50 (0.50 units lecture)
9.00 hours lecture

Co-requisite: NURSNG-124

Expands on critical thinking skills focusing on content from NURSNG-124 through the study of pathophysiology and nursing care related healthcare alterations such as diabetes, gastrointestinal, and reproductive disorders. Offered pass/no-pass only. Units do not apply to associate or baccalaureate degrees.

NURSNG 093 SUCCESS IN MATERNAL NEWBORN AND PEDIATRIC NURSING

Units: 0.50 (0.50 units lecture)
9.00 hours lecture

Co-requisite: NURSNG-236

Expands on students' critical thinking skills focusing on content from NURSNG-236. Offered pass/no-pass only. Units do not apply to associate or baccalaureate degrees.

NURSNG 094 SUCCESS IN PSYCHIATRIC NURSING

Units: 0.50 (0.50 units lecture)
9.00 hours lecture

Co-requisite: NURSNG-126

Expands on students' critical thinking skills focusing on content from NURSNG-126. Offered pass/no-pass only. Units do not apply to associate or baccalaureate degrees.

NURSNG 095 SUCCESS IN INTERMEDIATE MEDICAL/SURGICAL NURSING

Units: 0.50 (0.50 units lecture)
9.00 hours lecture

Co-requisite: NURSNG-234

Expands on critical thinking skills focusing on content from NURSNG-234 through the study of pathophysiology and nursing care related healthcare alterations such as oxygenation, tissue perfusion, and cognition problems. Offered pass/no-pass only. Units do not apply to associate or baccalaureate degrees.

NURSNG 096 SUCCESS IN ADVANCED MEDICAL/SURGICAL NURSING

Units: 1.00 (1.00 unit lecture)
18.00 hours lecture maximum

Co-requisite: NURSNG-240

Expands on students' critical thinking skills focusing on content from NURSNG-240. Offered pass/no-pass only. Units do not apply to associate or baccalaureate degrees.

NURSNG 109 TRANSITION INTO NURSING

Units: 4.00 (1.75 units lecture, 2.25 units lab)
CSU 31.50 hours lecture, 121.50 hours lab

Prerequisite: admission to the nursing program.

Designed to assist all transfer, returning, and licensed vocational nurse (LVN) to registered nurse (RN) students to successfully integrate into the registered nursing program, including the knowledge, skills, and attitudes necessary to address health problems of adult and elderly patients as a provider of care, manager of care, and member of the nursing profession. Emphasizes a patient-centered approach by focusing on their multifaceted needs and the integrated concepts of person, health, nursing, and environment. Field trips involving clinical experiences at hospitals are required.

Continued on the next page.

NURSNG 112 FOUNDATIONS OF NURSING

Units: 4.25 (2.00 units lecture, 2.25 units lab)
CSU 36.00 hours lecture, 121.50 hours lab

Prerequisite: admission to the nursing program.

Presents the foundational knowledge, skills, and attitudes necessary for socialization to the roles of provider of care, manager of care, and member of the nursing profession. Prepares the student for patient-centered nursing by focusing on the physiological, psychological, socio-cultural, developmental, and spiritual needs of patients across the lifespan and the integrated concepts of person, health, environment, and nursing.

NURSNG 114 FUNDAMENTALS OF NURSING

Units: 6.50 (3.50 units lecture, 3.00 units lab)
CSU 63.00 hours lecture, 162.00 hours lab

Prerequisite: NURSNG-112

Presents the knowledge, skills, and attitudes necessary to provide basic care to adult and elderly patients as a professional nurse at a fundamental level. Emphasizes a patient centered approach by focusing on their multifaceted needs and integrated concepts related to wellness and heath alterations of mobility and protection. Field trip required.

NURSNG 124 BEGINNING MEDICAL SURGICAL NURSING

Units: 5.75 (3.50 units lecture, 2.25 units lab)
CSU 63.00 hours lecture, 121.50 hours lab

Prerequisite: NURSNG-114

Presents the knowledge, skills, and attitudes necessary to provide care for non-complex health problems of adult and elderly patients at a beginning level. Emphasizes a patient-centered approach by focusing on their multifaceted needs and integrated concepts related to wellness and alterations of oxygenation, tissue perfusion, nutrition, elimination, metabolism, and sexuality. Field trip required.

NURSNG 126 PSYCHIATRIC NURSING

Units: 3.75 (2.25 units lecture, 1.50 units lab)
CSU 40.50 hours lecture, 81.00 hours lab

Prerequisite: NURSNG-114 and PSYC-C1000 or C1000H

Presents the knowledge, skills, and attitudes necessary to provide care for health problems of psychiatric patients across the lifespan at a beginning level. Emphasizes a patient-centered approach by focusing on their multifaceted needs and integrated concepts related to wellness and psychological health alterations. Field trip required.

NURSNG 130 NURSING CLINICAL PRACTICE

Units: 2.00 (2.00 units lab)
CSU 108.00 hours lab maximum

Prerequisite: NURSNG-124, TB test and physical exam within the last six months. Proof of vaccination for Hepatitis B (or signed waiver), rubeola, rubella, mumps, polio, diphtheria, and tetanus required. In order to register, a packet must be picked up in the Health Professions and Public Safety office. Forms must be completed and submitted to the Health Professions and Public Safety office by the deadline provided.

Provides additional clinical practice to students emphasizing beginning and intermediate medical/surgical skills. Not appropriate for students who have completed a nursing program. In order to register, equivalency of Nursing 124 must be presented to the Health Professions and Public Safety office. Field trip required. Offered pass/no-pass only.

NURSNG 206 OPERATING ROOM NURSING

Units: 3.75 (3.50 units lecture, 0.25 units lab)
CSU 63.00 hours lecture, 13.50 hours lab

Prerequisite: NURSNG-234

Presents theory of operating room nursing, including the three areas of perioperative nursing care: preoperative assessment and planning, intraoperative implementation, and postoperative evaluation. Field trip required.

NURSNG 212 PHYSICAL ASSESSMENT

Units: 1.25 (1.00 unit lecture, 0.25 units lab)
CSU 18.00 hours lecture, 13.50 hours lab

Prerequisite: admission to the nursing program.

Designed to develop basic skills of physical assessment covering the life span including the health history, physical examination techniques, and the nursing process.

NURSNG 215 PHARMACOLOGICAL PRINCIPLES

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture maximum

Presents in-depth pharmacological principles, including drug classifications, pharmacokinetics, pharmacodynamics, pharmacotherapeutics, legal and ethical issues, patient and family education, and dosage calculation.

NURSNG 234 INTERMEDIATE MEDICAL-SURGICAL NURSING

Units: 4.75 (2.50 units lecture, 2.25 units lab)
CSU 45.00 hours lecture, 121.50 hours lab

Prerequisite: NURSNG-124 and NURSNG-126

Presents the knowledge, skills, and attitudes necessary to provide care for complex health problems of adult and elderly patients at an intermediate level. Emphasizes management of patient-centered care by focusing on the multifaceted needs of patients and integrated concepts related to wellness and alterations of oxygenation, tissue perfusion, elimination, mobility, sensation, cognition, and sexuality. Field trip required.

NURSNG 236 MATERNAL CHILD NURSING

Units: 5.50 (3.25 units lecture, 2.25 units lab)
CSU 58.50 hours lecture, 121.50 hours lab

Prerequisite: NURSNG-124

Presents the knowledge, skills, and attitudes necessary to provide care for health problems of the pediatric, newborn, maternal patient and their families at the intermediate level. Emphasizes management of patient and family-centered care by focusing on the multifaceted needs of the family and integrated concepts related to wellness and alterations health. Field trip required.

NURSNG 240 ADVANCED MEDICAL-SURGICAL NURSING AND LEADERSHIP

Units: 8.50 (4.00 units lecture, 4.50 units lab)
CSU 72.00 hours lecture, 243.00 hours lab

Prerequisite: NURSNG-234 and NURSNG-236

Presents the knowledge, skills, and attitudes necessary to provide care for complex and multi-system health problems of the adult and elderly patient at an advanced level. Manages groups of patients and provides leadership for patient centered care by focusing on their multifaceted needs and integrated concepts related to wellness and alterations of oxygenation, cardiac output, tissue perfusion, mobility, sensation & cognition, protection, inflammation & immunity, nutrition, elimination & excretion, metabolism, mental health & psychosocial, sexuality & reproduction, pharmacology, care for the geriatric population, and course specific content. Prepares the student for transition into practice. Field trip required.



NURSNG 250 TRANSITION TO PROFESSIONAL PRACTICE

Units: 3.00 (3.00 units lab)
CSU 162.00 hours lab

Prerequisite: Interim permit from the California Board of Registered Nursing, TB test, physical examination within the last six months. Proof of vaccination for hepatitis B (or signed waiver), rubeola, rubella, mumps, diphtheria, and tetanus. Criminal clearance and current CPR card (for health-care providers) required. Malpractice insurance, and LA City Fire Card.

Supports new graduate RN students within the last 12 months in their progression from education to professional practice. While working with pre-arranged preceptors in acute care facilities, students will have the opportunity to expand upon the knowledge and skills learned in a pre-licensure nursing program. Offered pass/no-pass only. Field trips required.

OCCUPATIONAL THERAPY ASSISTANT

Associate in Science Degree: Occupational Therapy Assistant

Occupational therapy is a healthcare profession whose practitioners work in diverse settings, including hospitals, private practices, outpatient clinics, home health agencies, schools, community health centers, skilled nursing facilities, mental health facilities, and work environments. The occupational therapy assistant (OTA) is a key member of the healthcare team, providing occupational therapy services under the direction and supervision of a licensed occupational therapist. The OTA supports individuals of all ages facing health or medical challenges that limit their ability to perform daily functional activities. Once graduated and certified, the OTA assists clients through interventions focused on improving skills for activities of daily living (ADLs), instrumental activities of daily living (IADLs), and other functional tasks, including mobility, self-care, and social participation across the lifespan. The OTA is also skilled in implementing therapeutic activities, environmental adaptations, and the use of adaptive equipment, as well as assisting with sensory integration techniques and other modalities to promote independence and enhance quality of life.

Eligibility for enrollment in this program is determined by a special admission procedure. Interested students should review the steps for program admission on the College of the Canyons occupational therapy assistant website. **www.canyons.edu/OTA**

Continued on the next page.

Degree Student Learning Outcome:
Students will be able to demonstrate the ability to provide competent and ethical care and address the diverse needs of clients in various practice settings as an entry-level occupational therapy assistant.

Program Requirements:
Units Required: 43.50

		Units:
OTA-100	Introduction to Occupational Therapy: Theory and Practice	2.0
OTA-110	Introduction to Activity Analysis & Documentation	1.5
OTA-120	Biomechanics and Applied Kinesiology in Occupational Therapy	3.0
OTA-120L	Biomechanics and Applied Kinesiology in Occupational Therapy Lab	1.0
OTA-130	Theory and Process in Neurological Disorders and Psychosocial Issues	3.0
OTA-130L	Theory and Process in Neurological Disorders and Psychosocial Issues Lab	1.0
OTA-133	Level I Fieldwork in Neurological and Psychosocial Issues	0.5
OTA-141	Conditions and Wellness in Occupational Therapy	2.0
OTA-151	Advanced Clinical Documentation for Occupational Therapy	1.0
OTA-161	Pediatric Occupational Therapy: Theory and Practice in Developmental Disabilities and Conditions	3.0
OTA-161L	Pediatric Occupational Therapy: Theory and Practice in Developmental Disabilities and Conditions Lab	1.0
OTA-163	Level I Fieldwork in Developmental Disabilities and Pediatric Conditions	0.5
OTA-171	Physical Dysfunction and Rehabilitation for Adults: Theory and Practice	3.5
OTA-171L	Physical Dysfunction and Rehabilitation for Adults: Theory and Practice Lab	1.0
OTA-173	Level I Fieldwork in Physical Dysfunction and Adult Rehabilitation	0.5
OTA-202	Management of Occupational Therapy Services	1.5
OTA-212	Evidence-Based Practice in Occupational Therapy Interventions	3.0
OTA-222L	Clinical Competency and Reasoning Skills Lab	1.0
OTA-232	Exam Preparation for Occupational Therapy Assistants	1.0
OTA-233	OTA Level II Fieldwork: First Rotation	6.25
OTA-243	OTA Level II Fieldwork: Second Rotation	6.25

OTA 100 INTRODUCTION TO OCCUPATIONAL THERAPY: THEORY AND PRACTICE

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Introduces the history and core principles of Occupational Therapy. Students will explore key theories and practices within the field, and examine various frames of reference and their applications. The course highlights the role of diversity in occupational therapy education and practice and examines how occupational therapy services are provided across different settings and populations. Field trips may be required. Admission to Occupational Therapy Assistant program is required.

OTA 110 INTRODUCTION TO ACTIVITY ANALYSIS & DOCUMENTATION

Units: 1.50 (1.50 units lecture)
CSU 27.00 hours lecture

Explores the principles of activity analysis, develops subjective, objective, assessment, and plan (SOAP) documentation in Occupational Therapy. This course provides hands-on experience analyzing therapeutic activities applying the teaching/learning process in diverse clinical settings, while adhering to legal and ethical standards. Field trips may be required. Admission to Occupational Therapy Assistant program is required.

OTA 120 BIOMECHANICS AND APPLIED KINESIOLOGY IN OCCUPATIONAL THERAPY

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Co-requisite: OTA-120L

Explores biomechanics, kinesiology, and motor and processing skills related to human movement, including joint structure, muscle function, and balance. Students will conduct biomechanical activity analyses to develop occupation-based interventions. Field trips may be required. Admission to Occupational Therapy Assistant program is required.

OTA 120L BIOMECHANICS AND APPLIED KINESIOLOGY IN OCCUPATIONAL THERAPY LAB

Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Co-requisite: OTA-120

Provides hands-on experience in developing assessment skills and basic intervention methods for addressing biomechanical deficits and impairments. This course emphasizes practical applications through lab-based activities, fostering an analytical and problem-solving approach to functional human movement. Laboratory component of OTA-120. Admission to Occupational Therapy Assistant program is required.

OTA 130 THEORY AND PROCESS IN NEUROLOGICAL DISORDERS AND PSYCHOSOCIAL ISSUES

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: OTA-100, OTA-120, and OTA-120L

Co-requisite: OTA-130L

Explores the various aspects of neuroscience, focusing on motor and reflex development as well as sensory influences. Students will examine how client factors impact engagement in occupations throughout the lifespan and the role of neuromusculoskeletal and psychosocial factors in this process. Students will study the responsibilities of the Occupational Therapy Assistant in supporting individuals with mental health conditions, cognitive impairments, trauma histories, and dysregulated behaviors across different settings. The course will also involve completing a psychosocial activity analysis related to occupational performance. Field trips may be required. Admission to Occupational Therapy Assistant program is required.

OTA 130L THEORY AND PROCESS IN NEUROLOGICAL DISORDERS AND PSYCHOSOCIAL ISSUES LAB

Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Prerequisite: OTA-100, OTA-120, and OTA-120L

Co-requisite: OTA-130

Provides students with hands-on lab experiences to develop problem-solving skills with individuals facing mental health conditions, cognitive impairments, trauma histories, or dysregulated behaviors. Students will develop skills in group dynamics, client assessment, and basic intervention strategies for neuromusculoskeletal and psychosocial factors, including methods for remediation and compensation. Laboratory component of OTA-130. Admission to Occupational Therapy Assistant program is required.

OTA 133 LEVEL I FIELDWORK IN NEUROLOGICAL AND PSYCHOSOCIAL ISSUES

Units: 0.50 (0.50 units lab)
CSU 30.00 hours lab

Prerequisite: OTA-100, OTA-120, and OTA-120L

Provides students with off-site fieldwork experiences to develop problem-solving skills with individuals facing mental health conditions, cognitive impairments, trauma histories, and/or dysregulated behaviors. Students will develop skills in group dynamics, client assessment, and basic intervention strategies for neuromusculoskeletal and psychosocial factors, including methods for remediation and compensation. Admission to Occupational Therapy Assistant program is required.

OTA 141 CONDITIONS AND WELLNESS IN OCCUPATIONAL THERAPY

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Prerequisite: OTA-100, OTA-120, and OTA-120L

Introduces conditions and issues concerning health, illness, and wellness, as well as the impact of pathologic processes on individuals. Provides knowledge of various occupational contexts, Occupational Therapy services, and the scope of practice for Occupational Therapy Assistant. Field trips may be required. Admission to the Occupational Therapy Assistant program is required.

OTA 151 ADVANCED CLINICAL DOCUMENTATION FOR OCCUPATIONAL THERAPY

Units: 1.00 (1.00 unit lecture)
CSU 18.00 hours lecture

Prerequisite: OTA-110

Develops clinical reasoning skills by applying various documentation formats required by different treatment settings and reimbursement systems. They will analyze the roles and responsibilities in documentation and evaluate the use of professional terminology and electronic medical records (EMR) in practice. Additionally, students will explore ethical and legal considerations related to the medical record. Through these experiences, they will also create accurate, professional documentation in compliance with industry standards. Field trips may be required. Admission to the Occupational Therapy Assistant program is required.

OTA 161 PEDIATRIC OCCUPATIONAL THERAPY: THEORY AND PRACTICE IN DEVELOPMENTAL DISABILITIES AND CONDITIONS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: OTA-141

Co-requisite: OTA-161L

Explores foundational knowledge of developmental disabilities and common conditions of children and adolescents referred for occupational therapy. Students will consider the scope of occupational therapy, analyze the types of practice settings, and apply the role of the occupational therapy assistant in pediatrics and developmental disabilities. Students will also evaluate common frames of reference, examine evaluation tools and procedures, and synthesize intervention strategies used in pediatric occupational therapy practice. Field trips may be required. Admission to the Occupational Therapy Assistant program is required.

OTA 161L PEDIATRIC OCCUPATIONAL THERAPY: THEORY AND PRACTICE IN DEVELOPMENTAL DISABILITIES AND CONDITIONS LAB

Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Prerequisite: OTA-141

Co-requisite: OTA-161

Explores foundational knowledge of developmental disabilities and common conditions of children and adolescents referred for occupational therapy. Students will consider the scope of occupational therapy, analyze the types of practice settings, and apply the role of the occupational therapy assistant in pediatrics and developmental disabilities. Students will also evaluate common frames of reference, examine evaluation tools and procedures, and synthesize intervention strategies used in pediatric occupational therapy practice. Field trips may be required. Admission to the Occupational Therapy Assistant program is required.

OTA 163 LEVEL I FIELDWORK IN DEVELOPMENTAL DISABILITIES AND PEDIATRIC CONDITIONS

Units: 0.50 (0.50 units lab)
CSU 30.00 hours lab

Prerequisite: OTA-141

Introduces off-site clinical practice for individuals with pediatric or developmental conditions that limit or affect engagement in occupation. As a participant observer, the student will integrate academic knowledge with the occupational therapy (OT) process in settings serving infants, children, and adolescent clients facing various occupational challenges and disabilities, while demonstrating professionalism and ethics throughout their experiences. Admission to Occupational Therapy Assistant program is required.

OTA 171 PHYSICAL DYSFUNCTION AND REHABILITATION FOR ADULTS: THEORY AND PRACTICE

Units: 3.50 (3.50 units lecture)
CSU 63.00 hours lecture

Prerequisite: OTA-120 & OTA-120L

Co-requisite: OTA-171L

Provides students with an in-depth understanding of occupational therapy, covering the scope of the field, various practice settings, and commonly used frames of reference. Students will explore intervention strategies, standardized assessments, and the specific role of the occupational therapy assistant in addressing physical dysfunctions in adults and older adults. Field trips may be required. Admission to Occupational Therapy Assistant program is required.

OTA 171L PHYSICAL DYSFUNCTION AND REHABILITATION FOR ADULTS: THEORY AND PRACTICE LAB

Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Prerequisite: OTA-120 & OTA-120L

Co-requisite: OTA-171

Provides hands-on lab experiences where students will analyze physical disabilities and develop intervention methods and strategies for remediation of, and compensation for, physical deficits and impairments for the adult and older adult. Laboratory component of OTA-171. Admission to Occupational Therapy Assistant program is required.

OTA 173 LEVEL I FIELDWORK IN PHYSICAL DYSFUNCTION AND ADULT REHABILITATION

Units: 0.50 (0.50 units lab)
CSU 30.00 hours lab

Prerequisite: OTA-120 & OTA-120L

Introduces working with individuals experiencing physical dysfunction through off-site Level I Fieldwork experiences. As participant observers, the student integrates academic experiences with Occupational Therapy (OT) process in settings serving adult and older adult individuals with physical dysfunction in a variety of occupational challenges and degrees of disability. Admission to Occupational Therapy Assistant program is required.

OTA 202 MANAGEMENT OF OCCUPATIONAL THERAPY SERVICES

Units: 1.50 (1.50 units lecture)
CSU 27.00 hours lecture

Prerequisite: OTA-141

Explores key management principles and techniques tailored to the role of the occupational therapy assistant. Students will learn the roles and functions of the supervisor and the supervisee, scheduling, billing, and quality improvement. Field trips may be required. Admission to Occupational Therapy Assistant program is required.

OTA 212 EVIDENCE-BASED PRACTICE IN OCCUPATIONAL THERAPY INTERVENTIONS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: OTA-171 & OTA-171L

Analyzes therapeutic interventions that support purposeful activities (occupations) and will apply these interventions effectively, including family/caregiver training, environmental modifications, orthotics, prosthetics, assistive technology, and physical agent modalities. Students will evaluate the suitability of these methods in various contexts and will create individualized treatment plans that incorporate evidence-based techniques. Field trips may be required. Admission to the Occupational Therapy Assistant program is required.

OTA 222L CLINICAL COMPETENCY AND REASONING SKILLS LAB

Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Prerequisite: OTA-171 & OTA-171L

Provides hands-on lab experiences where students will develop clinical reasoning skills for occupational therapy practice to meet professional standards and reimbursement guidelines, creates and implements therapeutic adaptations for the client and environment, and progresses in problem- solving skills necessary for occupational therapy practice. Admission to Occupational Therapy Assistant program is required.

OTA 232 EXAM PREPARATION FOR OCCUPATIONAL THERAPY ASSISTANTS

Units: 1.00 (1.00 unit lecture)
CSU 18.00 hours lecture

Prerequisite: OTA-212 & OTA-222L

Prepares students for the National Exam for Occupational Therapy Assistants through targeted test-taking strategies, application of clinical and didactic knowledge to case study questions, and practice exams. Admission to the Occupational Therapy Assistant program is required.

OTA 233 OTA LEVEL II FIELDWORK: FIRST ROTATION

Units: 6.25 (0.25 units lecture, 6.00 units lab)
CSU 4.50 hours lecture, 324.00 hours lab

Prerequisite: OTA-222L

Provides structured, supervised off-site fieldwork experience that integrates the application of occupational therapy skills with real-world clinical practice. Students work full-time for eight weeks in diverse clinical settings, focusing on clients with physical and psychosocial dysfunction. Students are required to attend a weekly seminar focused on reflective practice and professionalism. This course is one of two clinical rotations (or courses) designed to provide comprehensive fieldwork experience. Admission to the Occupational Therapy Assistant program is required.

OTA 243 OTA LEVEL II FIELDWORK: SECOND ROTATION

Units: 6.25 (0.25 units lecture, 6.00 units lab)
CSU 4.50 hours lecture, 324.00 hours lab

Prerequisite: OTA-233

Provides structured, supervised off-site fieldwork experience that integrates the application of occupational therapy skills with real-world clinical practice. Students work full-time for eight weeks in diverse clinical settings, focusing on clients with physical and psychosocial dysfunction. Students are required to attend a weekly seminar focused on reflective practice and professionalism. This course is the second of two clinical rotations (or courses) designed to provide comprehensive fieldwork experience. Admission to the Occupational Therapy Assistant program is required.

OCEANOGRAPHY

Oceanography is the study of the ocean. It covers a wide range of topics, including marine ecosystem dynamics; ocean currents, waves and geophysical fluid dynamics; plate tectonics; geology of the sea floor; and fluxes of various chemical substances and physical properties within the ocean and across its boundaries. These diverse topics reflect multiple disciplines that further the knowledge of Earth's oceans and the processes that influence them: biology, chemistry, geology, meteorology, physics, and geography.

OCEAN 101 INTRODUCTION TO OCEANOGRAPHY

Units: 4.00 (4.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab

Studies Earth's oceans and their origin, sea floor features, sediments, coastal processes, circulation, waves, tides, seawater properties, and marine life. Field trips may be required.

OCEAN 119 MARINE BIOLOGY

Units: 4.00 (4.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab

Examines the description, distribution and natural history of marine organisms. Field trips may be required and may extend outside the assigned class times. Same as BIOSCI-119.

PARALEGAL

Associate in Arts Degree and Certificate of Achievement: Paralegal Studies

The paralegal profession continues to be one of the fastest growing professions in the United States. COC's Paralegal Studies curriculum prepares students for positions as paralegals in order to improve the accessibility, quality, and affordability of legal services. The Paralegal Studies program goals are to ensure that students who successfully complete the Paralegal Studies Program have a broad-based understanding of the American legal system and the role of the paralegal in that legal system; the legal theoretical background needed to perform paralegal tasks in substantive areas of law and legal specialties; the knowledge of procedural law emphasizing the paralegal's role in litigation, mediation, and arbitration; the skills in areas including investigation, legal research, legal technology, conducting an interview, and written and oral communications; ethically serve the public and the legal system; and the tools needed to become contributing members of the legal profession. Successful paralegals have excellent organizational skills and the ability to perform complex, detailed work quickly and accurately, as well as the ability to work well under pressure. Examples of tasks commonly delegated to paralegals include performing legal and public records research, obtaining and organizing evidence, interviewing clients and witnesses, conducting legal research, and drafting legal documents.

**The Paralegal Studies Certificate will be granted upon the completion of all required courses and only to students who possess an associate's degree or bachelor's degree from a regionally accredited institution. The ABA requires that programs must provide, and students must be required to take at least nine semester credits or the equivalent of legal specialty courses through synchronous instruction. Zoom instruction qualifies as synchronous instruction. To meet this requirement, PARLGL-106, PARLGL-111, and PARLGL-112 must be taken at College of the Canyons. The ABA stresses that paralegals may not provide legal services directly to the public except as permitted by law.*

Certificate Student Learning Outcome:
Students will be able to:

- Prepare legal documents and written communications applicable to various areas of law.
- Apply law and principles to hypothetical fact patterns.
- Prioritize competing deadlines and schedules to complete assignments timely.

Program Requirements:
Units Required: 31

		Units
PARLGL-101	Introduction to Law	3.0
PARLGL-104	Contract Law	3.0
PARLGL-105	Tort Law	3.0
PARLGL-106	Legal Analysis and Writing	3.0
PARLGL-107	Legal Ethics	1.0
PARLGL-108	Legal Research	3.0
PARLGL-109	Legal Technology	3.0
PARLGL-111	Civil Litigation I	3.0
PARLGL-112	Civil Litigation II	3.0
PARLGL-150	Family Law	3.0
PARLGL-200	Paralegal Seminar	1.0
	Plus a minimum of two units from the following:	
WE-186PLGL	Work Experience Education Paralegal	1.0 - 4.0
	Recommended electives:	
PARLGL-140	Bankruptcy	3.0
PARLGL-160	Workers' Compensation in California	3.0
PARLGL-170	Law for Business Organizations	2.0
PARLGL-180	Estate Planning	3.0
POLS-C1000	American Government and Politics	3.0
	OR	
POLS-C1000H	American Government and Politics - Honors	3.0

Associate in Arts for Transfer Degree: Law, Public Policy, and Society

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students

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2026 – 2027 PARALEGAL ASSOCIATE DEGREE GENERAL EDUCATION

These requirements are for students who are pursuing the Paralegal Studies degree and do not wish to transfer to the CSU or UC. Courses cannot be used to fulfill multiple GE areas. All courses must be completed with grades of "C -" or better. Courses approved in the GE areas below may not be Cal-GETC approved. See a counselor for details.

GE AREA 1 – ENGLISH COMPOSITION, ORAL COMMUNICATION, AND CRITICAL THINKING
(two courses: one from each group; six semester or eight quarter units)

1A – English Composition: **ENGL** C1000, C1000H

1B – Oral Communication and Critical Thinking: **COMM** C1000, C1000H, 120, 225, 227; **ENGL** C1001, C1001H, C1003; **PHILOS** 106, 206, 230; **PSYC** 103; **SOCI** 102, 108

GE AREA 2 – MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING
(one course, three semester or four quarter units)

CMPSCI 111, 132, 256; **MATH** 100, 102, 102X, 103, 103X, 104, 104X, 211, 211X, 212, 213, 214, 215, 240, 240X; **PSYC** 103; **SOCI** 102; **STAT** C1000, C1000E, C1000H

GE AREA 3 – ARTS AND HUMANITIES (one course: three semester or four quarter units)

ANTHRO 210, 220; **ARCHT** 114, 115; **ART** 100, 110, 115, 116; **ARTH** C1000, 1200; **BUS** 160; **CHNESE** 101, 102; **CINEMA** 120, 121, 122, 123, 127, 129, 131; **COMM** C1000, C1000H, 100, 150, 225, 246, 256, 260; **DANCE** 100; **ECON** 170, 170H; **ENGL** C1002, C1003, 105, 106, 108, 109, 122, 135, 200, 250, 251, 260, 261, 262, 263, 264, 270, 271, 272, 273, 274, 275, 280, 281; **FRNCH** 101, 102, 150, 201, 202; **GERMAN** 101, 102; **GMD** 120; **HIST** C1001, C1001H, C1002, C1002H, 101, 101H, 102, 115, 116, 117, 120, 120H, 130, 161, 191, 192, 193, 210, 212, 230, 240, 243; **HUMAN** 100, 115, 116, 150; **ID** 114, 115; **ITAL** 101, 102, 150; **KPET** 209; **LING** 101; **MEA** 101, 102; **MUSIC** 100, 105, 106, 107, 108, 109, 110, 112, 120A; **PHILOS** 101, 101H, 102, 110, 111, 112, 120, 130, 220, 225, 240, 250; **PHOTO** 140; **SIGN** 101, 102, 103, 104, 110; **SOC**I 200, 200H; **SPAN** 101, 101H, 102, 150, 201, 202, 211, 212, 240; **THEATR** 100, 110, 111, 210, 220, 240

GE AREA 4 – SOCIAL AND BEHAVIORAL SCIENCES (one course; three semester or four quarter units)

ANTHRO 103, 103H, 105, 120, 210, 220; **BUS** 126; **CCE** 200, 201; **COMM** 120, 235, 246, 256, 260, 270; **COUNS** 200; **ECE** 101, 102; **ECON** C2001, C2001H, C2002, C2002H, 170, 170H; **ENVRMT** 101; **ETHNST** 101, 102, 103, 104; **GEOGRPH** 102, 104, 105; **GLST** 101, 102; **HIST** C1001, C1001H, C1002, C1002H, 101, 101H, 102, 115, 116, 117, 120, 120H, 130, 161, 191, 192, 193, 210, 212, 230, 240, 243; **MEA** 100; **PHILOS** 130; **POLS** C1000, C1000H, 200, 210, 230, 250, 270, 290; **PSYC** C1000, C1000H, 103, 105, 109, 110, 126, 167, 172, 172H, 180, 225, 230, 235, 240; **SOCI** 101, 101H, 102, 103, 103H, 104, 105, 106, 107, 108, 110, 130, 200, 200H, 205, 207, 208, 210, 230, 233, 250; **SWSH** 110

GE AREA 5 – NATURAL SCIENCES (one course; three semester or four quarter units)

ANTHRO 101, 101H, 101L; **ASTRON** 100, 102, 104; **BIOSCI** 100, 100H, 101, 106, 106H, 107, 107H, 115, 116, 119, 130, 132, 140, 180, 201, 202, 204, 205, 221, 240; **CHEM** 100, 151, 151H, 201, 201H, 202, 255, 256; **ENVRMT** 103, 104; **GEOGRPH** 100, 101, 103, 105, 110; **GEOLOGY** 100, 101, 102, 103, 104, 105, 110, 111; **HLHSCI** 150; **OCEAN** 101, 119; **PHYSCI** 101; **PHYSIC** 101, 102, 110, 111, 210, 211, 220, 221, 222; **PSYC** 102

GE AREA 6 – ETHNIC STUDIES (one course, three semester or four quarter units)

ETHNST 101, 102, 103, 104

REQUIREMENTS ARE SUBJECT TO CHANGE

Note – Major Course Substitutions for Paralegal courses taken at other colleges:
College of the Canyons (COC) does not accept legal specialty courses from institutions that are not ABA approved or accredited by a COC recognized accrediting body. COC permits the transfer of up to **12 semester units (or 18 quarter units)** of legal specialty (paralegal) courses from an **ABA-approved program**, and up to **9 semester units (or 13.5 quarter units)** from a **non-ABA approved program**. Additional coursework may transfer as elective credit, but only the units within these limits may be used as substitutes for COC paralegal courses. If you have completed several paralegal courses at another institution, you may be limited in how many will count toward the COC Paralegal program.

Transfer courses will be evaluated based on their rigor, subject matter, delivery method (e.g., lecture, hybrid), topics covered, and the nature of assignments or projects. Having the same course name is not sufficient for approval. Prospective students are strongly encouraged to meet with the Paralegal Studies Department Chair before enrolling to discuss transfer credit options and develop a course plan.

To check if your previous school is ABA approved, visit:
https://www.americanbar.org/groups/paralegals/paralegal-resource-directory/.

For more information or to contact the department, go to: **https://www.canyons.edu/academics/paralegal/contact/index.php.**

intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Law, Society, and Public Policy. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

This degree is not affiliated with the ABA-approved Paralegal Studies degree and certificate.

Degree Student Learning Outcome:

Students will be able to analyze social science concepts and theories and examine diverse viewpoints within the context of modern society, law and/or public policy.

Program Requirements:

Units Required: 32 – 33

Select one course from each of the 8 areas below for 26 – 27 units:

		Units
Critical Thinking:		
COMM-225	Strategies of Argumentation	3.0
ENGL-C1001	Critical Thinking and Writing	3.0
ENGL-C1001H	Critical Thinking and Writing – Honors	3.0
PHILOS-206	Critical Reasoning and Analytical Writing	3.0
Ethics:		
PHILOS-120	Introduction to Ethics	3.0
Introduction to American Government:		
POLS-C1000	American Government and Politics	3.0
POLS-C1000H	American Government and Politics – Honors	3.0
Oral Communications:		
COMM-C1000	Introduction to Public Speaking	3.0
COMM-C1000H	Introduction to Public Speaking – Honors	3.0
COMM-120	Small Group Communication	3.0
Quantitative Reasoning:		
ECON-291	Statistical Method in Business and Economics	4.0
PSYC-104	Statistics for the Behavioral Sciences	4.0
SOCI-137	Statistics for the Social Sciences	4.0
STAT-C1000	Introduction to Statistics	4.0
STAT-C1000E	Introduction to Statistics	5.0
STAT-C1000H	Introduction to Statistics – Honors	4.0
Understanding the Law:		
ADMJUS-101	Introduction to Administration of Justice	3.0
ADMJUS-110	Principles and Procedures of the Justice System	3.0
ADMJUS-125	Criminal Law	3.0
BUS-211	Business Law	3.0
PARLGL-101	Introduction to Law	3.0
United States History:		
HIST-C1001	United States History to 1877	3.0
HIST-C1001H	United States History to 1877 – Honors	3.0
HIST-C1002	United States History Since 1865	3.0
HIST-C1002H	United States History Since 1865 – Honors	3.0
Written Communication:		
ENGL-C1000	Academic Reading and Writing	4.0
ENGL-C1000H	Academic Reading and Writing – Honors	4.0

Take at least one course from at least two separate areas below for a minimum of 6 units. Course cannot have already been used above.

Administration of Justice/Criminal Justice/ Criminology:		
ADMJUS-101	Introduction to Administration of Justice	3.0
ADMJUS-110	Principles and Procedures of the Justice System	3.0
ADMJUS-120	Introduction to Corrections	3.0
ADMJUS-125	Criminal Law	3.0
ADMJUS-135	Criminal Evidence	3.0
ADMJUS-185	Police-Community Relations	3.0
SOCI-250	Introduction to Criminology	3.0
Business:		
BUS-211	Business Law	3.0
College Success:		
COUNS-142	Learning to Learn	3.0
COUNS-150	Student Success	3.0
Diversity:		
ANTHRO-103	Cultural Anthropology	3.0
ANTHRO-103H	Cultural Anthropology – Honors	3.0
ANTRHO-210	Indigenous People of California	3.0
BUS-126	Managing Diversity in the Workplace	3.0
COMM-235	Intergeneration Communication	3.0
COMM-256	Interpersonal Communication	3.0
COMM-260	Communication and Gender	3.0
GEOGRPH-102	Human Geography	3.0
HIST-116	African American History to 1877	3.0
HIST-117	African American History since 1877	3.0
HIST-120	The Role of Women in the History of the United States	3.0

HIST-120H	The Role of Women in the History of the United States - Honors	3.0
HIST-130	Social and Cultural History of the United States	3.0
HIST-161	World History I	3.0
HIST-191	History of Eastern Civilization I	3.0
HIST-192	History of Eastern Civilization II	3.0
HIST-193	History of India	3.0
HIST-210	History of California	3.0
HIST-243	History of Mexico and the Mexican and Chicano Peoples	3.0
HLHSCI-243	Women and Health	3.0
POLS-290	Ethnic & Gender Politics	3.0
PSYC-230	Human Sexuality	3.0
PSYC-235	Psychology of Gender Roles	3.0
PSYC-240	Abnormal Psychology	3.0
PSYC-272	Adult Development and Aging	3.0
SOCI-101	Introduction to Sociology	3.0
SOCI-101H	Introduction to Sociology – Honors	3.0
SOCI-103	Sociology of Relationships	3.0
SOCI-103H	Sociology of Relationships – Honors	3.0
SOCI-104	Introduction to Social Justice	3.0
SOCI-105	Multicultural in the United States	3.0
SOCI-106	Introduction to Race and Ethnicity	3.0
SOCI-107	Introduction to Chicana/o Culture	3.0
SOCI-110	Self and Society	3.0
SOCI-130	Introduction to LGBTQ+ Studies	3.0
SOCI-200	Sociology of Gender	3.0
SOCI-200H	Sociology of Gender - Honors	3.0
SOCI-205	Society and the Environment	3.0
SOCI-207	Social Problems	3.0
SOCI-208	Sociology of Death and Dying	3.0
SOCI-210	Sociology of Deviance	3.0
SOCI-233	Sociology of the Life Course	3.0

Economics:

ECON-C2001	Principles of Microeconomics	3.0
ECON-C2001H	Principles of Microeconomics – Honors	3.0
ECON-C2002	Principles of Macroeconomics	3.0
ECON-C2002H	Principles of Macroeconomics – Honors	3.0

Internship/Fieldwork:

Any WE-186, or 189 course	1.0 – 4.0

Political Science:

POLS-200	Introduction to Political Science	3.0
POLS-230	Political Theory	3.0
POLS-250	Comparative Government and Politics	3.0
POLS-270	International Politics	3.0

Public Policy:

GLST-101	Introduction to Global Studies	3.0
GLST-102	Global Issues	3.0

Certificate of Achievement: Cal-LAW Scholar

The Cal-LAW Certificate of Achievement will assist the State Bar of California in its efforts to insure the legal profession reflects the diverse population of the State of California. This pathway creates a pipeline of diverse students from high schools, community colleges, four-year institutions, and law schools into law or law-related careers. This certificate is not affiliated with the ABA-approved Paralegal Studies degree and certificate.

Certificate Student Learning Outcome:

Demonstrate critical thinking through application and evaluation of information to arrive at a possible solution.

Program Requirements:

Units Required: 23 – 25

		Units
COMM-225	Strategies of Argumentation	3.0
ENGL-C1000	Academic Reading and Writing	4.0
	OR	
ENGL-C1000H	Academic Reading and Writing – Honors	4.0
ECON-291	Statistical Method in Business and Economics	4.0
	OR	
PSYC-104	Statistics for the Behavioral Sciences	4.0
	OR	
SOCI-137	Statistics for the Social Sciences	4.0
	OR	
STAT-C1000	Introduction to Statistics	4.0
	OR	
STAT-C1000E	Introduction to Statistics	5.0
	OR	
STAT-C1000H	Introduction to Statistics – Honors	4.0
PARLGL-101	Introduction to Law	3.0
POLS-C1000	Introduction to American Government and Politics	3.0
	OR	
POLS-C1000H	Introduction to American Government and Politics – Honors	3.0

American Institutions – Take one course from the following for three units:

ECON-170	Economics History of the United States	3.0
ECON-170H	Economics History of the United States - Honors	3.0
HIST-C1001	United States History to 1877	3.0

Continued on the next page.

HIST-C1001H	United States History to 1877 – Honors	3.0
HIST-C1002	United States History Since 1865	3.0
HIST-C1002H	United States History Since 1865 – Honors	3.0
HIST-116	African American History to 1877	3.0
HIST-117	African American History since 1877	3.0
HIST-120	The Role of Women in the History of the United States	3.0
HIST-120H	The Role of Women in the History of the United States – Honors	3.0
HIST-130	Social and Cultural History of the United States	3.0

Critical Thinking – Take one course from the following for three to four units:

COMM-227	Introduction to Rhetorical Criticism	3.0
ENGL-C1001	Critical Thinking and Writing	3.0
ENGL-C1001H	Critical Thinking and Writing – Honors	3.0
ENGL C1003	Critical Thinking and Writing through Literature	4.0
PHILOS-206	Critical Reasoning and Analytical Writing	3.0

PARLGL 101 INTRODUCTION TO LAW

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID LPPS 110

Provides an overview of the legal system and the practices within the legal profession, including the roles of paralegals and attorneys in the United States. Students will explore legal concepts, terminology, and theories while examining their application in a societal context.

PARLGL 104 CONTRACT LAW

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
Recommended Preparation: PARLGL-101

Examines contract law, including formation of contracts, statute of frauds, third-party rights and remedies, liability for breach of contract, and the Uniform Commercial Code.

PARLGL 105 TORT LAW

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
Recommended Preparation: PARLGL-101

Introduces tort law, including the study of negligence, strict liability and intentional torts.

PARLGL 106 LEGAL ANALYSIS AND WRITING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
Recommended Preparation: ENGL-C1000 or ENGL-C1000H

Examines the processes of analysis and writing found within the legal profession, including preparation of legal memoranda.

PARLGL 107 LEGAL ETHICS

Units: 1.00 (1.00 unit lecture)
CSU 18.00 hours lecture
Recommended Preparation: PARLGL-101

Examines legal ethics and rules of professional conduct, including unauthorized practice of law, confidentiality, conflicts of interest, advice, and solicitation, as they impact legal professionals working with diverse populations and in various settings.

PARLGL 108 LEGAL RESEARCH

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
Recommended Preparation: PARLGL-101

Covers legal research tools (hard copy and computer databases) and strategies, including primary authority (cases, statutes, regulations, and constitution) and secondary authority.

PARLGL 109 LEGAL TECHNOLOGY

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Presents the specific software applications and document preparation processes used in the legal profession. Familiarity with computer keyboarding and the Windows operating system is assumed.

PARLGL 111 CIVIL LITIGATION I

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines the basic procedures found within a civil law office, including pre-lawsuit considerations, jurisdiction, initial pleadings, challenges to and amending the pleadings, calendaring deadlines for early case events and pleadings, and the ethical standards imposed upon the legal profession.

PARLGL 112 CIVIL LITIGATION II

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
Recommended Preparation: PARLGL-111

Continues the examination of the basic procedures found within a civil law office, including discovery tools, calendaring discovery and trial deadlines, preparation for motion for summary judgment, trial, and appeal. Students continue to learn the importance of equitable treatment in civil disputes and the ethical standards imposed upon the legal profession.

PARLGL 140 BANKRUPTCY
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Overview of the basic functions, procedures, and role of paralegal involved when examining various forms of bankruptcy law. Introduces the techniques of intake, preparation, and filing of the necessary forms to resolve bankruptcy cases.

PARLGL 150 FAMILY LAW
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Provides an overview of the fundamentals of family law while exploring California law and court forms relating to dissolution of marriage, support orders, child custody, and restraining orders.

PARLGL 160 WORKERS' COMPENSATION IN CALIFORNIA
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines California Workers' Compensation laws and procedures from the occurrence of a work-related injury or illness through claim filing, resolution, and appeals, emphasizing the roles of the injured worker, employer, and insurance carrier.

PARLGL 170 LAW FOR BUSINESS ORGANIZATIONS
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces the formation, governance, and dissolution of business entities, including sole proprietorships, partnerships, corporations, limited liability companies, and franchises. Emphasizes statutory compliance, corporate finance, management structures, taxation, and ethical considerations.

PARLGL 180 ESTATE PLANNING
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Focuses on the preparation of wills and trusts, and explores life insurance, annuities, tax issues, and administration after death.

PARLGL 200 PARALEGAL SEMINAR
Units: 1.00 (1.00 unit lecture)
CSU 18.00 hours lecture
Prerequisite: PARLGL-101, 104, 105, 106, 107, 108, 109, 111, 112, 150

Provides the capstone course for the Paralegal Program. Students will write resumes, create portfolios, practice interviewing techniques, and develop skills necessary for employment as a paralegal in a diverse legal field.

PHARMACY TECHNOLOGY

Associate in Science Degree and Certificate of Achievement: Pharmacy Technology

The Pharmacy Technology program prepares students for entry-level pharmacy technician positions in various pharmacy settings. Students gain knowledge and skills in pharmacology, pharmacy calculations, sterile and non-sterile compounding, and retail and institutional pharmacy operations through classroom instruction and simulation lab. The program includes a required externship to provide practical experience in a pharmacy environment. Upon successful completion, students are qualified to apply for a California Pharmacy Technician license and sit for the Pharmacy Technician Certification Exam (PTCE) to earn the Certified Pharmacy Technician (CPhT) credential. This program will be submitted for national accreditation by the American Society of Health-System Pharmacists (ASHP) and Accreditation Council for Pharmacy Education (ACPE). Externship requires background checks, drug screenings, physical exams, immunization records, TB tests, and CPR certifications; specific sites may have additional requirements.

Eligibility for enrollment in this program is determined by a special admission procedure. Interested students should review the steps for program admission on the College of the Canyons Pharmacy Technology website. **www.canyons.edu/academics/pharmacytech/**

Degree and Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for entry-level employment as a pharmacy technician in various pharmacy settings.

Program Requirements:

Units Required: 18.5

		Units:
PHRMTEC-101	Introduction to Pharmacy Technology	3.0
PHRMTEC-102	Pharmacy Calculations	3.0
PHRMTEC-103	Pharmacology & Therapeutics for Pharmacy Technicians	3.0
PHRMTEC-104	Community Pharmacy Operations	2.5
PHRMTEC-104L	Community Pharmacy Lab	1.0
PHRMTEC-106	Institutional Pharmacy Practice	2.0
PHRMTEC-106L	Institutional Pharmacy and Sterile Compounding Lab	1.0
PHRMTEC-108	Pharmacy Clinical Experience I	3.0

Continued on the next page.

PHRMTEC 101 INTRODUCTION TO PHARMACY TECHNOLOGY

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines the history of pharmacy practice and explores the vital role of Pharmacy Technicians across healthcare settings. Content covered includes drug research, regulatory agencies, safety protocols, ethics, Health Insurance Portability and Accountability Act (HIPAA), and pharmacy law. This course emphasizes cultural competency, communication skills, and professionalism in diverse healthcare settings. Admission to the Pharmacy Technology Program is required.

PHRMTEC 102 PHARMACY CALCULATIONS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Provides students with the foundational numeric and calculation skills required to accurately dispense and prepare medications in the pharmacy setting. Students will learn prescription interpretation, dosage determination, and conversion between measurement systems. Additionally, the course covers advanced topics for compounding injectable medications, dilutions, alligations, and business-related calculations, preparing students for diverse roles in pharmacy settings. Admission to the Pharmacy Technology Program is required.

PHRMTEC 103 PHARMACOLOGY & THERAPEUTICS FOR PHARMACY TECHNICIANS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces pharmacological concepts, drug classifications, therapeutic uses, side effects, dosage forms, and routes of administration. Examines concepts in drug development, alternative therapies, medication errors, drug usage, basic anatomy and physiology, and regulatory oversight. Admission to the Pharmacy Technology Program is required.

PHRMTEC 104 COMMUNITY PHARMACY OPERATIONS

Units: 2.50 (2.50 units lecture)
CSU 45.00 hours lecture

Provides an overview of community pharmacy operations, safety protocols, compounding standards, and the roles of pharmacy technicians. Covers prescription processing, medication dispensing, inventory management, insurance adjudication, and legal/ethical standards in a community pharmacy setting. Admission to the Pharmacy Technology Program is required.

PHRMTEC 104L COMMUNITY PHARMACY LAB

Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Prerequisite: PHRMTEC-101, 104

Provides students with the hands-on skills required for community pharmacy practice, such as medication management, prescription processing, creating patient instructions, conducting point-of-care testing, and preparation of non-sterile products such as syrups and ointments. An emphasis on professionalism, ethical conduct, and legal compliance. Admission to the Pharmacy Technology Program is required.

PHRMTEC 106 INSTITUTIONAL PHARMACY PRACTICE

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Prerequisite: PHRMTEC-101, 102

Examines pharmacy practices in institutional settings, focusing on the critical roles of pharmacists and technicians and regulatory standards. Content covered includes medication safety, drug distribution systems, medication reconciliation, the United States Pharmacopeia (USP) <797> and <800> for sterile preparation of intravenous products, and the management of hazardous materials. Admission to the Pharmacy Technology Program is required.

PHRMTEC 106L INSTITUTIONAL PHARMACY AND STERILE COMPOUNDING LAB

Units: 1.00 (1.00 unit lab)
CSU 54.00 hours lab

Prerequisite: PHRMTEC-101, 102

Provides students with the hands-on application of sterile compounding using aseptic techniques in simulated pharmacy environments. This course emphasizes inpatient pharmacy practices, cultural competence, medication distribution, reconciliation, handling of hazardous drugs, and labeling final preparations according to the United States Pharmacopeia (USP) guidelines. Admission to the Pharmacy Technology Program is required.

PHRMTEC 108 PHARMACY CLINICAL EXPERIENCE I

Units: 3.00 (3.00 units lab)
CSU 162.00 hours lab
Prerequisite: PHRMTEC-103, 104L, 106L

Provides entry-level, hands-on experience in various pharmacy settings under the supervision of a licensed pharmacist. Students will apply their classroom knowledge in real-world pharmacy settings and navigate the complexities of pharmacy operations while developing an understanding of diverse patient needs. Completion with a passing grade in PHRMTEC 101, 102, 103, 104, 104L, 106, and 106L required prior to enrollment. Must meet the clinical experience admission criteria.

PHILOSOPHY

Philosophy is the activity of trying to make sense of our world through sustained and rigorous thinking about the most difficult questions rooted in the minds of human beings. Thus, the study of philosophy invites reflection upon and analysis of the nature of reality, value, and the self. Courses in philosophy offer students the opportunity for self-development and the building of a coherent view of world and culture. Majoring in philosophy is an excellent way to develop skills in argument analysis, as well as critical reasoning, and thus is relevant to understanding problems and evaluating solutions in any area of study or employment. The study of philosophy is excellent preparation for careers in law, journalism, politics, and university teaching. Study in philosophy does not focus on what to think, but on how to think. The program in philosophy is designed as preparation for transfer to a four-year university with a major in philosophy, humanities, or any liberal arts discipline.

Associate in Arts for Transfer Degree: Philosophy

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Philosophy. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:
Students will be able to critically engage with the world of ideas, both historical and contemporary, enabling them to interpret and understand their place in the world as citizens and active participants in the expression of human culture and values.

Program Requirements:
Units Required: 18

		Units
PHILOS-230	Symbolic Logic	3.0
	Plus three units from the following:	
PHILOS-101	Introduction to Philosophy	3.0
PHILOS-101H	Introduction to Philosophy – Honors	3.0
PHILOS-120	Introduction to Ethics	3.0
	Plus three units from the following:	
PHILOS-110	History of Ancient Philosophy	3.0
PHILOS-111	History of Modern Philosophy	3.0
	Plus six units from the following:	
PHILOS-225	Introduction to Philosophy of Religion	3.0
PHILOS-240	Contemporary Moral Problems	3.0
	Plus three units from the following that have not already been selected form the courses listed above:	
PHILOS-102	Introduction to Eastern Religion & Philosophy	3.0
PHILOS-110	History of Ancient Philosophy	3.0
PHILOS-111	History of Modern Philosophy	3.0
PHILOS-112	History of Philosophy - 20th Century Philosophy	3.0
PHILOS-130	Introduction to Social and Political Philosophy	3.0
PHILOS-220	Introduction to Comparative Religion	3.0
PHILOS-250	Environmental Ethics	3.0

Associate in Arts Degree: Philosophy

Degree Student Learning Outcome:
Students will be able to critically engage with the world of ideas, both historical and contemporary, enabling them to interpret and understand their place in the world as citizens and active participants in the expression of human culture and values.

Program Requirements:
Units Required: 21

		Units
PHILOS-101	Introduction to Philosophy	3.0

Continued on the next page.

OR

PHILOS-101H Introduction to Philosophy – Honors 3.0

Plus three units from the following:

PHILOS-106 Introduction to Argument 3.0

OR

PHILOS-206 Critical Reasoning and Analytic Writing 3.0

OR

PHILOS-230 Symbolic Logic 3.0

Plus three units from the following:

PHILOS-120 Introduction to Ethics 3.0

OR

PHILOS-240 Contemporary Moral Problems 3.0

Plus three units from the following:

PHILOS-110 History of Ancient Philosophy 3.0

OR

PHILOS-111 History of Modern Philosophy 3.0

Plus three units from the following:

PHILOS-102 Introduction to Eastern Religion & Philosophy 3.0

OR

PHILOS-220 Introduction to Comparative Religion 3.0

OR

PHILOS-225 Introduction to Philosophy of Religion 3.0

Plus three units from the following:

PHILOS-112 History of Philosophy - 20th Century Philosophy 3.0

OR

PHILOS-130 Introduction to Social and Political Philosophy 3.0

OR

PHILOS-250 Environmental Ethics 3.0

Plus three additional units from any of the above courses that have not yet been taken 3.0

PHILOS 101 INTRODUCTION TO PHILOSOPHY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PHIL 100

Introduces major western and non-western philosophical ideas, philosophical figures, and philosophical issues, relating to theory of knowledge, nature of reality, the mind-body problem, philosophy of religion, political philosophy, and ethical theory.

PHILOS 101H INTRODUCTION TO PHILOSOPHY – HONORS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PHIL 100

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

Introduces major western and non-western philosophical ideas, philosophical figures, and philosophical issues, relating to theory of knowledge, nature of reality, the mind-body problem, philosophy of religion, political philosophy, and ethical theory. Honors component requires expanded and more complex reading and writing assignments.

PHILOS 102 INTRODUCTION TO EASTERN RELIGION AND PHILOSOPHY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Explores philosophies contained in Hinduism, Buddhism, Confucianism, Taoism and Shinto.

PHILOS 106 INTRODUCTION TO ARGUMENT

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces reasoning skills for evaluating and understanding arguments, including deductive and inductive logic, identifying common fallacies and evaluating beliefs, claims, and forms of evidence. UC credit limitation: PHILOS-106 and SOCI-108 combined, maximum credit one course.

PHILOS 110 HISTORY OF ANCIENT PHILOSOPHY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PHIL 130

Explores the central ideas pursued by ancient philosophers, with special emphasis on the Greek philosophers from the Pre-Socratics through Aristotle and may also include the ideas of Hellenistic, Roman, medieval, or non-western thinkers.

PHILOS 111 HISTORY OF MODERN PHILOSOPHY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PHIL 140

Explores developing Western philosophical thought from the 16th through the 18th centuries with special emphasis on the implications of empiricism and rationalism in epistemology and metaphysics from Descartes through Kant; may include approximate precursors and successors.

PHILOS 112 HISTORY OF PHILOSOPHY - 20TH CENTURY PHILOSOPHY
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

A survey of philosophical activity relating to the notions of human nature, the place of individuals in history, and the determination of value and choice in the 20th Century including European existentialism, analytical philosophy, recent thinkers and movements.

PHILOS 120 INTRODUCTION TO ETHICS
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PHIL 120

Surveys the major classical and contemporary ethical theories with emphasis on their application to typical life situations in a modern society.

PHILOS 130 INTRODUCTION TO SOCIAL AND POLITICAL PHILOSOPHY
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces major philosophical issues surrounding the nature of society and justifications for the authority of the state, focusing on how the concepts of the common good, individual rights, liberty, equality, and democracy relate to notions of justice, private property and the legitimate use of state power.

PHILOS 206 CRITICAL REASONING AND ANALYTICAL WRITING
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID ENGL 105

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

Develops and refines the critical thinking skills necessary to formulate and evaluate argumentative essays. Students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies. This course emphasizes argumentation and critical writing, critical thinking, analytical evaluation of texts, research strategies, information literacy, and evidence. Students will write a minimum of 5,000 words.

PHILOS 220 INTRODUCTION TO COMPARATIVE RELIGION
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys major world religions, Eastern and Western, including historical roots, major doctrines and figures, and central philosophical concerns.

PHILOS 225 INTRODUCTION TO PHILOSOPHY OF RELIGION
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Recommended Preparation: PHILOS-101 or PHILOS-101H and PHILOS-220

Surveys philosophical problems relating to religious belief, including the existence of God, religious experience, the relationship between faith and reason, concepts of God, religion and ethics, miracles, religious language, the problem of evil, personal destiny, and religious diversity.

PHILOS 230 SYMBOLIC LOGIC
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PHIL 210

Recommended Preparation: PHILOS-101 or PHILOS-101H

Introduces symbolism and methods of modern logic, including translation of arguments in English into formal logic, development of the idea of logical validity, evaluation of arguments by using truth tables and methods of natural deduction.

PHILOS 240 CONTEMPORARY MORAL PROBLEMS
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces ethical theory and applied contemporary moral issues in areas such as medicine, business, health care, technology and the environment.

PHILOS 250 ENVIRONMENTAL ETHICS
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Recommended Preparation: PHILOS-101 or PHILOS-101H

Examines complex moral issues raised by human interactions with non-human animals and the natural world, including pollution, climate change, sustainability, ecofeminism, animal rights, developing countries, property rights, fossil fuel dependency, deep ecology, “Green” politics, species preservation, rights and duties to nature, and the need for developing new, “clean” technologies.

PHILOS 450 ENVIRONMENTAL ETHICS IN A CHANGING WORLD
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines competing ethical theories and principles, as well as their application to environmental concerns. This includes green technologies, building design, resource allocation, land use, climate change, environmental justice, racial inequality, sustainability, consumption, conservation, and natural and social goods. Upper division course, registration is limited to students with Senior Standing in the Bachelor of Science in Building Performance Degree program.

PHOTOGRAPHY

Associate in Arts Degree: Photography

This program offers an associate degree in photography. The primary goal of this degree is to provide the student with a foundation of knowledge and technical abilities in photography. All lower-division courses are sequenced to optimize transferability to an art or photography program at a four-year university. The associate degree in photography provides students with basic photographic competencies.

Degree Student Learning Outcome:
Students will be able to demonstrate proficiency in the core academic skills and knowledge required for transfer into a photography program at a four-year college or university.

Program Requirements:
Units Required: 30

		Units
ARTH-C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ARTH-C1200	Survey of Art from the Renaissance to Contemporary	3.0
ART-125A	Fundamentals of Drawing	3.0
ART-140	Beginning Design: Two-Dimensional Media	3.0
ART-141	Beginning Design: Three-Dimensional Media	3.0
PHOTO-140	History of Photography	3.0
PHOTO-150	Introduction to Cameras and Composition	3.0
PHOTO-155	Photography I	3.0
	OR	
PHOTO-160	Black and White Photography	3.0

Plus six units from the following:

PHOTO-120	Photographic Studio Etiquette	1.0
PHOTO-156	Photography II	3.0
PHOTO-157	Digital Imaging	3.0
PHOTO-177	Video Capture for Still Photographers	3.0
PHOTO-191	Photographic Studio Fundamentals I	3.0
PHOTO-192	Photographic Studio Fundamentals II	3.0
PHOTO-195	Color Photography	3.0
PHOTO-201	Independent Projects in Photography	3.0
PHOTO-215	Photojournalism and News Photography	3.0
PHOTO-220	The Business of Photography	3.0
PHOTO-285	Concept Development	3.0

Associate in Arts Degree: Commercial Photography

Provides students with a foundation of knowledge and technical abilities to gain an entry-level position in a career related to commercial photography, such as a commercial photographer, digital imaging technician, event photographer, commercial assistant photographer, photography laboratory technician, photographic restoration specialist, wedding photographer, portrait photographer, or advertising photographer.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills such as digital photography, image retouching, and lighting, and knowledge required for employment in a commercial photography position.

Program Requirements:
Units Required: 34

		Units:
PHOTO-120	Photographic Studio Etiquette	1.0
PHOTO-140	History of Photography	3.0
PHOTO-155	Photography I	3.0
PHOTO-156	Photography II	3.0
PHOTO-157	Digital Imaging	3.0
PHOTO-191	Photographic Studio Fundamentals I	3.0
PHOTO-192	Photographic Studio Fundamentals II	3.0
PHOTO-220	The Business of Photography	3.0

Plus one Video course from the following:

PHOTO-177	Video Capture for Still Photographers	3.0
MEA-120	Introduction to Cinematography	3.0

Plus two Photography courses from the following:

PHOTO-160	Black and White Photography	3.0
PHOTO-195	Color Photography	3.0
PHOTO-215	Photojournalism and News Photography	3.0

Plus one Capstone course from the following:

PHOTO-201	Independent Projects in Photography	3.0
PHOTO-285	Concept Development	3.0

Certificate of Achievement: Commercial Photography

This program is designed to prepare a student for an entry-level position in a career related to commercial photography such as commercial photographer, digital imaging technician, event photographer, commercial

assistant photographer, photography laboratory technician, photography restoration specialist, wedding photographer, portrait photographer, or advertising photographer.

Certificate Student Learning Outcome:
Students will be able to demonstrate and apply the technical skills and principles of commercial photography.

Program Requirements:
Units Required: 23

		Units
PHOTO-120	Photographic Studio Etiquette	1.0
PHOTO-155	Photography I	3.0
PHOTO-156	Photography II	3.0
PHOTO-157	Digital Imaging	3.0
PHOTO-177	Video Capture for Still Photographers	3.0
PHOTO-191	Photographic Studio Fundamentals I	3.0
PHOTO-192	Photographic Studio Fundamentals II	3.0
PHOTO-220	The Business of Photography	3.0

Plus a minimum of one units from the following:

WE-186PHOT	Work Experience Education Photography	1.0 – 4.0

PHOTO 092L BLACK AND WHITE LAB PRACTICES

Units: 1.00 (1.00 unit lab)
54.00 hours lab

Explores lab practices for students currently enrolled in black and white photography who wish to increase basic skills through the photography lab. Note: Students must attend faculty-supervised weekly scheduled class time posted in the schedule. Hours must be accrued at a time separate from any other class in which the student is registered. This course is not required for any certificate or degree in the photography program. Offered pass/no-pass only. Units do not apply to associate or baccalaureate degrees.

PHOTO 093L DIGITAL LAB PRACTICES

Units: 1.00 (1.00 unit lab)
54.00 hours lab

Explores lab practices for students currently enrolled in digital photography who wish to increase basic skills through the use of the photography lab. Note: Students must attend faculty supervised weekly scheduled class time posted in printed schedule. Hours must be accrued at a time separate from any other class in which the student is also registered. This course is not a required course for any certificate or degree in the photography program. Offered pass/no-pass only. Units do not apply to associate or baccalaureate degrees.

PHOTO 094L STUDIO LAB PRACTICES

Units: 1.00 (1.00 unit lab)
54.00 hours lab

Explores lab practices for students currently enrolled in studio photography who wish to increase basic skills through the use of the photography lab. Note: Students must attend faculty supervised weekly scheduled class time posted in printed schedule. Hours must be accrued at a time separate from any other class in which the student is also registered. This course is not a required course for any certificate or degree in the photography program. Offered pass/no-pass only. Units do not apply to associate or baccalaureate degrees.

PHOTO 095L CHROMOGENIC COLOR LAB PRACTICES

Units: 1.00 (1.00 unit lab)
54.00 hours lab

Explores lab practices for students currently enrolled in color photography who wish to increase basic skills through the use of the photography lab. Note: Students must attend faculty supervised weekly scheduled class time posted in printed schedule. Hours must be accrued at a time separate from any other class in which the student is also registered. This course is not a required course for any certificate or degree in the photography program. Offered pass/no-pass only. Units do not apply to associate or baccalaureate degrees.

PHOTO 120 PHOTOGRAPHIC STUDIO ETIQUETTE

Units: 1.00 (1.00 unit lecture)
CSU 18.00 hours lecture

Explores professional etiquette and appropriate practices for assisting and working in the photographic studio, interacting with professional photographers, art directors, clients, and other personnel.

PHOTO 140 HISTORY OF PHOTOGRAPHY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Explores the history and appreciation of photography from the nineteenth century to present, including the relationship between photography and history, culture, technology, art, social values, and other concerns.

PHOTO 150 CAMERAS AND COMPOSITION

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces the fundamental historical development, theory, technology, and basic applications of photography. Examines principles and analysis of artistic and aesthetic qualities of photographic images through group interaction and discussion. Provides demonstration, analysis of function, and technical experience with single-lens reflex cameras. It is recommended students provide a digital or 35mm film SLR camera capable of manual exposure and adjustment. UC credit limitation: PHOTO-150 and PHOTO-160, credit for one course only.

Continued on the next page.

PHOTO 155 PHOTOGRAPHY I

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Introduces the fundamental concepts, terminology, and techniques of photography and camera RAW, including the theory and basic principles of image correction and print technologies. It is recommended that students provide a digital SLR camera capable of manual exposure and adjustment.

PHOTO 156 PHOTOGRAPHY II

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: PHOTO-155 or PHOTO-160

Refines and builds upon the fundamental concepts and techniques of photography and camera RAW, integrating basic concept development and execution of the creative process through a thematic approach.

PHOTO 157 DIGITAL IMAGING

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
UC:CSU 36.00 hours lecture, 54.00 hours lab

Introduces the fundamental concepts, terminology, techniques, and applications of digital imaging using industry standard software such as Adobe Photoshop. Explores both the technical aspects of digital image manipulation and the artistic aspects of design, color, and composition in the creation of digital art.

PHOTO 160 BLACK AND WHITE PHOTOGRAPHY

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
UC:CSU 36.00 hours lecture, 54.00 hours lab

Introduces mechanical and artistic principles in recording photographic images using a 35mm SLR camera and printing black and white images including basic history and fundamental mechanics, optics, chemistry, and lighting principles of black and white photography. UC credit limitation: PHOTO-150, 160, and 285 combined, maximum credit one course

PHOTO 177 VIDEO CAPTURE FOR STILL PHOTOGRAPHERS

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: PHOTO-150 or PHOTO-155

Explores video as a tool in supplementing still photographic projects and provides the basic technical skills to capture video content, utilizing a DSLR camera. Develops the skill set to record video in tandem with still photography including photographic and video narrative, cinematic composition and camera movement techniques, lighting, and basic sound recording. Provides basic techniques for video editing.

PHOTO 191 PHOTOGRAPHIC STUDIO FUNDAMENTALS I

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Explores the fundamentals of photographic studio techniques, concentrating on continuous lighting equipment and impact of lighting arrangements on the photographic image for portrait and basic product in studio.

PHOTO 192 PHOTOGRAPHIC STUDIO FUNDAMENTALS II

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: PHOTO-191

Explores intermediate photographic studio lighting techniques, concentrating on electronic flash and strobe lighting equipment, impact of lighting arrangements on the photographic image for intricate, reflective, high key, and low key subjects, and capture in studio.

PHOTO 195 COLOR PHOTOGRAPHY

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: PHOTO-155 or PHOTO-160

Presents the principles of light and color in digital or film photography and the practice of exposure and color printing. Students are recommended to furnish a fully manual/adjustable 35mm film or digital SLR camera.

PHOTO 201 INDEPENDENT PROJECTS IN PHOTOGRAPHY

Units: 3.00 (1.00 unit lecture, 2.00 units lab)
CSU 18.00 hours lecture, 108.00 hours lab

Prerequisite: PHOTO-150 or PHOTO-155 or PHOTO-160

Provides intermediate and advanced photography students an opportunity to research, propose, revise and complete individual photographic projects. Offered pass/no-pass only.

PHOTO 215 PHOTOJOURNALISM AND NEWS PHOTOGRAPHY

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: MEA-120 or PHOTO-150 or PHOTO-155 or PHOTO-160

Introduces contemporary photojournalism and news photography through applications of theory and concepts of visual communication to digital photographic processes to produce news stories, photographic series, and photo-essays. Note: It is recommended that students have access to a Digital SLR camera with manual exposure and interchangeable lenses.

PHOTO 220 THE BUSINESS OF PHOTOGRAPHY

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces the business of photography, including training and planning strategies in budgeting, marketing plans, client relations, contracts and forms, creating portfolios, pricing, risk management, and intellectual property.

PHOTO 285 CONCEPT DEVELOPMENT

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
UC:CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: PHOTO-155 or PHOTO-160

Presents advanced theory, concept development and execution of the creative process in Photography 155 or 160. UC credit limitation: PHOTO-150, 160, and 285 combined, maximum credit one course

PHYSICAL SCIENCE

Physical Science classes prepare students to understand and appreciate nature and become knowledgeable about fundamental forces in nature, the basic principles behind modern technology and energy sources, and the role of science in everyday life. Physical Science may be utilized in such professions as teaching, serving as a technical administrator in government and industry, or completing legal work with patents, scientific librarianship, and scientific journalism.

PHYSCI 101 CONCEPTUAL PHYSICAL SCIENCE

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab
C-ID PHYS 140

Prerequisite: Completion of intermediate algebra or higher math placement

Examines the science in the world around you, like inertia, gravity, and chemical reactions, and investigates phenomena with weekly lab investigations that utilize common materials. Immerse yourself in learning by doing as you analyze rockets, cars, and the chemicals in your home. Prepare to embark on a future of being an educator and being scientifically literate with knowledge of how physics and chemistry applies to everyday life. UC credit limitation: No credit if taken after a college level course in physics or chemistry.

PHYSICAL THERAPIST ASSISTANT

Associate in Science Degree: Physical Therapist Assistant

Physical Therapy is a healthcare profession whose practitioners work in a variety of settings including hospitals, private practice, outpatient clinics, home health agencies, schools, sport and fitness facilities, skilled nursing facilities, and industrial settings. The Physical Therapist Assistant (PTA) is a member of the health care team who provides physical therapy services under the direction and supervision of a licensed physical therapist. The PTA helps people from all age groups with health or medical problems who have limited ability to move or perform functional activities in their daily lives. The PTA, once graduated and licensed, provides care through instruction to patients/clients' exercises for range of motion, strength, and coordination along with mobility training for functional activities such as gait, transfers, and bed mobility with varying assistive devices, and functional training throughout the lifespan. The PTA is also skilled in massage and usage of modalities/physical agents such as electrical stimulation or ultrasound and cryotherapy/thermotherapy.

Graduation from a physical therapist assistant education program accredited by the Commission on Accreditation in Physical Therapy Education, 3030 Potomac Ave., Suite 100, Alexandria, Virginia 22305-3085; phone; 703-706-3245; **accreditation@apta.org** is necessary for eligibility to sit for the licensure examination, which is required in all states. Candidacy is considered to be an accredited status, as such the credits and degree earned from a program with Candidacy status are considered, by CAPTE, to be from an accredited program. Therefore, students in the charter (first) class should be eligible to take the licensure exam even if CAPTE withholds accreditation at the end of the candidacy period. That said, it is up to each state licensing agency, not CAPTE, to determine who is eligible for licensure. Information on licensing requirements should be directed to the Federation of State Boards of Physical Therapy (FSBPT; **www.fsbpt.org**) or specific state boards (a list of state boards and contact information is available on FSBPT's website.

Effective April 29, 2025, College of the Canyons has been granted Candidate for Accreditation status by the Commission on Accreditation in Physical Therapy Education (3030 Potomac Ave., Suite 100, Alexandria, Virginia 22305-3085; phone: 703-706-3245; email **accreditation@apta.org**. If needing to contact the program/institution directly, please call (661) 362-3557 or email **ptainfo@canyons.edu**.

Continued on the next page.

Candidate for Accreditation is an accreditation status of affiliation with the Commission on Accreditation in Physical Therapy Education that indicates the program may matriculate students in technical/professional courses. Achievement of Candidate for Accreditation status does not assure that the program will be granted Initial Accreditation.

Eligibility for enrollment in this program is determined by a special admission procedure. Interested persons should review program information on the **College of the Canyons Physical Therapist Assistant** website.

A grade of 78% or better must be maintained in all courses to continue in the program. Course repetition in this program is not permitted. Course repetition in this program is not permitted. Courses must be taken in sequence. Failure to successfully complete a course requires dismissal from the program, with readmission allowed only upon successful completion of the Readmission Policy and Procedure found in the PTA Student Handbook.

Clinical Experience Requirement:

Students accepted into this program must successfully complete classes which require supervised clinical practice in hospitals, clinics, and other settings. These facilities may require criminal background checks and health screenings, including fingerprinting and drug screening, as a condition of placement to work at that facility. Refusal to submit to a background check, or failure to meet clearance criteria established by a given healthcare facility may prevent placement in clinical experience courses and therefore make it impossible to successfully complete the program.

Healthcare facilities also require adherence to strict standards of conduct. Facilities may refuse educational access to any person who does not adhere to the facility's standards of safety, health, and behavior. Failure to meet such standards may be cause for dismissal from the program.

Degree Student Learning Outcome:
Students will be able to demonstrate entry-level clinical competency in the management of patients/clients with diseases and conditions representative of those commonly seen in practice across the lifespan and the continuum of care as required by state and national standards.

Program Requirements:
Units Required: 49.50

		Units:
PTA-100	Preparing for Careers in Physical Therapy	3.0
PTA-105	Patient Management for the Physical Therapist	2.0
PTA-105L	Patient Management for the Physical Therapist	1.5
PTA-110	Pathophysiology for the Physical Therapist Assistant	3.0
PTA-120	Clinical Kinesiology for the Physical Therapist Assistant	3.0
PTA-120L	Clinical Kinesiology for the Physical Therapist Assistant Lab	2.0
PTA-130	Evidence-Based Physical Therapy	1.0
PTA-201	Physical Agents	2.0
PTA-201L	Physical Agents Lab	1.5
PTA-205	Development, Growth, and Aging	2.0
PTA-220	Orthopedic Rehabilitation	2.0
PTA-220L	Orthopedic Rehabilitation Lab	1.5
PTA-225	Professional Practice for the Physical Therapist Assistant	3.0
PTA-240	Neurological Rehabilitation	2.0
PTA-240L	Neurological Rehabilitation Lab	1.5
PTA-242	Cardiopulmonary and Integumentary Physical Therapy	2.0
PTA-242L	Cardiopulmonary and Integumentary Physical Therapy Lab	1.5
PTA-244	Physical Therapy for Special Populations	2.0
PTA-244L	Physical Therapy for Special Populations Lab	1.5
PTA-250	Clinical Experience I	2.5
PTA-252	Clinical Experience II	3.5
PTA-254	Clinical Experience III	3.5
PTA-260	Physical Therapist Assistant Seminar	1.0
PTA-262	Physical Therapist Assistant Case Study	1.0

PTA 100 PREPARING FOR CAREERS IN PHYSICAL THERAPY

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces a comprehensive overview of the field of Physical Therapy, from its historical beginnings to the present day. Content covered includes the roles of Physical Therapists (PTs) and Physical Therapist Assistants (PTAs) in the treatment and management of musculoskeletal, cardiopulmonary, neurological, and integumentary disorders. This course is designed for students interested in applying to PT or PTA professional programs. Field trips are optional.



PTA 105 PATIENT MANAGEMENT FOR THE PHYSICAL THERAPIST ASSISTANT

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Co-requisite: PTA-105L

Introduces the skills and knowledge needed to safely and effectively perform basic physical therapy interventions and data collection tasks in a variety of settings. The course emphasizes essential data collection and documentation skills, uncomplicated interventions, communication skills, ethics, cultural competence, and safety considerations. Admission to Physical Therapist Assistant program is required.

PTA 105L PATIENT MANAGEMENT FOR THE PHYSICAL THERAPIST ASSISTANT LAB

Units: 1.50 (1.50 units lab)
CSU 90.00 hours lab

Co-requisite: PTA-105

Provides students with the hands on skills necessary to safely and effectively employ basic data collection and interventions performed in the practice of physical therapy. Laboratory component of PTA-105. Admission to Physical Therapist Assistant program is required.

PTA 110 PATHOPHYSIOLOGY FOR THE PHYSICAL THERAPIST ASSISTANT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines the pathological states of the human body systems, with an emphasis on conditions that affect function and mobility, which includes musculoskeletal, neurologic, cardiopulmonary, gastrointestinal, and genitourinary conditions. Students will explore impairments of body structures and functions, activity restrictions, and participation in major life activities, as well as common red flag items and their impact on decision-making before, during, and after treatment by the Physical Therapist Assistant. Admission to Physical Therapist Assistant program is required.

PTA 120 CLINICAL KINESIOLOGY FOR THE PHYSICAL THERAPIST ASSISTANT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Co-requisite: PTA-120L

Examines the kinesiology and anatomy of the musculoskeletal and neuromuscular systems, with an emphasis on musculoskeletal anatomy and physiology, arthrokinematics, static and dynamic movement systems, and associated clinical applications. Admission to Physical Therapist Assistant program is required.

PTA 120L CLINICAL KINESIOLOGY FOR THE PHYSICAL THERAPIST ASSISTANT LAB

Units: 2.00 (2.00 units lab)
CSU 108.00 hours lab

Co-requisite: PTA-120

Provides students with the hands on application of kinesiology to physical therapy treatment, with an emphasis on musculoskeletal anatomy and physiology, arthrokinematics, static and dynamic movement systems, and associated clinical applications. Students will learn how to assess joint range of motion, muscle strength, posture and gait, and develop surface palpation skills. Laboratory component of PTA-120. Admission to Physical Therapist Assistant program is required.

PTA 130 EVIDENCE-BASED PHYSICAL THERAPY

Units: 1.00 (1.00 unit lecture)
CSU 18.00 hours lecture

Examines the importance of evidence-based practice in physical therapy. Students will learn how to assist physical therapists in critically evaluating and incorporating professional literature into clinical decision-making. Additionally, students will develop their own skills in using evidence to inform their professional communication and patient management as Physical Therapist Assistants. Admission to Physical Therapist Assistant program is required.

PTA 201 PHYSICAL AGENTS

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Co-requisite: PTA-201L

Introduces the principles of therapeutic modalities and how to apply them safely and effectively. The course will cover a variety of modalities, including ultrasound, ice/heat, electrotherapy, laser light therapy, biofeedback, soft tissue mobilization, manual/mechanical traction, diathermy, and hydrotherapy. Students will also learn about universal precautions and infection control procedures. Admission to Physical Therapist Assistant program is required.

PTA 201L PHYSICAL AGENTS LAB

Units: 1.50 (1.50 units lab)
CSU 90.00 hours lab

Co-requisite: PTA-201

Provides hands-on instruction in the application of selected therapeutic modalities. Students will learn the basic techniques for using ultrasound, ice/heat, electrotherapy, laser light therapy, biofeedback, soft tissue mobilization, manual/mechanical traction, and hydrotherapy. Emphasis placed on patient safety and the importance of infection control. Universal precautions and infection control procedures are presented with each modality. Laboratory component of PTA-201. Admission to Physical Therapist Assistant program is required.

Continued on the next page.

PTA 205 DEVELOPMENT, GROWTH, AND AGING

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Explores typical human development and degenerative and pathologic changes that occur throughout the life span. Using a systems approach, this course focuses on the neuromusculoskeletal systems, and how structure and function change with age. The course also discusses how these changes affect motor behavior and skill performance, and how physical therapist assistants can help people regain and/or maintain their function and independence as they age. Admission to Physical Therapist Assistant program is required.

PTA 220 ORTHOPEDIC REHABILITATION

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Co-requisite: PTA-220L

Introduces a functional approach to the assessment and treatment of common musculoskeletal conditions of the spine and extremities. Students will identify the relationships between these conditions and the resulting impairments in body structure and function, activity limitations, and participation in major life activities. The course will also continue to develop students' problem-solving skills, which are essential for making sound decisions about the indications, precautions, and contraindications of various therapeutic intervention options within the Physical Therapist's plan of care. Admission to Physical Therapist Assistant program is required.

PTA 220L ORTHOPEDIC REHABILITATION LAB

Units: 1.50 (1.50 units lab)
CSU 90.00 hours lab

Co-requisite: PTA-220

Provides hands-on practical training and skills needed to manage the most common orthopedic conditions seen in various settings across the lifespan. Students will also learn to apply function-based intervention strategies to disorders of the spine, upper extremity, and lower extremity. Laboratory component of PTA-220. Admission to Physical Therapist Assistant program is required.

PTA 225 PROFESSIONAL PRACTICE FOR THE PHYSICAL THERAPIST ASSISTANT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces the knowledge and skills necessary for Physical Therapist Assistants (PTA) to practice ethically and professionally. Students will learn about the federal, state, and institutional regulations that govern physical therapy practice, as well as the financial and insurance considerations. Topics will also include career development, lifelong learning, and leadership skills. Students will also develop their problem-solving, professional communication, and case management skills. Field trips optional. Admission to Physical Therapist Assistant program is required.

PTA 240 NEUROLOGIC REHABILITATION

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Co-requisite: PTA-240L

Explores identification and treatments for various neurological diagnoses. Impairments presented include weakness and/or abnormal muscle tone from upper and lower motor neuron lesions, sensory and perceptual dysfunction, and incoordination and balance dysfunction. Treatment skills are utilized in a case study involving neurological diagnosis. Admission to Physical Therapist Assistant program is required.

PTA 240L NEUROLOGIC REHABILITATION LAB

Units: 1.50 (1.50 units lab)
CSU 90.00 hours lab

Co-requisite: PTA-240

Provides practical training in management of neurologic conditions seen by the Physical Therapist Assistant in various settings across the lifespan. Laboratory component of concepts presented in PTA-240 Neurologic Rehabilitation. Includes rehabilitation of cerebral vascular accidents, traumatic brain injuries, spinal cord injuries, and other neurological conditions. Admission to Physical Therapist Assistant program is required.

PTA 242 CARDIOPULMONARY AND INTEGUMENTARY PHYSICAL THERAPY

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Co-requisite: PTA-242L

Examines cardiopulmonary and integumentary health by analyzing diagnoses, data collection and treatments. Both normal and abnormal reactions to cardiopulmonary stress and rehabilitation techniques to manage them effectively will be covered. Additionally, interventions for a wide range of skin concerns, including but not limited to scars, ulcers, burns, frostbite, photosensitivity disorders, inflammatory conditions, skin cancers, obesity-related issues, and psoriasis will be designed. Admission to Physical Therapist Assistant program is required.

PTA 242L CARDIOPULMONARY AND INTEGUMENTARY PHYSICAL THERAPY LAB

Units: 1.50 (1.50 units lab)
CSU 90.00 hours lab

Co-requisite: PTA-242

Provides hands-on practical training in cardiopulmonary and integumentary management of conditions seen in various settings across the lifespan. Students will examine critical values for lab tests and vital signs within various healthcare settings, including intensive care units (ICUs), hospitals, post-acute care facilities, outpatient clinics, and even cardiopulmonary rehabilitation programs, as well as interventions practiced for patients with diverse skin ailments. Laboratory component of PTA-242. Admission to Physical Therapist Assistant program is required.

PTA 244 PHYSICAL THERAPY FOR SPECIAL POPULATIONS

Units: 2.00 (2.00 units lecture)
CSU 36.00 hours lecture

Co-requisite: PTA-244L

Focuses on the principles and strategies used to deliver physical therapy and wellness services to special populations. Topics include the acutely ill patient, amputees, orthotics/prosthetics, women's health issues, interventions in gerontologic and vestibular disorders, pediatrics, workplace injuries and health, athletic rehabilitation and fitness, advanced therapeutic exercise interventions, and the use of aquatics in physical therapy. Admission to Physical Therapist Assistant Program is required.

PTA 244L PHYSICAL THERAPY FOR SPECIAL POPULATIONS LAB

Units: 1.50 (1.50 units lab)
CSU 90.00 hours lab

Co-requisite: PTA-244

Provides hands-on student proficiency with techniques essential for delivering physical therapy and wellness services to special populations. Students also practice advanced therapeutic exercise interventions. Special populations include acutely ill patient, amputees, orthotics/prosthetics, women's health issues, interventions in gerontologic and vestibular disorders, pediatrics, workplace injuries and health, athletic rehabilitation and fitness, and the use of aquatics in physical therapy. May include field trip. Laboratory component for PTA-244. Admission to Physical Therapist Assistant program is required.

PTA 250 CLINICAL EXPERIENCE I

Units: 2.50 (2.50 units lab)
CSU 140.00 hours lab

Engage in patient care assessment and treatment procedures under the direct supervision of licensed physical therapists or physical therapist assistants. First/integrated clinical experience. Students will participate in a full-time, four-week clinical setting (35-40 hours/week), applying their knowledge and skills to assist in the care of patients with both uncomplicated and/or complicated conditions. The level of supervision will be individually tailored to ensure patient safety and adhere to the specific needs of the patient, setting, and relevant California regulations. Admission to and satisfactory progression through the Physical Therapist Assistant program are required.

PTA 252 CLINICAL EXPERIENCE II

Units: 3.50 (3.50 units lab)
CSU 210.00 hours lab

Continues with patient care assessment and treatment procedures under the direct supervision of licensed physical therapists or physical therapist assistants. Second clinical experience, and the first (of 2) terminal experiences. Students will participate in a full-time, six-week clinical setting (35-40 hours/week), applying their knowledge and skills to assist in the care of patients with both uncomplicated and/or complicated conditions. The level of supervision will be individually tailored to ensure patient safety and adhere to the specific needs of the patient, setting, and relevant California regulations. Includes preparation and presentation of one 30-minute in-service to clinical site staff. Admission to and satisfactory progression through the Physical Therapist Assistant program are required.

PTA 254 CLINICAL EXPERIENCE III

Units: 3.50 (3.50 units lab)
CSU 210.00 hours lab

Manage patient treatment and data collection under the direct supervision of licensed physical therapists or physical therapist assistants. Third and final clinical experience. Students will participate in a full-time, six-week clinical setting (35-40 hours/week), applying their knowledge and skills to assist in the care of patients with both uncomplicated and/or complicated conditions. The level of supervision will be individually tailored to ensure patient safety and adhere to the specific needs of the patient, setting, and relevant California regulations. Includes preparation and submission of a comprehensive case study for presentation to the cohort following the internship. Admission to and satisfactory progression through the Physical Therapist Assistant program are required.

PTA 260 PHYSICAL THERAPIST ASSISTANT SEMINAR

Units: 1.00 (1.00 unit lecture)
CSU 18.00 hours lecture

Prepares students for the National Physical Therapist Assistant (PTA) exam, California Law Exam, and licensing application preparation, in order to enter the field of physical therapy as a generalist entry level PTA. A mock National Physical Therapist Assistant examination will conclude the course. Admission to and satisfactory progression through Physical Therapist Assistant program are required.

PTA 262 PHYSICAL THERAPIST ASSISTANT CASE STUDY

Units: 1.00 (1.00 unit lecture)
CSU 18.00 hours lecture

Interactive course during which students will present case studies done as part of their final (of two) terminal clinical experiences. Classmates will ask questions and critique the presentation. Admission to and satisfactory progression through Physical Therapist Assistant program are required.

PHYSICS

The Physics program provides curriculum concerned with the properties of matter and energy, and their interactions and transformations. The Physics program includes both major and non-major courses. The following is a sample of career options available for physics. Most require a baccalaureate degree, and some require a graduate degree: air pollution operations, consumer safety officer, engineer, teacher, astrophysicist and physicist.

PHYSIC 101 INTRODUCTION TO PHYSICS

Units: 4.00 (4.00 units lecture)
UC:CSU 72.00 hours lecture

Recommended Preparation: Completion of Intermediate Algebra or higher math placement

Explores Physics in a more conceptual and less mathematical approach. Similar in content to PHYSIC-102 without the laboratory component. This is a one-semester survey course introducing the topics of classical and modern physics, including physical principles concerning motion, gravity, heat, light, waves, electricity, magnetism, the atom, the nucleus, relativity, and quantum mechanics. UC credit limitation: No credit for PHYSIC-101 if taken after PHYSIC-102, PHYSIC-110 or PHYSIC-220.

PHYSIC 102 INTRODUCTION TO PHYSICS WITH LABORATORY

Units: 5.00 (4.00 units lecture, 1.00 unit lab)

UC:CSU 72.00 hours lecture, 54.00 hours lab

Recommended Preparation: Completion of Intermediate Algebra or higher math placement.

Explores Physics in a more conceptual and less mathematical approach. Similar in content to PHYSIC-101 with the addition of a laboratory component. This is a one-semester survey course introducing the topics of classical and modern physics, including physical principles concerning motion, gravity, heat, light, waves, electricity, magnetism, the atom, the nucleus, relativity, and quantum mechanics. Includes hands-on experiences and laboratory experiments. UC credit limitation: No credit for PHYSIC-102 if taken after PHYSIC-101, PHYSIC-110 or PHYSIC-220.

PHYSIC 110 GENERAL PHYSICS I

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab
C-ID PHYS 105

Prerequisite: MATH-102, MATH-102X, or higher Math placement

Explores an algebra/trig.-based introduction to the study of mechanics of solids and liquids, elastic properties of matter, heat, and wave motion (similar to PHYSIC-210, but relevant to students whose programs require a non-calculus-based physics course). UC credit limitation: PHYSICS 110-111, PHYSICS 210-211 and 220-221-222 combined, maximum credit one series.

PHYSIC 111 GENERAL PHYSICS II

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab

C-ID PHYS 110, C-ID PHYS 100S (PHYSIC-110 & 111)

Prerequisite: PHYSIC-110

Explores an algebra/trig.-based introduction to the core principles of physics, including electricity and magnetism, optics, and modern physics (similar to PHYSIC-211, but relevant to students whose programs require a non-calculus-based physics course). UC credit limitation: PHYSICS 110-111, PHYSICS 210-211, and PHYSICS 220-221-222 combined, maximum credit one series.

PHYSIC 210 PHYSICS WITH CALCULUS FOR LIFE SCIENCE MAJORS I

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab

C-ID PHYS 105

Prerequisite: MATH-211

Explores a calculus-based introduction to the study of mechanics of solids and liquids, elastic properties of matter, heat, and wave motion (similar to PHYSIC-110, but requiring Calculus). Relevant to students whose programs require a calculus-based physics course. UC credit limitation: PHYSICS 110-111, PHYSICS 210-211 and 220-221-222 combined, maximum credit one series.

PHYSIC 211 PHYSICS WITH CALCULUS FOR LIFE SCIENCE MAJORS II

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab

C-ID PHYS 110, C-ID PHYS 100S (PHYSIC-210 & 211)

Prerequisite: PHYSIC-210

Explores a calculus-based introduction to the core principles of physics, including electricity and magnetism, optics, and modern physics (similar to PHYSIC-111, but requiring Calculus). Relevant to students whose programs require a calculus-based physics course. UC credit limitation: PHYSICS 110-111, PHYSICS 210-211, and PHYSICS 220-221-222 combined, maximum credit one series.

PHYSIC 220 PHYSICS FOR SCIENTISTS AND ENGINEERS: MECHANICS OF SOLIDS AND FLUIDS

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab

C-ID PHYS 205

Prerequisite: MATH-211

Presents a calculus-based introductory study of particle and rigid body statics and dynamics, vibrational motion, and fluid mechanics. UC credit limitation: PHYSICS 110-111 and 220-221-222 combined, maximum credit one series

PHYSIC 221 PHYSICS FOR SCIENTISTS AND ENGINEERS: ELECTRICITY, MAGNETISM, AND WAVES

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab

C-ID PHYS 210

Prerequisite: PHYSIC-220 and credit for or concurrent enrollment in MATH-212.

Introduces electric and magnetic fields, circuit theory and electromagnetic induction. wave motion and sound. UC credit limitation: PHYSICS 110-111 and 220-221-222 combined, maximum credit one series

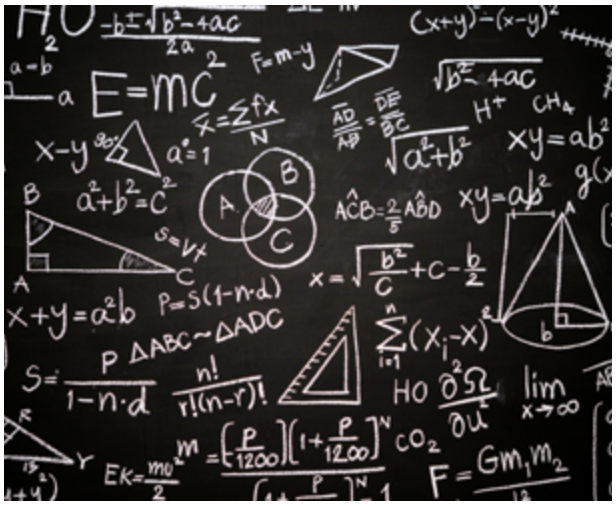
PHYSIC 222 PHYSICS FOR SCIENTISTS & ENGINEERS: THERMODYNAMICS, OPTICS, RELATIVITY & MODERN PHYSICS

Units: 4.00 (3.00 units lecture, 1.00 unit lab)
UC:CSU 54.00 hours lecture, 54.00 hours lab

C-ID PHYS 215, C-ID PHYS 200S - with completion of PHYSIC-220 and 221

Prerequisite: PHYSIC-220 and credit for or concurrent enrollment in MATH-212.

Introduces heat, thermodynamics, and kinetic theory; geometric and physical optics; relativity and quantum physics with applications to atoms, molecules, solids, and nuclei. UC credit limitation: PHYSICS 110-111 and 220-221-222 combined, maximum credit one series.



POLITICAL SCIENCE

Public authority, responsibility, and acquisition of power are studied in the discipline of political science. Introductory courses are for students interested in learning about American government, politics in general and relationships with other political systems in the world. Students majoring in political science who are pre-law will particularly profit from the more advanced courses in the department. Students interested in foreign service, international relations and/or communications will enjoy participating in the Model United Nations program offered by the department. A major in political science is of benefit to students seeking careers in law, the military, economics, law enforcement, business, and public administration

Associate in Arts for Transfer Degree: Political Science

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an “associate degree for transfer”, a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Political Science. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Continued on the next page.

Degree Student Learning Outcome:
Students will be able to evaluate and analyze the basic institutional structures of competing governments, various theories of political science and thought, the framework of international relations, and public policy as well as social factors influencing government.

Program Requirements:
Units Required: 18 – 20

		Units
POLS-C1000	American Government and Politics	3.0
	OR	
POLS-C1000H	American Government and Politics – Honors	3.0
	Plus nine units from the following:	
POLS-230	Political Theory	3.0
POLS-250	Comparative Government and Politics	3.0
POLS-270	International Relations	3.0
	Plus a minimum of six units from the following:	
POLS-200	Introduction to Political Science	3.0
POLS-210	Model United Nations	3.0
POLS-290	Ethnic and Gender Politics	3.0
STAT-C1000	Introductory Statistics	4.0
	OR	
STAT-C1000E	Introductory Statistics	5.0
	OR	
STAT-C1000H	Introductory Statistics – Honors	4.0

POLS C1000 AMERICAN GOVERNMENT AND POLITIC

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID POLS 110

This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. Formerly POLISC-150.

POLS C1000H AMERICAN GOVERNMENT AND POLITICS - HONORS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID POLS 110

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. This is an honors course. Formerly POLISC-150H.

POLS 200 INTRODUCTION TO POLITICAL SCIENCE

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID POLS 150

Introduces the nature, scope, and methodology of political science, including basic concepts, terms, contending theories, institutions, political ideologies, political systems, and sub-fields in the discipline. This course does not meet the Title V American Institutions requirement in U.S. Constitution, California state and local government. Formerly POLISC-200.

POLS 210 MODEL UNITED NATIONS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

May be taken four times for credit

Examines the norms, rules, and procedures of the United Nations leading to participation in a United Nations simulation. Emphasizes parliamentary procedure, international advocacy, the role of the United Nations, and extemporaneous speaking. Students enrolled in the class must participate in up to two Model United Nations conferences. However, students enrolled in the class are not expected to pay for costs associated with lodging and registration fees. Formerly POLISC-210.

POLS 230 POLITICAL THEORY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID POLS 120

Explores the major political concepts and theories from the early Greeks to modern day political philosophers, including the origins of government, state power, justice, and the distribution of political and economic resources. Formerly POLISC-230.

POLS 250 COMPARATIVE GOVERNMENT AND POLITICS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID POLS 130

Provides a comparative, analytical, and theoretical study of political cultures, government institutions, and political processes from selected regions and countries of the world with a strong emphasis on the understanding of comparative elements and variables. Formerly POLISC-250.

POLS 270 INTERNATIONAL RELATIONS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID POLS 140

Introduces international relations theory and analysis examining national, international, transnational and sub-national actors and their institutions, interactions and processes as they relate to global issues with specific focus on the basic historical, geographical, economic, ideological, and strategic factors which underlie conflict and cooperation among nations. Formerly POLISC-270.

POLS 290 ETHNIC AND GENDER POLITICS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Examines the history, issues, and political processes that affect the status and power of ethnic and gender groups which have traditionally been politically and economically disadvantaged in the United States, including issues of inclusion and exclusion; otherness and scapegoating; and, barriers of inequality among politically marginalized groups. Formerly POLISC-290



PSYCHOLOGY

The Associate in Arts degree in Psychology will provide students with an introduction to the field of behavior including the major perspectives, scientific foundations, and applied areas. The intent is to prepare students for future academic study in the field. The degree includes curriculum that can lead to a baccalaureate degree in psychology at a four-year college or university. The degree can also be a terminal, two-year option of study for students interested in psychology who do not wish to pursue a baccalaureate degree in the field.

Associate in Arts for Transfer Degree: Psychology

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Psychology. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:
Students will be able to assess the influence of a variety of factors that contribute to behavior and mental processes, evaluate psychological concepts, and compare and contrast theoretical perspectives, empirical findings, and historical trends in the field of Psychology.

Program Requirements:
Units Required: 19 – 20

		Units
PSYC-C1000	Introduction to Psychology	3.0
	OR	
PSYC-C1000H	Introduction to Psychology - Honors	3.0
PSYC-102	Physiological Psychology	3.0
PSYC-103	Introduction to Behavioral Research	3.0
	Plus one course from the following:	
PSYC-104	Statistics for the Behavioral Sciences	4.0
	OR	
STAT-C1000	Introductory Statistics	4.0
	OR	
STAT-C1000E	Introductory Statistics	5.0
	OR	
STAT-C1000	Introductory Statistics – Honors	4.0
	Plus three units from the following:	
PSYC-109	Social Psychology	3.0
PSYC-172	Developmental Psychology	3.0

Continued on the next page.

OR

PSYC-172H	Developmental Psychology - Honors	3.0
PSYC-225	Psychology of Learning and Behavior	3.0

Plus three units from the following that have not already been selected from the courses listed above:

PSYC-105	Personal Growth and Adjustment	3.0
PSYC-109	Social Psychology	3.0
PSYC-110	Psychology as a Major and Profession	3.0
PSYC-126	Cognitive Psychology	3.0
PSYC-167	Introduction to Multicultural Psychology	3.0
PSYC-172	Developmental Psychology	3.0
	OR	
PSYC-172H	Developmental Psychology – Honors	3.0
PSYC-180	Positive Psychology	3.0
PSYC-225	Psychology of Learning and Behavior	3.0
PSYC-230	Human Sexuality	3.0
PSYC-235	Psychology of Gender Roles	3.0
PSYC-240	Abnormal Psychology	3.0

Associate in Arts Degree: Psychology

Degree Student Learning Outcome
Students will be able to assess the influence of a variety of factors that contribute to behavior and mental processes, evaluate psychological concepts, and compare and contrast theoretical perspectives, empirical findings, and historical trends in the field of Psychology.

Program Requirements:
Units Required: 25 – 26

		Units
PSYC-C1000	Introduction to Psychology	3.0
	OR	
PSYC-C1000H	Introduction to Psychology – Honors	3.0
PSYC-102	Physiological Psychology	3.0
PSYC-103	Introduction to Behavioral Research	3.0
PSYC-126	Cognitive Psychology	3.0
PSYC-225	Psychology of Learning and Behavior	3.0
PSYC-104	Statistics for the Behavioral Sciences	4.0
	OR	
STAT-C1000	Introductory Statistics	4.0
	OR	
STAT-C1000E	Introductory Statistics	5.0
	OR	
STAT-C1000	Introductory Statistics – Honors	4.0

Plus three units from the following:

PSYC-172	Developmental Psychology	3.0
	OR	
PSYC-172H	Developmental Psychology - Honors	3.0
PSYC-230	Human Sexuality	3.0
PSYC-235	Psychology of Gender Roles	3.0
PSYC-240	Abnormal Psychology	3.0

Plus three units from the following:

PSYC-105	Personal Growth and Adjustment	3.0
PSYC-109	Social Psychology	3.0
PSYC-110	Psychology as a Major and Profession	3.0
PSYC-167	Introduction to Multicultural Psychology	3.0
PSYC-180	Positive Psychology	3.0

PSYC C1000 INTRODUCTION TO PSYCHOLOGY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PSY 110

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. Formerly PSYCH-101.

PSYC C1000H INTRODUCTION TO PSYCHOLOGY - HONORS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PSY 110

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. This is an honors course. Formerly PSYCH-101H.

PSYC 102 PHYSIOLOGICAL PSYCHOLOGY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PSY 150

Prerequisite: PSYC-C1000 or PSYC-C1000H

Provides a detailed consideration of the functional and anatomical aspects of the nervous system in order to interpret behavior in terms of physiological processes. In addition, may cover such topics as muscles and glands as response mechanism, the structure and physiological basis of complex behavior and mental processes, and the function of sense organs. Formerly PSYCH-102.

PSYC 103 INTRODUCTION TO BEHAVIORAL RESEARCH

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PSY 200

Prerequisite: PSYC-C1000 or PSYC-C1000H and PSYCH-104 or SOCI-137 or STAT-C1000 or STAT-C1000E or STAT-C1000H

Examines the basic principles and concepts of research methodology used in psychology, including naturalistic observation, case study, questionnaire, co-relational research, and laboratory experiments. Research design and the process of data analysis are also reviewed using classic studies, while providing added insight into the scientific method. Formerly PSYCH-103.

PSYC 104 STATISTICS FOR THE BEHAVIORAL SCIENCES

Units: 4.00 (4.00 units lecture)
UC:CSU 72.00 hours lecture
C-ID MATH 110

Prerequisite: Completion of intermediate algebra or higher math placement

Examines the methods used in social and behavioral science to analyze and interpret data generated by social and behavioral science research. Topics covered include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications using data from a broad range of disciplines. UC credit limitation: ECON-291, PSYC-104, SOCI-137, STAT-C1000, STAT-C1000E, and STAT-C1000H combined, maximum credit one course. Formerly PSYCH-104.

PSYC 105 PERSONAL GROWTH AND ADJUSTMENT

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PSY 115

Introduces personal growth while emphasizing the application of theoretical psychology to the issues of adjustment relevant to college students. Formerly PSYCH-105.

PSYC 109 SOCIAL PSYCHOLOGY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PSY 170

Introduces the psychological theories, psychological research and applications in major areas of social psychology, including communication and social interaction, group dynamics, attitudes, stereotyping and prejudice, altruism and aggression, person perception and social cognition, roles, and cultural differences. Formerly PSYCH-109.

PSYCH 110 PSYCHOLOGY AS A MAJOR AND PROFESSION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Introduces the profession of psychology, including careers in the field and skills important in the psychology major at various educational levels. Formerly PSYCH-110.

PSYC 126 COGNITIVE PSYCHOLOGY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Explores the theory and research related to human information-processing, focusing on attention, perception, memory storage and information retrieval. Formerly PSYCH-126.

PSYC 167 INTRODUCTION TO MULTICULTURAL PSYCHOLOGY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces multicultural psychological theories, psychological research, and testing issues regarding the study of multicultural groups, culturally relevant styles of communication, values from different cultures, racial identity, power and privilege, and issues involving immigration. This course explores connections between culture, mental health, and physical wellness, and will help prepare students to grapple with the issues of multiculturalism in our modern and diversified society. Formerly PSYCH-167.



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PSYC 172 DEVELOPMENTAL PSYCHOLOGY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PSY 180

Surveys human development throughout the lifespan, emphasizing physical, emotional, cognitive, and social changes occurring from the prenatal period through late adulthood. Formerly PSYCH-172.

PSYC 172H DEVELOPMENTAL PSYCHOLOGY - HONORS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PSY 180

Recommended Preparation: ENGL-C1000 or ENGL-C1000H

Surveys human development throughout the lifespan, emphasizing physical, emotional, cognitive, and social changes occurring from the prenatal period through late adulthood. Additional reading, writing, critical thinking, and research techniques are required for the Honors version of this course. Formerly PSYCH-172.

PSYC 180 POSITIVE PSYCHOLOGY

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Explores the theory and research on the sources and effects of positive cognitive states, positive emotional states, and prosocial behavioral processes. Also examines Western and Eastern cultural approaches to the understanding of human strengths, developmental influences on positive functioning, methods for measuring and enhancing human strengths, and the benefits of human strengths, positive experiences and positive environments. Formerly PSYCH-180.

PSYC 225 PSYCHOLOGY OF LEARNING AND BEHAVIOR

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Recommended Preparation: PSYC-C1000 or PSYC-C1000H

Introduces behavioral psychology, covering such topics as classical conditioning, operant conditioning, observational learning and behavior modification. Formerly PSYCH-225.

PSYC 230 HUMAN SEXUALITY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PSY 130

Prerequisite: PSYC-C1000 or PSYC-C1000H

Explores the psychological and physiological aspects of human sexuality, including social and biological foundations of sexuality, human anatomy, reproduction, the birth process, sexual behavior and attitudes in contemporary society, historical views of sexuality, cross cultural views of sexuality, sexual dysfunction, sexually transmitted diseases, and sexual problems and issues in our society. Formerly PSYCH-230.

PSYC 235 PSYCHOLOGY OF GENDER ROLES

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys gender issues which affect the psychological development of women and men, including the development of sex roles and the extent to which these roles influence, or are influenced by physiology, the family, education, work and interpersonal relationships. Formerly PSYCH-235.

PSYC 240 ABNORMAL PSYCHOLOGY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID PSY 120

Recommended preparation: PSYC-C1000 or PSYC-C1000H

Examines the history, patterns, and causes of maladaptive behavior as reviewed in the field of abnormal psychology, including clinical assessments using the current Diagnostic and Statistical Manual, therapies, and prevention strategies. Formerly PSYCH-240.

PUBLIC SAFETY – AGENCY TRAINING

The College, in conjunction with various community partner agencies, provides additional advanced training courses that are approved by the state fire marshal, the California Department of Forestry and Fire Protection, and the Commission on Peace Officer Standards Training (P.O.S.T.). These advanced training courses are part of the Los Angeles County Fire Department, Los Angeles County Lifeguard, Los Angeles Sheriff Department, and Los Angeles Police Department.

Registration for the following courses are limited

to students who have successfully completed the prerequisites, or provide evidence of minimum skills necessary to be successful in the course that are listed in the course outlines or record. Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes. For more information on the minimum skills validation for these course contact the college's Academic Affairs office. The courses listed below may be repeated if used for legally mandated training and are offered pass/no-pass only unless otherwise noted.

FIRE TECHNOLOGY ADVANCED TRAINING - LIFEGUARD (FIRETL)

FIRETL 001 OCEAN LIFEGUARD ACADEMY

Units: 6.50 (5.50 units lecture, 1.00 units lab)

104.00 hours lecture, 76.00 hours lab

Prepares the student for employment as an ocean lifeguard. Major topics include CPR, first aid, rescue drills, surf and ocean swimming, rescue board proficiency, skin diving proficiency, communication, environmental hazard identification, certification as an American Red Cross Emergency Medical Responder and State Fire Marshal Open Water Rescuer. Students must pass the LA County Ocean Lifeguard swimming requirements and attend the Ocean Lifeguard Academy Orientation.

FIRETL 002 LIFEGUARD CADET

Units: 2.00 (2.00 units lecture)

40.00 hours lecture

Provides selected Junior Lifeguards interested in becoming Ocean Lifeguards with more extensive training through supplemental curriculum items and tower internships. Students must pass the LA County Ocean Lifeguard swimming requirements, and have completed Basic Life Support Certification and Cardiopulmonary Resuscitation Certification.

LAW ENFORCEMENT, POLICE DEPARTMENT ADVANCED TRAINING - (LEPD)

LEPD 001 FORCE OPTION SIMULATOR INSTRUCTOR

Units: 0.25 (0.10 units lecture, 0.15 units lab)
5.00 hours lecture, 11.00 hours lab

Provides trainers with an increased & updated knowledge of LAPD policy and procedures on tactical de-escalation techniques and force options. Topics include the set, trouble shooting and operation of the Force Option Simulator along with application of the law and Use of Force Policy during simulator training.

LEPD 001A BATON/IMPACT WEAPONS INSTRUCTOR

Units: 0.50 (0.25 units lecture, 0.25 units lab)
8.00 hours lecture, 16.00 hours lab

Meets CA POST requirements for certification as an Impact Weapons Instructor. Students will learn techniques for the side-handle baton, collapsible baton, and straight baton. Students will learn both offensive and defensive techniques through a series of technical drills and reality-based scenario training.

LEPD 002 FIRST AID/CPR/AED INSTRUCTOR

Units: 1.25 (1.00 unit lecture, 0.25 units lab)
20.00 hours lecture, 20.00 hours lab

Provides Law Enforcement personnel with the required skills to instruct certain Emergency Medical Services Authority First Aid/CPR/AED courses.

LEPD 003 DRUG RECOGNITION EXPERT (D.R.E.) PRE-SCHOOL

Units: 1.00 (1.00 unit lecture)
24.00 hours lecture

Provides instruction on identifying signs of drug impairment. Topics include drug evaluation and classification, report writing and courtroom testimony preparation.

LEPD 004 BICYCLE PATROL TACTICAL FIREARMS

Units: 0.15 (0.05 units lecture, 0.10 units lab)
2.00 hours lecture, 6.00 hours lab

Presents firearms safety guidelines, department policies and proper shooting skills for law enforcement officers on bicycle patrol.

LEPD 005 PSL 2 - BUILDING THE CONFIDENT AND COMPETENT LEADER

Units: 0.75 (0.50 units lecture, 0.25 units lab)
16.00 hours lecture, 24.00 hours lab

Provides instruction on de-escalation techniques & strategies and updated use of force options, law and policy. Topics include cooperative suspect tactics, updated arrest and control techniques, professionalism and ethics, procedural justice, first aid, impression management and critical incident adjudication.

LEPD 006 CRITICAL INCIDENT MANAGEMENT UPDATE

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides students with the basic knowledge and skills needed for responding to critical incidents. Topics include the therapeutic responses of defusing and group debriefing along with critical incident policies and procedures.

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LEPD 007 DOMESTIC VIOLENCE/SEX ASSAULT INVESTIGATION
Units: 0.50 (0.50 units lecture)
16.00 hours lecture

Presents information on domestic violence and sexual assault investigation. Topics include liability for law enforcement, dynamics of domestic violence and interviewing techniques.

LEPD 008 HUMAN TRAFFICKING INVESTIGATIONS
Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Provides students with an understanding of human trafficking investigations including the core elements of human trafficking, empathic victim approach & care of victims, applications of legal regulations, evidence identification and collection, case development and investigator ethics and wellness.

LEPD 009 GANG INTERVENTION (AWARENESS) INTRO TRAINING
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Examines the role of interventionists with law enforcement in reducing criminal gang involvement and activity in communities. Students will gain perspective on how working with interventionists can help the officer and the public and save lives.

LEPD 010 LEARNING TO LEARN
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides the concepts of learning as an active and dynamic activity and sets the tone for the future course work and learning experiences.

LEPD 010A DRONE AS FIRST RESPONDER
Units: 0.50 (0.40 units lecture, 0.10 units lab)
10.00 hours lecture, 10.00 hours lab

Develops a baseline competency in the safe deployment of concealed firearms using a variety of drawing techniques.

LEPD 011 DE-ESCALATION & TACTICAL COMMUNICATION
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Instructs students how to better integrate tactical de-escalation techniques, less lethal devices, and command and control tactics to preserve human life, reduce the intensity of tense encounters with violent suspects, and mitigate the need for a higher level of force.

LEPD 011A DE-ESCALATION & TACTICAL DECISION MAKING
Units: 0.15 (0.05 units lecture, 0.10 units lab)
3.00 hours lecture, 6.00 hours lab

Provides knowledge and skills to better integrate tactical de-escalation techniques, command and control and strategic communication techniques while maintaining a department's Use of Force Policies.

LEPD 012 DIGNITARY SECURITY
Units: 1.00 (1.00 unit lecture)
24.00 hours lecture

Provides students with an understanding of the basic functions of close personal protection responsibilities when working with a Principal. Includes review of techniques for close-proximity formation, vehicle safeguards, tactical medical treatment, threat assessment, weaponless defense, terrorism, flying while armed and social media.

LEPD 012A LEADERSHIP IN MASS EVENTS
Units: 1.00 (1.00 unit lecture)
24.00 hours lecture

Explores global law enforcement leadership perspectives in managing mass events, techniques to effectively assume Command and General Staff positions using the National Incident Management System, navigate complex leadership situations in the unified command environment, and enhance personal performance.

LEPD 013 DETECTIVE SYMPOSIUM
Units: 0.50 (0.50 units lecture)
10.00 hours lecture

Provides the student with investigative techniques/skills necessary to investigate and prosecute the crime of murder. The course will also focus on the investigation of kidnap for murder, terrorism, mass murder, search warrant procedures, crimes against children, and the case study of a high-profile case.

LEPD 014 SPECIAL WEAPONS AND TACTICS
Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
20.00 hours lecture, 60.00 hours lab

Introduces the concepts, principles and skills needed to perform the duties of a Special Weapons and Tactics Officer, including firearms training, high-risk entries, hostage rescue, defense tactics and crisis negotiations.

LEPD 015 CROWD CONTROL
Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 hours lab

Provides students the opportunity to review the policy, procedures and laws related to public assemblies, crowd management and control.

LEPD 015A CANINE TRACKING COURSE
Units: 0.75 (0.50 units lecture, 0.25 units lab)
11.00 hours lecture, 19.00 hours lab

Provides K-9 handlers the knowledge to work with and utilize canines to track and follow human scent in compliance with the California state standards.

LEPD 015B PERIMETER AND K-9 SEARCH TEAM TACTICS

Units: 0.15 (0.05 units lecture, 0.10 units lab)
1.50 hours lecture, 6.50 hours lab

Provides the student with fundamental concepts and principles of team tactics while deploying K-9 search teams. The focus is perimeter containment, de-escalation and mitigating the need for higher level of use of force, and formulating K-9 search tactic plans and executing them when criteria has been met.

LEPD 016 TACTICAL EMERGENCY FIRST-AID/TRAUMA CARE ONLINE

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides the necessary skills and knowledge for administering first aid at an intermediate level as a first responder.

LEPD 016A TACTICAL EMERGENCY FIRST AID /TRAUMA CARE

Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 - 5.00 hours lab

Develops the peace officer's basic skills in assessing and treating preventable causes of death due to traumatic injuries likely to be encountered in a tactical environment. Topics include scene safety, rapid triage and treatment, medical decision making, and the contents and use of the Officer First Aid Kit (OFAK) with an emphasis on practical application during instructional scenarios.

LEPD 017 CRISIS NEGOTIATION UPDATE

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides the knowledge, tactics, advanced techniques and skills needed to manage a hostage/barricade suspect incident, focusing on updating and debriefing the members of a crisis negotiation team by reinforcing verbal and physical tactics used to manage a hostage/barricade suspect incident.

LEPD 017A CRISIS NEGOTIATION

Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Provides students with the ability to apply verbal strategies used to manage a hostage, barricaded, or suicidal subject incident.

LEPD 017B CRISIS INTERVENTION

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides student with the tools to identify mental illness, a mental health crisis, properly manage and de-escalate situations, conduct comprehensive assessments of an individual pursuant to 5150 of the Welfare and Institutions Code (WIC) and complete required documentation.

LEPD 017C CRISIS NEGOTIATION AWARENESS

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Evaluates different strategies in crisis negotiation situations, such as verbal, de-escalation, and disengagement techniques. These efforts will be considered in the context of maintaining the department's primary consideration of developing tactics and strategies which also highlight a reverence for human life.

LEPD 018A USE OF FORCE/DE-ESCALATION (CRISIS NEGOTIATION)

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Introduces students to verbal strategies and disengagement techniques applicable to crisis negotiation in field situations.

LEPD 018B USE OF FORCE AND DE-ESCALATION

Units: 0.15 (0.15 units lecture)
6.00 hours lecture

Examines the verbal strategies applicable to crisis negotiations in field situations. Emphasizes de-escalation strategic disengagement techniques. Provides updated legislative content of Penal Code Section 835a.

LEPD 018C PRACTICAL DE-ESCALATION & TACTICAL CONDUCT DE-ESCALATION LAB

Units: 0.15 (0.05 units lecture, 0.10 units lab)
2.00 hours lecture, 7.00 hours lab

Provides training to enhance law enforcement's ability to de-escalate volatile situations and focus on reverence for human life.

LEPD 018D USE OF FORCE – REALITY BASES

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Presents use of force laws and policies and develops critical decision making skills to improve the student's ability to generate voluntary compliance through the art of persuasion.

LEPD 020 PHYSICAL TRAINING INSTRUCTOR'S COURSE

Units: 1.00 (0.85 units lecture, 0.15 units lab)
21.00 hours lecture, 11.00 hours lab

Prepares officers to instruct Lifetime Fitness topics including instructor methodology and techniques, liability, record keeping and coaching techniques.

LEPD 021 FIREARMS/HANDGUN INSTRUCTOR ADVANCED

Units: 1.00 (0.50 units lecture, 0.50 units lab)
10.00 hours lecture, 30.00 hours lab

Educates and trains law enforcement firearms instructors and officers in advanced handgun handling and shooting skills.

Continued on the next page.

LEPD 021A ELECTRONIC WEAPONS INSTRUCTOR

Units: 0.50 (0.45 units lecture, 0.05 units lab)
12.00 hours lecture, 4.00 hours lab

Provides students with the theory and practical training necessary to effectively instruct users to safely and effectively operate Electronic Control Devices deployed by the Department.

LEPD 023 1-DAY NETWORK COMMUNICATIONS UPDATE

Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 hours lab

Covers necessary keyboard operations and functions while utilizing the Network Communication System (NECS) to access various systems and databases, as well as policies and procedures that regulate access of information systems and the use of information received.

LEPD 024 DISPATCHER CUSTOMER SERVICE

Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 hours lab

Introduces the communication skills and knowledge necessary for public safety dispatchers.

LEPD 024A POLICE SERVICE REPRESENTATIVE (DISPATCHER) INSTRUCTOR UPDATE

Units: 0.50 (0.50 units lecture)
16.00 hours lecture

Provides Police Service Representatives (PSR) III (Dispatchers) with an update of the basic fundamental knowledge and tools to be a competent Instructor and Bureau Communications Coordinator (BCC).

LEPD 025 FIREARMS SHOTGUN SLUG

Units: 0.50 (0.35 units lecture, 0.15 units lab)
10.00 hours lecture, 10.00 hours lab

Develops the skills necessary to manipulate the Remington 870 shotgun and qualify with slug ammunition.

LEPD 026 FIREARMS/SEMI-AUTO PISTOL TRANSITION

Units: 0.25 (0.05 units lecture, 0.20 units lab)
3.00 hours lecture, 13.00 hours lab

Provides the student with the knowledge, techniques, and skills required to safely manipulate and qualify with the striker fired pistol.

LEPD 027 MOUNTED PATROL BASIC TRAINING

Units: 5.00 (2.50 units lecture, 2.50 units lab)
53.00 hours lecture, 147.00 lab

Basic Training for law enforcement personnel to assist and teach officer's the proficient ability to complete necessary tasks with a police horse. It will also enable the students to control a large animal in a safe, effective and quiet manner utilizing their positions and demeanor to gain required responses.

LEPD 027A MOUNTED PATROL /BOKKEN BATON

Units: 0.15 (0.05 units lecture, 0.10 units lab)
3.00 hours lecture, 5.00 lab

Provides training in the use of the 40" bokken baton for crowd control while working a mounted unit/horse detail.

LEPD 028 ATV RIDER-LAW ENFORCEMENT

Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 hours lab

Provides students with the skills and techniques required to operate an All Terrain Vehicle (ATV) in a law enforcement environment.

LEPD 029 PROFESSIONAL RESOURCE OFFICER ASSISTANCE CIVIL TRIAL (PROACT)

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Designed to provide law enforcement officers with techniques and resources to reduce the stress experienced by officers and their families who find themselves involved in a work-related civil lawsuit. Curriculum includes subject matter experts in the field of psychological processes, employee assistance programs, financial planning, and police civil litigation.

LEPD 030 BICYCLE RAPID RESPONSE TEAM

Units: 0.25 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 hours lab

Presents the function and application of a police bicyclist involved in rapidly deploying to trouble areas.

LEPD 031 MACTAC SQUAD LEADER

Units: 0.15 (0.10 units lecture, 0.05 units lab)
5.00 hours lecture, 5 hours lab

Prerequisite: LEPD-049

Provides students with basic skills in leading a Multi-Assault, Counter Capabilities Squad to a proficient level that will enable the student to immediately deploy a contact team or squad.

LEPD 032 MOTORCYCLE INDIVIDUAL PROFICIENCY NIGHT ROAD UPDATE

Units: 0.15 (0.10 units lecture, 0.05 units lab)
5.00 hours lecture, 5.00 hours lab

Introduces the basic fundamentals, emergency procedures, protocols, and advanced skills needed for riding a motorcycle at night.

LEPD 033 DISPATCHER, TACTICAL DISPATCH BASIC CONCEPTS

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Introduces exposure to Tactical Dispatching concepts for use when at the communications center, at a Command Post, and/or when at the scene with a Special Weapons and Tactics (SWAT) Unit. Topics include tactical incidents, equipment used, and communication techniques.

LEPD 034 FIREARMS TACTICAL RIFLE UPDATE
Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 hours lab

Provides students with the opportunity to recertify their use of the tactical rifle. Reviews techniques of the department issued patrol rifle and includes topics such as patrol rifle skills, department policy, and legal updates.

LEPD 035 FIELD TRAINING OFFICER
Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Provides students with training techniques, and methodologies for officers assigned to train and supervise new field trainees.

LEPD 036 PEAK PERFORMANCE FOR LAW ENFORCEMENT
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides agency personnel with tools necessary to be more effective in their direct communications with clients (co-workers, citizens, etc.).

LEPD 037 MOTORCYCLE OFFICER UPDATE
Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 5.00 hours lab

Designed to provide proper motorcycle riding and control techniques to enhance the officer's ability to avoid accidents and injuries.

LEPD 038 DRUG ALCOHOL RECOGNITION UPDATE
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides instruction and information on the Standardized Field Sobriety Test, Detection and Deterrence of Driving While Intoxicated (DWI) drivers, the Legal Environment of DWI enforcement, overview of note taking and courtroom testimony. Students are given detailed instruction on the physical symptoms of the DWI driver, driving behavior consistent with a DWI driver, and how to document their observations.

LEPD 039 FIREARMS SHOTGUN SLUG UPDATE
Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 hours lab

Designed to update skills necessary to use a department issued shotgun with slug ammunition. Topics include department policy and procedure, and shotgun manipulations.

LEPD 039A FIREARMS – SIGHTING SYSTEMS
Units: 0.15 (0.05 units lecture, 0.10 units lab)
1.00 hours lecture, 9.00 hours lab

Provides training necessary to safely maintain, manipulate and employ a pistol mounted optic (PMO).

LEPD 040 INVESTIGATIVE SUPERVISORY OPERATIONS
Units: 1.00 (1.00 unit lecture)
24.00 hours lecture

Introduces the student to the leadership concepts, principles, and techniques for effective supervisory investigations. The course will focus on the investigative supervisors' role in managing and investigating criminal investigations.

LEPD 042 ABC'S OF CALL TAKING
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides the student with proper call-taking techniques to employ as a public safety dispatcher.

LEPD 043 UNDERCOVER OPS/TACTICAL RESPONSE
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Introduces the Undercover Operations unit within a police department, includes policies, procedures, and use of force options.

LEPD 044 DRIVER TRAINING
Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 hours lab

Provides behind-the-wheel instruction in low- and high-speed emergency vehicle operations, fundamentals of vehicle control, and appropriate employment of pursuit immobilization techniques.

LEPD 044A ATV SAFE SAND DRIVING
Units: 0.15-0.25 (0.10-0.20 units lecture, 0.05 units lab)
2.25-5.75 hours lecture, 5.75-10.25 hours lab

Provides valuable safety training for safe sand vehicle operations for 4-wheel drive trucks, ATVs, and UTVs.

LEPD 045 FIREARMS TACTICAL RIFLE
Units: 0.50 (0.05 units lecture, 0.45 units lab)
4.75 hours lecture, 31.25 hours lab

Provides students with the ability to safely deploy the patrol rifle in an urban environment and the ability to rapidly respond to active shootings in progress.

LEPD 045A FIREARMS/TACTICAL RIFLE ADVANCED
Units: 0.25 (0.05 units lecture, 0.20 units lab)
4.00 hours lecture, 16.00 lab

Provides students with the information and hands-on experience needed to effectively use the Tactical Rifle utilizing various unconventional shooting positions, and various tactical movements.

LEPD 046 FIREARMS/SHOTGUN TRANSITION
Units: 0.15 (0.10 units lecture, 0.05 units lab)
3.00 hours lecture, 5.00 hours lab

Provides an introduction and overview of current agency issued duty shotgun.

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LEPD 047 BASIC COLLISION INVESTIGATION

Units: 1.50 (1.40 units lecture, 0.10 units lab)
34.00 hours lecture, 4.00 hours lab

Provides the fundamentals of traffic collision investigation, including basic reporting requirements, determination of the cause of collisions, and traffic control and enforcement.

LEPD 047A TRAFFIC COLLISION INVESTIGATION - INTERMEDIATE

Units: 2.00 (1.90 units lecture, 0.10 units lab)
34.00 hours lecture, 6.00 lab

Introduces the basics of tire mark identification and analysis. Includes identification of the various types of tire marks, documentation and measurements, terms and definitions relating to tire mark investigations, case preparation and courtroom testimony, determination of coefficient of friction and drag factor, and speed estimates using various equations.

LEPD 047B ENHANCED COLLISION INVESTIGATION

Units: 2.00 (2.00 units lecture)
40.00 hours lecture
Provides an understanding of vehicle dynamics, tire marks, scale map techniques and other information found at a motor vehicle accident scene. Students will learn how to make courtroom presentations in a clear and concise format.

LEPD 048 DISPATCHER: ETHICS AND INTEGRITY

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Explores the dynamics of ethical decision-making and assists with developing a methodology for examining ethical issues as a police department employee.

LEPD 048A DISPATCH ETHICS AND LEADERSHIP

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Explores the dynamics of leadership and their application within ethical decision making situations.

LEPD 048B IMPLICIT BIAS FOR DISPATCHERS

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides students with fundamental concepts and principles regarding the problems with profiling and implicit bias. Students will examine how racial profiling, implicit bias, and stereotypes impact individual interactions with citizens and overall trust within the community.

LEPD 049 MULTI-ASSUALT COUNTER TERRORISM CAPABILITIES (MACTAC)

Units: 0.15 (0.10 units lecture, 0.05 units lab)
5.00 hours lecture, 3.00 hours lab

Develops the student's basic skills in Multi-Assault Counter Terrorism Action Capabilities (MACTAC) to a proficient level that enables the student to immediately deploy a contact team or squad able to locate and neutralize violent assaults and/or terrorist acts.

LEPD 049A MASS-VIOLENCE TACTICAL RESPONSE

Units: 0.15 (0.05 units lecture, 0.10 units lab)
2.00 hours lecture, 6.00 hours lab

Examines basic skills in Multi-Assault Counter Terrorism Action Capabilities (MACTAC) principles and Immediate Action Rapid Deployment (IARD) tactics for use in a MACTAC incident.

LEPD 050 CIVILIAN SUPERVISOR SCHOOL

Units: 2.00 (4.00 units lecture)
80.00 hours lecture

Recommended Preparation: LEPD-010

Provides civilian supervisors with the necessary tools to effectively lead and manage both sworn and civilian employees. This class is recommended for LAPD supervisors or students preparing for a LAPD supervisory position, and that have a nomination from a commanding officer.

LEPD 051 PUBLIC SAFETY DISPATCHER BASIC

Units: 8.25 (8.00 units lecture, 0.25 units lab)
146.00 hours lecture, 14.00 hours lab

Covers the basic roles, responsibilities, and duties of a public safety dispatcher. Provides training in the skills and knowledge needed for practical application in the law enforcement communication center.

LEPD 051A DISPATCHER - OFFICER SAFETY AWARENESS

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Identifies complacency issues in dispatching and their effects on possible threats to officer safety. Topics include communications, threat assessment, and high-risk calls.

LEPD 051B DISPATCHER UPD PUBLISC SAFETY

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides Police Service Representatives "Public Safety Dispatcher," with the tools and information to improve their performance as a Dispatcher. Topics include conflict to collaboration, false alarm system, electronic satellite pursuit, remote out of vehicle emergency radio electronic book and Orion mapstar system.

LEPD 051C ENHANCED DISPATCH ASSISTANCE FOR PATROL PERIMETERS - PRINCIPLES

Units: 0.15 (0.10 units lecture, 0.05 units lab)
6.00 hours lecture, 2.00 hours lab

Provides students with the skills and knowledge to assist field officers with establishing and coordinating perimeters. Topics include apprehension vs containment, K-9 criteria, perimeter concepts and establishing a perimeter.

LEPD 052 JUVENILE PROCEDURES SCHOOL

Units: 0.75 (0.75 units lecture)
32.00 hours lecture

Presents information for agency personnel newly assigned to juvenile matters.

LEPD 053 VICE SCHOOL

Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Provides an overview of vice operations, unit operations, procedures and responsibilities, and risk management issues for investigators.

LEPD 054 GANG AWARENESS BASIC

Units: 1.00 (1.00 unit lecture)

24.00 hours lecture

Prepares all gang impact team members assigned to GED/CLEAR to gather gang-related intelligence and information, identify gang crime patterns, monitor gang activity, and implement crime suppression strategies.

LEPD 055 BUILDING THE COMMUNITY LEADER

Units: 1.50 (1.35 units lecture, 0.15 units lab)
30.00 hours lecture, 10.00 hours lab

Provides the knowledge, techniques, and leadership skills necessary for building positive community relations and engaging the public with empathy and understanding.

LEPD 055A COMMUNITY ENGAGEMENT/ BUILDING TRUST

Units: 0.25 (0.25 units lecture)

8.00 hours lecture

Examines basic skills in Multi-Assault Counter Terrorism Action Capabilities (MACTAC) principles and Immediate Action Rapid Deployment (IARD) tactics for use in a MACTAC incident.

LEPD 055B IMPLICIT BIAS AND COMMUNITY POLICING

Units: 0.15 (0.15 units lecture)
6.00 hours lecture

Examines the causes, consequences and solutions regarding implicit bias and racial profiling, and their potential impact on community policing.

LEPD 055C COMMUNITY POLICE RELATIONS

Units: 1.00 (1.00 unit lecture)
24.00 hours lecture

Provides best practices to work collaboratively with the community, develop effective partnership, apply effective outreach strategies, communicate intentions when building relationships, identify resources to improve community/police relations, and describe the specific needs and priorities of the community.

LEPD 055D COMMUNITY ENGAGEMENT/ BUILDING TRUST

Units: 0.25 (2.00 units lecture)
6.50 hours lecture

Explores the skills and best practices to work collaboratively with the community solving quality of life issues.

LEPD 055E CHILD PASSENGER SAFETY TECH

Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Explores child passenger safety standards based on the Federal safety program which includes crash dynamics, protection systems, child safety seat selection and installation, and organizing/coordinating a child safety seat checkup event.

LEPD 056 LAW ENFORCEMENT PROTECTIVE MEASURES

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides the knowledge and skills needed to respond to and manage incidents involving acts of terrorism, including the concepts of terrorist threats, terrorist activities, weapons of mass destruction, potential targets of terrorism, incident command and law enforcement response actions, and prevention methods.

LEPD 057 WEAPONS OF MASS DESTRUCTION (WMD) UPDATE

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides an update to terrorist operation, knowledge and skills in the use of PPE and general protective response actions.

LEPD 057A LESS-LETHAL WEAPONS INSTRUCTOR

Units: 0.50 (0.45 units lecture, 0.05 units lab)
14.00 hours lecture, 2.00 hours lab

Develops the training skills necessary to effectively teach the deployment of Direct Impact Less-Lethal 40mm Munitions in individual aggressive combat and Crowd Control.

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LEPD 057B LESS-LETHAL WEAPONS
Units: 0.15 (0.10 units lecture, 0.05 units lab)
6.00 hours lecture, 2.00 hours lab

Provides certification and proficiency in advanced less-lethal deployment skills during complex crowd control environments

LEPD 059 VEHICLE THEFT INVESTIGATION, PATROL
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides patrol officers with the necessary tools and knowledge when handling auto theft investigations.

LEPD 060 DUI – DRIVING UNDER THE INFLUENCE
Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Provides peace officers with the knowledge, skills, and abilities to effectively increase the deterrence of Driving Under the influence (DUI) violations, resulting in a reduction of the number of collisions, deaths, and injuries caused by impaired drivers.

LEPD 060A ADVANCED ROADSIDE IMPAIRED DRIVER ENFORCEMENT (ARIDE)
Units: 0.50 (0.50 units lecture)
16.00 hours lecture

Provide the opportunity to observe, identify, and articulate the signs of impairment related to drugs, alcohol, or a combination of both in order to reduce the number of impaired driving incidents, serious injuries and fatal car crashes.

LEPD 061 NARCOTICS SCHOOL
Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Designed for field officers and intended to provide the most current information available concerning drug identification and narcotics investigations. POST certified and CPT awarded.

LEPD 061A NARCOTICS INVESTIGATION
Units: 1.00 (1.00 unit lecture)
24.00 hours lecture

Explores the skills used to conduct basic narcotic investigations.

LEPD 062 DRUG RECOGNITION EXPERT RECERTIFICATION
Units: 0.25 (1.00 unit lecture)
8.00 hours lecture

Provides the student with updated material relating to narcotics and current drug tends. Reviews the legal environment and DWI statistics.

LEPD 063 DRUG INFLUENCE 11550 H&S
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides an introduction to enforcement of 11550 H/S, Under the Influence of Controlled Substances.

LEPD 064 OFFICER SAFETY FIELD TACTICS UPDATE
Units: 0.75 (0.25 units lecture, 0.50 units lab)
12.00 hours lecture, 20.00 hours lab

Provides students with an increased knowledge of department policy and procedures. Ensures students are updated on changes in tactical options available and increases their ability to articulate policy. Ensures training is consistent with Use of Force Policy and force options.

LEPD 065 ARREST AND CONTROL INSTRUCTOR PART 1
Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Provides basic concepts and method application of arrest and control techniques including joint locks, pugilistic, and ground control techniques as required by an arrest and control instructor.

LEPD 066 DRUG RECOGNITION EXPERT INSTRUCTOR
Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Designed to prepare students for the drug evaluation instructor role. Topics include adult learning styles, delivery of instruction, and DRE course content.

LEPD 067 OFFICER SAFETY FIELD TACTICS INSTRUCTOR
Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Provides training in skills necessary to become an Officer Safety/Field Tactics Instructor.

LEPD 068 DOMESTIC VIOLENCE/SEX ASSAULT INVESTIGATION
Units: 0.50 (0.50 units lecture)
16.00 hours lecture

Instructs investigative personnel in the proper handling of domestic violence and sexual assault crimes.

LEPD 069 TRAFFIC COLLISION TRAINING UPDATE
Units: 0.25 (0.20 units lecture, 0.05 units lab)
5.00 hours lecture, 11.00 hours lab

Designed to re-familiarize the collision investigator with current policies and procedures. Builds upon curriculum taught in the Basic Collision Investigation course and field situations.

LEPD 070 BASIC AUDITOR COURSE
Units: 1.00 (1.00 unit lecture)
24.00 hours lecture

Provides students with skills necessary for auditing police departments. Focuses on risk assessment, audit planning procedures, and sampling techniques.

LEPD 071 RADAR LASER OPERATOR SCHOOL
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides an overview of radar laser operation standards and procedures of usage for law enforcement. Topics include scientific principles, operational considerations, device operation, and legal considerations.

LEPD 072 ARREST AND CONTROL INSTRUCTOR UPDATE
Units: 1.00 (1.00 unit lecture)
24.00 hours lecture

Provides students with the opportunity to refresh and update training skills necessary to maintain Arrest and Control Instructor Certification.

LEPD 073 ARREST AND CONTROL TECHNIQUES UPDATE
Units: 0.50 (0.50 unit lecture)
10.00 – 16.00 hours lecture

Provides instruction and practice in the arrest and control procedures, including basic joint locks, walk-downs, and takedowns in arrest and control.

LEPD 074 ICS-300: INTERMEDIATE ICS FOR EXPANDING INCIDENTS
Units: 1.00 (1.00 unit lecture)
20.00 hours lecture

Expands knowledge of ICS organization and operation with regard to supervisory roles on expanding or type 3 incidents. Includes ICS fundamentals review, incident/ event assessment and agency guidance in establishing incident objectives, incident resource management, planning process, demobilization, transfer of command, and close out.

LEPD 075 FIELD TRAINING OFFICER UPDATE
Units: 1.00 (1.00 unit lecture)
24.00 hours lecture

Provides updated knowledge related to field training officer procedures, techniques, and policies.

LEPD 076 INTERNAL AFFAIRS INVESTIGATIONS
Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Designed to prepare internal affairs investigators and station or agency personnel complaint investigators to work successfully in the complaint investigation environment.

LEPD 076A OFFICER INVOLVED INCIDENT INVESTIGATION
Units: 1.00 (1.00 unit lecture)
24.00 hours lecture

Provides tools necessary while investigating critical officer involved incidents.

LEPD 077 WMD – LAW ENFORCEMENT RESPONSE ACTIONS
Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 hours lab

Provides students with the knowledge and skills to execute response actions as a law enforcement official during an incident concerning weapons of mass destruction.

LEPD 078 FIREARMS TACTICAL (ADVANCED)
Units: 0.15-2.00
(0.10-1.00 units lecture, 0.05-1.00 lab units)
2.00-18.00 hours lecture, 6.00-54.00 hours lab

Provides firearm safety rules, advanced tactics and techniques in the use of a handgun and shotgun, advanced weapon manipulation skills, combat shooting, and marksmanship proficiency.

LEPD 079A ORGANIZATIONAL WELLNESS
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Explores the four parts of wellness, including physical, social, emotional and cognitive wellness and learn strategies to mitigate conflict in the workplace and create the optimal workplace climate.

LEPD 079B LEADERSHIP DEVELOPMENT COURSE
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Explores the culture of their respective organization, broader leadership philosophies, and communication techniques to navigate complex leadership situations and create the optimal workplace climate.

LEPD 079D LEADERSHIP DEVELOPMENT-MENTORING
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Focuses on the skills to transfer insight and advice to others in a similar career path.

LEPD 080 RADAR OPERATOR COURSE
Units: 1.00 (0.05 units lecture, 0.20 units lab)
20.00 hours lecture, 12 hours lab

Introduces the student to the policies, procedures, techniques, and laws related to the use of radar equipment for traffic enforcement.

LEPD 081 FIREARMS LONG RIFLE INSTRUCTOR (RITS)
Units: 1.00 (0.50 units lecture, 0.50 units lab)
13.50 hours lecture, 22.50 hours lab

Provides students an opportunity to develop the training skills necessary to become firearms- long rifle instructors.

Continued on the next page.

LEPD 082 FIREARMS SEMI-AUTOMATIC PISTOL 1911
Units: 0.50 (0.25 units lecture, 0.25 units lab)
10.00 hours lecture, 20.00 hours lab

Designed to prepare students for safe and proficient operation of a semi-automatic pistol. This includes the proper manipulation, marksmanship, maintenance, parts replacement, care, and cleaning of this weapon system.

LEPD 082A FIREARMS/SUB-MACHINE GUN
Units: 0.25 (0.05 units lecture, 0.20 units lab)
2.00 hours lecture, 18.00 hours lab

Provides instruction on how to safely and proficiently operate the Heckler & Koch MP7 semi-automatic personal defense weapon. Topics include proper manipulation, marksmanship, maintenance, parts replacement, care and cleaning of this weapon system.

LEPD 082B RIFLE MARKSMANSHIP-SNIPER ADVANCED
Units: 1.00 (0.50 units lecture, 0.50 units lab)
13.00 hours lecture, 27.00 hours lab

Provides students skills, knowledge and techniques to successfully utilize the sniper rifle in tactical situations, to become a Rifle Marksman-Sniper.

LEPD 082C CONCEAL CARRY CERTIFICATION FOR LAW ENFORCEMENT
Units: 0.15(0.05 units lecture, 0.10 units lab)
2.00 hours lecture, 6.00 hours lab

Develops a baseline competency in the safe deployment of concealed firearms using a variety of drawing techniques.

LEPD 083 BICYLCE PATROL SCHOOL
Units: 0.40 (0.20 units lecture, 0.20 units lab)
4.00 hours lecture, 12.00 hours lab

Provides students with the basic fundamentals, knowledge, and skills required for bicycle patrol in a law enforcement environment.

LEPD 084 DRIVER AWARENESS INSTRUCTOR COURSE
Units: 0.50 (0.35 units lecture, 0.15 units lab)
12.00 hours lecture, 12.00 hours lab

Provides the student with current information relating to their duties as driving Instructors. Focuses on the latest driving methods.

LEPD 085 SURVEILLANCE TECHNIQUES
Units: 1.00 (1.00 unit lecture)
24.00 hours lecture

Provides students with a basic understanding of surveillance concepts and techniques.

LEPD 086 ARREST AND CONTROL INSTRUCTOR PART 2
Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Prerequisite: LEPD-065

Reviews techniques taught in the Basic Arrest and Control course as well as adult learning methods, model teaching of techniques, and legal issues facing instructors. Prepares instructors to teach the 40-hour Basic Arrest and Control course.

LEPD 087 FIREARMS TACTICAL SHOTGUN INSTRUCTOR
Units: 0.50 (0.25 units lecture, 0.25 units lab)
8.00 hours lecture, 16.00 hours lab

Provides students with the skills required to safely deliver department standardized shotgun instruction. Topics include training methods, shotgun manipulations, and department policy.

LEPD 088 DRUG RECOGNITION EXPERT SCHOOL
Units: 4.00 (4.00 units lecture)
72.00 hours lecture

Provides detailed instruction on the recognition of persons under the influence of alcohol and/or drugs. Includes the recording and preservation of evidence for presentation in court.

LEPD 089 PC 832 ARREST ONLY
Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Provides the student with the knowledge, skills, and laws necessary to conduct arrests that comply with California law, including aspects of community relations, cultural diversity, use of force, crimes against the justice system, laws of arrest, use of the baton and search and seizure.

LEPD 090 MOTORCYCLE TRAINING
Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
20.00 hours lecture, 60.00 hours lab

Provides students with the techniques of riding dual purpose motorcycles safely on and off-road. Includes slow cone patterns training and off-road riding skills. Also provides instruction and practical application in pullover and approach, live fire exercise, emergency braking and collision avoidance maneuver techniques.

LEPD 091 FIREARMS TACTICAL SHOTGUN
Units: 0.25 (0.15 units lecture, 0.35 units lab)
4.00 hours lecture, 20.00 hours lab

A fundamental course in the use of the Benelli shotgun utilizing knowledge, skills, techniques, and tactical decision making in the use of the shotgun.

LEPD 092 HANDGUN INSTRUCTOR SCHOOL (HITS)
Units: 1.25 (0.90 units lecture, 0.35 units lab)
20.00 hours lecture, 20.00 hours lab

Provides students with the techniques necessary to teach firearms handgun school. Reviews teaching methodology and foundational handgun skills.

LEPD 093 FIREARMS SEMI-AUTO HANDGUN DE-COCKER TRANSITION
Units: 0.25 (0.15 units lecture, 0.10 units lab)
10.00 hours lecture, 20.00 hours lab

Provides training so officers will be able to safely and proficiently operate and care for a traditional double action semi-automatic pistol with de-cocking levers.

LEPD-094A ACTIVE BYSTANDERSHIP FOR LAW ENFORCEMENT (ABLE) INSTRUCTOR
Units: 1.00 (1.00 unit lecture)
24.00 hours lecture

Examines framework and practical application of Active Bystandership in order to instruct and promote the benefits and positive impact within the law enforcement profession and community.

LEPD 094B ACTIVE BYSTANDERSHIP FOR LAW ENFORCEMENT (ABLE)
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Introduces the philosophy and science of active bystandership to effectively intervene and de-escalate interactions within the standards of policing.

LEPD 095 INTERVIEW AND INTERROGATION
Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Provides students with interrogation tools that can be employed or amended depending on the psychology, non-verbal cues, or actions of the suspect.

LEPD 096 MENTAL HEALTH INTERVENTION
Units:2.00 (2.00 units lecture)
36.00 hours lecture

Introduces the necessary skills and ability to identify people with mental illness and effectively assess, communicate, intervene, manage field encounters, and prepare accurate documentation.

LEPD 096A MENTAL HEALTH INTERVENTION
Units: 0.50 (0.50 units lecture)
16.00 hours lecture

Provides fundamental concepts and principals to effectively complete an investigation involving persons suspected of having mental illness.

LEPD 097 MOTORCYCLE TRAINING INSTRUCTOR
Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
25.00 hours lecture, 55.00 hours lab

Introduces the concepts and skills necessary to become motorcycle Instructors, including training techniques to properly demonstrate and complete all of the motor exercises used in the Basic Motorcycle Course.

LEPD 098 AIRCREW COURSE
Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Introduces the concepts, skills and responsibilities necessary to become a Tactical Flight Officer (TFO).

LEPD 099 ICS 400: ADVANCED ICS
Units: 0.50 (0.50 units lecture)
16.00 hours lecture

An advanced Incident Command System (ICS) course for those who are involved in the administration or application of the ICS at the local, state, or federal level.

LEPD 099A CRITICAL INCIDENT RESPONSE-SUPERVISOR-MANAGER
Units: 0.25 (0.25units lecture)
8.00 hours lecture

Provides working knowledge of Critical Incident Management; Command, Control and Coordination techniques and Incident Command System (ICS).

LEPD 100 BASIC ACADEMY
Units: 24.00 (11.00 units lecture, 13.00 units lab)
CSU 198.00 hours lecture, 706.00 hours lab

Provides training in basic law enforcement tactics and techniques specifically used by the Los Angeles Police Department. Examines community relations, criminal law, criminal evidence, patrol procedures, investigation, vehicle codes, vehicle operations, communications, physical conditioning, health and safety, self-defense tactics, weapons, and marksmanship.

LEPD 100A BASIC ACADEMY PART 1
Units: 12.00 (5.50 units lecture, 13.00 units lab)
CSU 99.00 hours lecture, 353.00 hours lab

Introduces and initiates training in basic law enforcement tactics and techniques specifically used by California law enforcement agencies. Examines community relations, criminal law, criminal evidence, patrol procedures, evidence procedures, vehicle codes, vehicle operations, communications, physical conditioning, health and safety, self-defense tactics, weapons, and marksmanship.

LEPD 100B BASIC ACADEMY PART 2
Units: 12.00 (5.50 units lecture, 13.00 units lab)
CSU 99.00 hours lecture, 353.00 hours lab

Continuation of basic training in law enforcement tactics and techniques specifically used by California law enforcement agencies. Examines rules of evidence, investigative reporting, marksmanship, weapons violations, information systems, custody and jail operations, controlled substances, First aid & CPR, people with disabilities, juveniles, hazardous

LEPD 110 SUPERVISOR SCHOOL
Units: 4.00-8.00 (3.90-7.90 units lecture, 0.10 units lab)
CSU 76.00-152.00 hours lecture, 4.00-8.00 hours lab

Provides the student with fundamental concepts and principles of effective supervision. Focuses on management, reporting, and procedure techniques required in the field.

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LEPD 110A SUPERVISOR SCHOOL
Units: 4.00 (4.00 units lecture)
80.00 hours lecture

Provides the student with fundamental concepts and principles of effective supervision.

LEPD 110B SUPERVISOR SCHOOL (NON-POST)
Units: 1.90 (1.75 units lecture, 0.15 units lab)
32.00 hours lecture, 8.00 hours lab

Provides fundamental concepts and principles of effective supervision with an emphasis in procedural techniques required in the field.

LEPD 111 LEADERSHIP PART I
Units: 2.00 (2.00 units lecture)
CSU 40.00 hours lecture

Introduces the role of the supervisor in the area of leadership. Presents modern behavioral science theories to enhance student's understanding of human motivation, satisfaction, and performance.

LEPD 112 LEADERSHIP PART II
Units: 1.50 (1.50 units lecture)
CSU 32.00 hours lecture

Provides framework to help supervisors organize their knowledge and experience into effective leader actions and integrate the course content into daily leadership practices.

LEPD 113 LEADERSHIP PART III
Units: 1.50 (1.50 units lecture)
CSU 32.00 hours lecture

Presents challenges to develop and achieve personal potential and integrate the course content into daily leadership practices.

LEPD 114 LEADERSHIP PART IV
Units: 1.50 (1.50 units lecture)
CSU 32.00 hours lecture

Prerequisite: LEPD-113

Presents an overview of leadership styles and how, as a supervisor, those styles impact daily work.

LEPD 117 BASIC COURSE MODULE I
Units: 15.00 (10.75 units lecture, 4.25 units lab)
202.00 hours lecture, 229.00 hours lab

Introduction to peace officer strategies and techniques. Topics include Crisis intervention, Juvenile Crime, Domestic Violence, Gang Awareness, Emergency Management, Firearms/Chemical Agents, Arrest and Control, Crime Scenes, Evidence, Vehicle Operations and Traffic Collision Investigations.

LEPD 118 BASIC COURSE MODULE II
Units: 11.00 (9.50 units lecture, 1.50 units lab)
CSU 176 hours lecture, 88.00 hours lab

Prerequisite: Successful completion of the level III module and must be current (within three years) in: 1) First Aid/CPR training prescribed by the Emergency Medical Services Authority set forth in the California Code of Regulations Title 22 (100026(b)) and Penal Code 13518; and 2) Arrest & Firearms (PC 832) training requirements. Module III End-of-Course Proficiency Test must have been taken and passed prior to being admitted to the course.

Provides effective leadership skills, components of leadership, responsibilities of leaders, and the impact of their leadership.

LEPD 119 BASIC COURSE MODULE III
Units: 4.00 (2.50 units lecture, 1.50 units lab)
52.00 hours lecture, 83.00 hours lab

Covers the components of leadership, the responsibility to lead and the impact of peace officer leadership.

LEPD 120 WATCH COMMANDER SCHOOL
Units: 1.50 (1.50 units lecture)
CSU 32.00 hours lecture

Introduces the various responsibilities associated with the watch commander position.

LEPD 121 DETECTIVE SCHOOL
Units: 2.00 (2.00 units lecture)
CSU 40.00 hours lecture

Provides detectives and detective trainees with information necessary to perform their assignments. Topics include report writing, crime scenes, evidence, surveillance, warrants, interview and interrogation, case presentation, and courtroom testimony.

LEPD 121A INTELLIGENCE AND CRIME ANALYSIS, LEVEL 1
Units: 0.25 (0.25 units lecture)
CSU 8.00 hours lecture

Prepares students to perform an analytic review of Open Source Media including social media for intelligence, evidence gathering and investigative purposes.

LEPD 122 COMMAND OFFICER DEVELOPMENT
Units: 3.50 (1.50 units lecture, 2.00 units lab)
CSU 34.00 hours lecture, 110.00 hours lab

Introduces skills necessary to effectively manage the new role and the expectation of a commanding officer.

LEPD 122A COMMUNICATIONS TRAINING OFFICER
Units: 2.00 (2.00 units lecture)
40.00 hours lecture

Provides comprehensive instruction and prepares personnel for duties serving as a Communications Training Officer (CTO) for a law enforcement organization.

LEPD 123 BASIC HOMICIDE SCHOOL (PRESLEY)
Units: 2.00 (1.95 units lecture, 0.05 units lab)
CSU 36.00 hours lecture, 4.00 hours lab

Provides the training needs of detectives responsible for investigating homicides.

LEPD 140 ICI CRIMINAL INVESTIGATION CORE COURSE
Units: 4.00 (4.00 units lecture)
CSU 80.00 hours lecture

Provides training for law enforcement personnel assigned to follow-up investigations. The core course contains curriculum generic to all investigation specialties.

LEPD 141 ICI BURGLARY
Units: 2.00 (2.00 units lecture)
CSU 40.00 hours lecture

Designed for the training needs of investigators assigned to investigate burglary, theft, and receiving stolen property crimes. Provides students with the duties and responsibilities frequently faced during these types of investigations.

LEPD 142 ICI VEHICLE THEFT FOUNDATION
Units: 2.00 (2.00 units lecture)
CSU 40.00 hours lecture

Provides officers assigned to the vehicle theft investigation unit with the necessary information and techniques to conduct investigations.

LEPD 144 ICI SEXUAL ASSUALT INVESTIGATION
Units: 2.00 (2.00 units lecture)
CSU 40.00 hours lecture

Presents a five-module course over the length of 40 hours, focusing on sexual offender typology, victim advocacy, collection of evidence, investigative procedures, and medical and forensic exams are covered extensively.

LEPD 145 GANG INVESTIGATION COURSE
Units: 2.00 (2.00 units lecture)
CSU 40.00 hours lecture

Designed to develop law enforcement personnel capable of investigating and testifying in gang related criminal trials.

LEPD 200 ACADEMY INSTRUCTOR CERTIFICATION COURSE LEVEL 1
Units: 2.00 (2.00 units lecture)
CSU 40.00 hours lecture

Introduces the principles, concepts, theories, and skills required to qualify as a Police Academy Instructor according to POST standards.

LAW ENFORCEMENT, SHERIFF DEPARTMENT ADVANCED TRAINING - (LESD)

LESD 001 FIREARMS (PSP)
Units: 0.15 (0.15 units lab)
8.00 hours lab

Provides the student with the minimum topics of tactical firearms and lethal force required in the POST perishable skills program (PSP).

LESD 002 FIREARMS/TACTICAL RIFLE UPDATE
Units: 0.15 (0.15 units lab)
8.00 hours lab

Provides the student with instruction that meets or exceeds the minimum topics of patrol rifle and lethal force required in the POST perishable skills patrol rifle program.

LESD 002A FIREARMS/TACTICAL SHOTGUN COURSE
Units: 0.25 (0.10 units lecture, 0.15 units lab)
2.00 hours lecture, 14.00 hours lab

Provides relevant foundations for basic semi-automatic shotgun techniques, nomenclature, fundamentals of marksmanship, use of force issues, operation, malfunctions and applicable live fire line drills.

LESD 003 RED DOT SIGHT PISTOL TRANSITION
Units: 0.50 (0.40 units lecture, 0.10 units lab)
8.00 hours lecture, 8.00 hours lab

Provides students with the information and hands-on experience needed to effectively use a handgun equipped with a pistol mounted optic (PMO). This course will train personnel in the nomenclature, function, and use of PMOs.

LESD 003A CONCEALED CARRY CERTIFICATION
Units: 0.15 (0.05 units lecture, 0.10 units lab)
1.00 hour lecture, 7.00 hours lab

Provides the hands-on experience and skills required to effectively conceal carry a handgun on or off duty for personnel who work undercover assignments.

LESD 004 SELF-CARE
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Examines topics related to self-care such as stress management, burnout, and personal wellness planning. Students will learn the process necessary to develop a personalized wellness plan to aid them in managing their stress and help lead them to a happier/healthier lifestyle.

Continued on the next page.

LESD 005 CORRECTIONAL LINE OFFICER REFRESHER COURSE
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides updated policies and procedures governing operations within the Los Angeles County Sheriff's Department's correctional facilities to personnel who are not regularly assigned to Custody Division. Topics include equipment, security checks, count procedures, restraints, emergency response procedures, use of force, and risk management concerns.

LESD 006 CUSTODY SQUAD TACTICS
Units: 0.25 (0.25 units lecture)
8.00 hours lab

Provides students with the knowledge and skills necessary to respond to emergencies as part of an Emergency Response Team (ERT). Topics include response tactics, squad formations, principles associated with the O.O.D.A. Loop, and the use of less lethal weapons.

LESD 007 CUSTODY DIVISION FORCE POLICY
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides students with the knowledge and skills necessary to apply department policies during incidents involving the use or witness to use of force.

LESD 009 FIRST AID/CPR/AED REFRESHER
Units: 0.15 (0.15 units lab)
8.00 hours lab

Provides knowledge and skills for basic first aid techniques, Cardiopulmonary Resuscitation, AED operation and relevant policies and procedures.

LESD 010 ARREST CONTROL/DRIVER TRAINING (PSP)
Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 hours lab

Provides continued professional training in P.O.S.T. perishable skills.

LESD 010A DRIVER TRAINING (EVOC) UPDATED PURSUIT INTERVENTION TECHNIQUE - DRIVER TRNG (EVOC) UPD (PIT)
Units: 0.15 (0.15 units lab)
8.00 hours lab

Explores the legal application of laws and policies pertaining to the Pursuit Intervention Technique (PIT) and skills to properly perform the driving maneuver.

LESD 010B DRIVER AWARENESS UPDATE
Units: 0.15 (0.15 units lab)
8.00 hours lab

Introduces basic driving and other inter-related principles to increase overall safety to the public, reduce accident statistics and Department liability.

LESD 010C DRIVING - EXECUTIVE PROTECTION
Units: 0.15 (0.15 units lab)
8.00 hours lab

Examines the necessary tools to safely and effectively apply vehicle control techniques while safeguarding an Executive.

LESD 010D DRIVER TRAINING ALTERNATIVE TECHNIQUES REFRESHER
Units: 0.15 (0.15 units lab)
8.00 hours lab

Provides the student with tools and concepts to re-enforce safe alternative driving techniques while responding to emergencies.

LESD 010E DRIVING TRAINING (EVOC) ADVANCE PURSUIT
Units: 0.15 (0.15 units lab)
8.00 hours lab

Explores the operation and vehicle control techniques of a patrol vehicle while driving code-3 and in a pursuit environment.

LESD 010F DRIVER TRAINING INSTRUCTOR
Units: 0.50 (0.50 units lab)
40.00 hours lab

Provides students skills and techniques to instruct Driver Training courses focused on Emergency Driving, Emergency Vehicle Operation, and Law Enforcement Pursuit Driving.

LESD 010G DRIVER AWARENESS INSTRUCTOR
Units: 0.25 (0.25 units lab)
24.00 hours lab

Provides students with an increased knowledge of pertinent California Vehicle code sections, POST guidelines and agency policies. Students will prepare and deliver teaching plans both in the classroom and on the driving course.

LESD 010H EVOC DRIVER TRAINING UPDATE
Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 hours lab

Explores the operation of a police unit under emergency vehicle operations.

LESD 010J DRIVER TRAINING UPDATE
Units: 0.25 units (0.15 lecture units, 0.10 lab units)
4.00 hours lecture, 4.00 hours lab

Provides knowledge and skills in driver training awareness, basic driving principles, legal and moral aspects, and defensive driving and maneuvering.

LESD 011 BASIC TACTICAL COMMUNICATIONS
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Designed to teach students basic communication skills needed to effectively communicate with inmates in a custody setting.

LESD 011A EFFECTIVE COMMUNICATION
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides knowledge and skills necessary to communicate effectively performing various types of interactions while on duty. Topics discussed include core components of communication, barriers in communication, types of listening, body language, body positioning, perception, conflict resolution and sources of conflict.

LESD 014 PRISONER TRANSPORTATION SECURITY
Units: 0.25 (0.25 units lecture)
8.00 lecture

Familiarizes students with department rules and regulations in the transporting of prisoners and their safety.

LESD 015 JAIL INTELLIGENCE GATHERING
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Designed to provide the participant with valuable knowledge in the art of Analytical and Cognitive Interviewing and Interrogation techniques. Participants will be able to gain an understanding of how important an effective interview can be.

LESD 016 BASIC REPORT WRITING SKILLS
Units: 0.15 (0.15 units lab)
8.00 hours lecture

Provides students with the basic report writing skills needed to investigate and write reports. Uses written exercises and practical application to assist the students in basic report writing skills and techniques.

LESD 018 SUPERVISORY LINE DEPUTY - SUPERVISORY COURSE
Units: 1.00 (0.90 units lecture, 0.10 units lab)
19.00 hours lecture, 5.00 hours lab

Introduces the essential supervisory principles and concepts that lead students to accomplish daily supervisory tasks. The students will develop skills that will assist them in problem solving and critical decision-making.

LESD 019 ANGER MANAGEMENT AND EFFECTIVE COMMUNICATION
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides advanced skills and techniques to enable students to effectively communicate and deal with aspects of anger and practice anger management.

LESD 019A MANAGING ANGER AND STRESS
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Develops skills necessary to identify and manage anger and stress to improve overall health and maintain a healthier lifestyle.

LESD 020 FIREARMS/TACTICAL RIFLE
Units: 0.50 (0.40 units lecture, 0.10 units lab)
8.00 hours lecture, 8.00 hours lab

Provides instruction on department approved use of the AR-15 rifle.

LESD 020A FIREARMS SEMI-AUTO PISTOL 1911
Units: 0.25 (0.10 units lecture, 0.15 units lab)
2.00 hours lecture, 14.00 hours lab

Provides the necessary tactical knowledge and skills to succeed in a realistic lethal force encounter. Topics discussed include tactical analysis, Use of Force/Firearm policy, and Weapons Safety. Skills developed consist of hands-on/practical firearms training using a single action only (SAO) firearm for in-service officers.

LESD 021 ADVANCED REPORT WRITING
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Designed to enhance the student's investigative and report writing skills. Provides a description of supplemental reports and report writing rules.

LESD 023 DRUG RECOGNITION
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Develops skills necessary for basic drug investigations in a custodial setting. Course covers symptomology for persons under the influence of the most commonly abused drugs, drug & drug paraphernalia recognition, evidence collection and report writing.

LESD 024 SQUAD TACTICS
Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4 hours lab

Designed to prepare students with departmentally approved emergency response procedures for riot situations in the custody environment. Provides detailed information pertaining to tactical formations in squad and platoon size deployments.

LESD 026 INMATE EXTRACTIONS
Units: 0.15 (0.10 units lecture, 0.05 units lab)
2.50 hours lecture, 5.50 hours lab

Provides students with the knowledge and skills necessary to conduct cell extractions. Topics include: key considerations in planning cell extractions, roles of cell extraction team members, and circumstances when a cell extraction is necessary.

LESD 028 CONTROL, ESCORT, RESTRAIN, TAKEDOWN 1
Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 hours lab
Designed to provide students with jail specific restraint techniques. Main topics include various ways to control a resistant inmate resulting in apprehension with minimal injury.

Continued on the next page.

LESD 029 FIREARMS/SEMI-AUTOMATIC PISTOL
Units: 0.25 (0.05 units lecture, 0.20 units lab)
1.50 hours lecture, 14.50 hours lab

Provides training in basic semi-automatic handgun manipulations. Trains students in the nomenclature, function and use of the duty handgun.

LESD 030 ADULT CORRECTIONS OFFICER SUPPLEMENTAL CORE COURSE
Units: 4.50 (4.00 units lecture, 0.25 units lab)
78.00 hours lecture, 18.00 hours lab

Provides the student with the skills and knowledge necessary to perform the basic functions of an entry level corrections officer in a custody environment, including inmate management and supervision, inmate conduct and psychology, booking and release procedures, inmate contraband, processing and releasing, security of inmates, medical screening, and emergency response procedures.

LESD 031A EDGED WEAPON DEFENSE
Units: 0.15 (0.15 units lab)
8.00 hours lab

Provides knowledge and skills necessary to defend against edged weapon attacks in a correctional/custody setting. Trains students distance management, balance and footwork and use of personal weapons and defense against an edged weapon attack.

LESD 032 CRITICAL DECISION MAKING
Units: 4.25 (0.25 units lecture)
8.00 hours lecture

Provides students with knowledge and skills to strategically resolve problems encountered during a critical incident through sound decision making. Students will utilize communication skills, physical skills, and knowledge of policy to successfully complete dynamic scenario training at the end of the course.

LESD 035 CUSTODY TRAINING OFFICER SCHOOL
Units: 1.00 (1.00 unit lecture)
24.00 hours lecture

Designed to assist students with current techniques required of a qualified custody training officer. Topics include the role of the custody training officer, learning supervision, leadership, and communication skills.

LESD 036 HOSTAGE RESCUE FOR CUSTODY ENVIRONMENTS
Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 hours lab

Provides training for the custody officer to respond to a hostage situation in the custody environment and perform a rescue based on department tactics.

LESD 037 CONTROL, ESCORT, RESTRAIN AND TAKEDOWN (CERT) SERIES #2
Units: 0.15 (0.15 units lab)
8.00 hours lab

Introduces handcuffing a resistive and or assaultive person, from a standing, kneeling and grounded position, after establishing control via restraint techniques previously learned in CERT series #1. These techniques were selected as a means of maintaining control while minimizing the potential for injury to the subject.

LESD 038 CONTROL, ESCORT, RESTRAIN AND TAKEDOWN (CERT) SERIES #3
Units: 0.15 (0.15 units lab)
8.00 hours lab

Instructs deputy and custody assistant personnel in managing a safe tactical distance when confronted with a resistive or assaultive person while minimizing the potential for injury.

LESD 039 TASER IN-HOUSE INSTRUCTOR
Units: 0.50 (0.45 units lecture, 0.05 units lab)
12.00 hours lecture, 4.00 hours lab

Provides operational theory and practical training to instructors on effective operation of the taser.

LESD 040 FORCE REFRESHER
Units: 0.15 (0.20 units lecture, 0.05 units lab)
5.00 hours lecture, 3.00 hours lab

Introduces the student to the departments use of force policy, control, search, and handcuffing, situational use of force options chart, and carotid restraint techniques.

LESD 041 ADULT CORRECTIONS OFFICER CORE COURSE
Units: 9.50 (8.50 units lecture, 0.05 units lab)
158.00 hours lecture, 48.00 hours lab

Covers the required knowledge and skills for the entry-level corrections officer assigned to a custody position for the first time.

LESD 042 LEADERSHIP MENTORING AND ETHICS
Units: 0.15 (0.15 units lab)
8.00 hours lab

Provides law enforcement leadership with the knowledge and skills necessary to facilitate discussions, mentor subordinates, and combat unethical behavior by example.

LESD 043 DEFENSE TACTICS FOR WOMEN
Units: 0.15 (0.15 units lab)
8.00 hours lab

Provides the student with defensive techniques specially targeted to women in law enforcement.

LESD 044 ETHICS/CRIME SCENE AND EVIDENCE PRESERVATION
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides students with the knowledge and skills necessary to make sound decisions in accordance with department policies and properly handle a crime scene and evidence collection inside a custody division facility.

LESD 045 DE-ESCALATION AND VERBAL RESOLUTION TRAINING (DeVRT)

Units: 1.50 (1.50 units lecture)
32.00 hours lecture

Examines core concepts that emphasize effective and positive interaction with inmate population dealing with a crisis or a mental or physical disability. Provides an enhanced perspective, on how to react in situations within the correctional environment that warrant the use of de-escalation techniques and communication strategies.

LESD 046 BASIC CUSTODY REPORTS

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides training on the purpose and usage of reports unique to Los Angeles County Sheriff's Department Custody Division. Includes instruction on proper report completion stressing the importance of their use and how it relates to documentation and liability.

LESD 047 INCIDENT REPORT WRITING IN A CUSTODY ENVIRONMENT

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Designed for LA County Sheriff's Department employees with limited report writing skills. Provides students with the basic skills needed to investigate and write incident reports.

LESD 048 USE OF FORCE DOCUMENTATION

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides custody line personnel with the needed information in order to prepare accurate, timely, and complete reports on use of force incidents. Identifies the use of force policies as they relate to the Los Angeles County Sheriff's Department Custody division.

LESD 048A ARREST CONTROL/USE OF FORCE PSP

Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 hours lab

Provides knowledge and skills in use of force as well as arrest control to respond safely and effectively while detaining, investigating or physically restraining due to the nature of behavior or crime committed.

LESD 048B USE OF FORCE INSTRUCTOR

Units: 2.50 (1.00 unit lecture, 1.50 units lab)
19.00 hours lecture, 101.00 hours lab

Provides the fundamental skills to safely and effectively teach law enforcement agents how to instruct proper technique and protocol when detaining, investigating or physically restraining individuals due to the nature of the behavior and/or the crime committed.

LESD 049 RIOT BATON/EXPANDABLE BATON CERTIFICATION

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Designed to instruct and certify sworn personnel in the proper use of departmentally approved custody riot batons and expandable straight batons. Topics include force policy, baton nomenclature, and baton striking and defense techniques for those personnel assigned to all sworn custody facility positions, including for those personnel assigned to perimeter unit, prisoner transportation and inmate visiting center positions.

LESD 050 VALUES BASED DECISION MAKING

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Introduces the concept of decision-making based on departmental core values, while exploring personal values and ethics. Demonstrates the positive and negative influences of group dynamics on individual decision-making and provides techniques on how to maintain individual integrity through communication strategies.

LESD 051 B-SCAN OPERATOR

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides the needed information and hands on instruction to operate the B-SCAN machine correctly.

LESD 052 ETHICS AND SUICIDE PREVENTION

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides the knowledge and skills necessary to identify and avoid ethical violations of LASD policies and procedures, to address suicide as it occurs in a custody setting and to identify the at-risk inmate. Discussion will include events that trigger suicidal situations, symptoms that signal suicide risk, detailed procedures for prevention and intervention measures to ward off suicide.

LESD 052A ETHICS AND SEXUAL ASSAULT/ABUSE AND HARASSMENT FOR CUSTODY (PREA)

Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Provides the knowledge and skills necessary to identify and avoid ethical violations of LASD policies and procedures, to address sexual assault/abuse and harassment in a custody setting and to identify the at-risk inmate. Discussions will include dynamics of sexual assault/abuse and harassment in confinement, observable signs and red flags associated with sexual assault and abuse, zero tolerance as it applies to sexual assault, abuse and harassment, the right and protection to be free from retaliation and inappropriate relationships

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LESD 053 TASER USER
Units: 0.15 (0.10 units lecture, 0.05 units lab)
4.00 hours lecture, 4.00 hours lab
Instructs Law Enforcement Personnel in the presentation on Taser nomenclature, safety, cartridges, case law, tactics, equipment, and techniques used for Taser applications. Students will be provided with the basic operational theory, practical training, and to use proper operation of Taser CEWs.

LESD 054A RESERVE ACADEMY MODULE III
Units: 5.50 (4.00 units lecture, 1.50 units lab)
75.00 hours lecture, 104.00 hours lab

Provides Sheriff Reserve Deputy Level III training in basic law enforcement tactics and techniques specifically designed by the Los Angeles Sheriff's Department.

LESD 054B RESERVE ACADEMY MODULE II
Units: 7.50 (5.50 units lecture, 2.00 units lab)
101.00 hours lecture, 108.00 hours lab

Provides Sheriff Reserve Deputy Level II training in basic law enforcement tactics and techniques specifically designed by the Los Angeles Sheriff's Department.

LESD 055 DE-VRT REFRESHER
Units: 0.25 (0.25 units lecture)
8.00 hours lecture

Examines behavioral cues inmates with mental illness display, situations in which inmates experience crisis and how to effectively communicate and manage problematic behaviors utilizing de-escalation, and crisis interviewing skills.

LESD 060 LAW ENFORCEMENT EXPLORER ACADEMY
Units: 4.50 (2.50 units lecture, 2.00 units lab)
45.00 hours lecture, 117.00 hours lab

Designed to train students for public service employment in law enforcement. Topics includes an overview of job duties, criminal laws, self-defense, evidence collection, first aid and physical training.

LESD 061 PENAL CODE 832 FIREARMS
Units: 0.50 (0.10 units lecture, 0.40 units lab)
2.00 hours lecture, 22.00 hours lab

Examines the safety aspects of firearms use, qualification, range firing, weapon care and cleaning. Provides practical hands on training in police tactics and weapon usage.

LESD 062 FIREARMS/TACTICAL HANDGUN UPDATE
Units: 0.25 (0.25 units lecture)
16.00 hours lecture

Provides students with the minimum topics of tactical firearms (handguns) and lethal force required in the POST perishable skills program (PSP).

LESD 063 CHEMICAL AGENT INSTRUCTO
Units: 0.50 (0.40 units lecture, 0.10 units lab)
8.00 hours lecture, 8.00 hours lab

Prepares students to teach basic and in-service Chemical Agents classes to peace officers. Includes a review of statutory requirements, device deployment, effects of chemical agents, decontamination/care, instruction techniques, and various scenario exercises.

LESD 064 FIREARMS INSTRUCTOR
Units: 1.00 (0.50 units lecture, 0.50 units lab)
10.00 hours lecture, 30.00 hours lab

Explore techniques to safely and effectively teach live fire training of the handgun, shotgun, and rifle. Successful completion of this course will satisfy the POST regulatory requirements to be a Firearms Instructor.

LESD 064A FIREARMS/TACTICAL RIFLE INSTRUCTOR
Units: 0.25 (0.20-0.25 units lecture, 0.05-0.25 units lab)
4.00-8.00 hours lecture, 16.00-20.00 hours lab

Develops skills mandated by California Peace Officer Standards and Training (POST) to be a Rifle Instructor including basic teaching techniques, deploying rifles, nomenclature, fundamentals of marksmanship, use of force issues, operation, malfunctions, and applicable live fire line drills

LESD 064B USE OF FORCE INSTRUCTOR
Units: 0.15 (0.10 units lecture, 0.05 units lab)
2.00 hours lecture, 6.00 hours lab

Provides training needed to effectively use a rifle equipped with a magnifier. Trains students in the nomenclature, function and use of the duty rifle with a scoped carbine magnifier.

LESD 100 BASIC COURSE - INTENSIVE
Units: 24.00 (12.00units lecture, 12.00 units lab)

CSU 220 hours lecture, 660 hours lab

Provides training in basic law enforcement tactics and techniques specifically used by the Los Angeles Sheriff Department. Examines community relations, criminal law, criminal evidence, patrol procedures, investigation, vehicle codes, vehicle operations, communications, physical conditioning, health and safety, self-defense tactics, weapons, and marksmanship.

LESD 100A BASIC ACADEMY PART 1
Units: 12.00 (6.00units lecture, 6.00 units lab)
110.00 hours lecture, 330.00 hours lab

Provides training in basic law enforcement tactics and techniques specifically used by the Los Angeles Sheriff Department. Topics include leadership, criminal justice system, community policing, crisis intervention, criminal law, property crime, death investigation, crimes against children, sex crimes, domestic violence, controlled substances, search and seizure, investigative report writing, evidence, vehicle operations and use of force, crimes in progress, handling crowds and traffic enforcement.

LESD 100B BASIC ACADEMY PART 2

Units: 12.00 (6.00units lecture, 6.00 units lab)

110.00 hours lecture, 330.00 hours lab

Completes basic training in law enforcement tactics and techniques specifically used by the Los Angeles Sheriff Department. Topics include missing persons, traffic enforcement and collisions, custody, fitness, arrest and control, first aid and CPR, firearms, information systems, gang awareness, weapons violations, emergency management, history of law enforcement and respect based leadership.

Radio, Television and Film

(See Media Entertainment Arts)

REAL ESTATE

Associate in Science Degree and Certificate of Achievement: Real Estate

The Real Estate program involves the study of California real estate principles, practices, procedures, and law. It offers courses mandated by the California Department of Real Estate (CalBRE) to prepare those who desire a career in real estate.

Students must successfully complete and pass the Real Estate Principles class (REAL-100), the Real Estate Practices class (REAL 101), and one additional class (of the student's choosing from the approved list) in the Real Estate Department to academically qualify for the California Real Estate Sales license and examination. These classes may also be applied to the academic requirement for the California Real Estate Broker license and examination.

On successful completion of the full program, the student will be academically qualified to apply to take the California Real Estate Broker examination.

Target occupations for this course of study include real estate sales, real estate broker, mortgage broker, property manager, loan broker, and escrow officer.

Students are advised to check current California Department of Real Estate or other applicable agency academic requirements prior to registering for any course to ensure that it satisfies current requirements as a mandatory or elective course for the Real Estate Sales or Real Estate Broker licenses. The CalBRE and other applicable agency requirements change periodically, and the Real Estate Program does not warrant that the listed courses meet current requirements.

Degree and Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core knowledge required for the California Department of Real Estate examination for real estate sales and real estate broker licenses.

Program Requirements:

Units Required: 26

		Units
REAL-100	Real Estate Principles	3.0
REAL-101	Real Estate Practices	3.0
REAL-105	Real Estate Financing	3.0
REAL-115	Legal Aspects of Real Estate	3.0
REAL-120	Real Estate Appraisal	3.0
REAL-130	Escrow Procedures and Processing	3.0
BUS-201	Principles of Accounting I	5.0
BUS-211	Business Law	3.0

REAL 100 REAL ESTATE PRINCIPLES

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Provides a basic overview of the fundamentals of real estate, as well as the background and terminology necessary for advanced study in specialized courses. This course must be completed before taking the real estate salesperson's licensing exam and is applicable toward the mandatory educational requirements for the Real Estate sales license. Introduces learners to the fundamental Real Estate issues by emphasizing concepts such as real property ownership, the sale of real property, contract law, fundamental property law, appraisal, financing, and the business aspects of buying and selling real estate under California law. A State of California Department of Real Estate (DRE) required course for the Real Estate Sales License exam.

REAL 101 REAL ESTATE PRACTICES

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Examines the theoretical and practical aspects of real estate operations, including ethics, obtaining and processing listings, the fundamentals of escrow, and financing and appraisal within the real estate industry - a California state-required course for the Real Estate Sales License. The course provides an overview of various aspects of the real estate profession, including, but not limited to, compliance with California SB 1495.

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REAL 105 REAL ESTATE FINANCING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Explores real estate finance in California, including analyses of lending sources and practices, loan processing, governmental loans, appraisals, and methods of financing commercial and residential properties. This course satisfies one of the California Department of Real Estate (DRE) Salesperson Examination electives and is required for applicants for the California DRE Real Estate Broker examination.

REAL 115 LEGAL ASPECTS OF REAL ESTATE

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines California real estate law emphasizing practical applications, including sources of real estate law, classes of property, fixtures, easements, estates or interests in real property, contracts, agency, conveyances, and security devices.

REAL 120 REAL ESTATE APPRAISAL

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines real estate appraisals, the appraisal process, and the different approaches, methods, and techniques used to determine the value of real property, with emphasis on residential and single-unit property, and approved by the California Department of Real Estate (DRE) for Sales and Broker's License educational requirements.

REAL 130 ESCROW PROCEDURES AND PROCESSING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Provides an overview of real estate escrow processes and procedures, emphasizing those used in the state of California. This course can be used to satisfy the California Department of Real Estate's (DRE) requirements for both Salesperson and Broker License exams.

RECREATION MANAGEMENT

Associate in Arts Degree: Recreation Management

An Associate in Arts degree in Recreational Management involves classes and field experiences which assist the student to prepare for work in the recreation and leisure industry. Recreational managers are responsible for planning and assisting in a variety of programs and overseeing the daily operations of recreational facilities for public agencies (federal, state, county or municipal), private non-profit agencies and business. The diverse curriculum exposes students to the wide range of possibilities for work and career within recreation and leisure industry. Course work includes courses on recreation and contemporary society, outdoor recreation, therapeutic recreation for special populations, and planning programs and events.

Degree Student Learning Outcome:
Students will be able to analyze the motives, values, and benefits to the individual as well as society, that are associated with recreation and leisure experiences.

Program Requirements:
Units Required: 22.5 – 26.5

		Units
REC-101	Recreation and Leisure in Contemporary Society	3.0
REC-102	Planning Programs and Events for Recreation Experiences	3.0
REC-103	Outdoor Recreation and the Natural Environment	3.0
REC-105	Leadership in Recreation and Leisure Services	3.0
	Plus three courses from the following:	
REC-104	Introduction to Therapeutic Recreation and Special Populations	3.0
ANTHRO-210	Indigenous People of California	3.0
BUS-201	Principles of Accounting I	5.0
BIOSCI-130	Environmental Biology	3.0
EMS-100	Emergency Medical Services Foundations	3.0
ENVRMT-101	Introduction to Environmental Studies: Environmental Change and Sustainability	3.0
GEOGRPH-101	Physical Geography with Lab	4.0
HOSP-101	Introduction to the Hospitality Industry	3.0
KPET-217	Sports Management	3.0
PHILOS-240	Contemporary Moral Problems	3.0
PHILOS-250	Environmental Ethics	3.0
PSYC-172	Developmental Psychology	3.0
	OR	
PSYC-172H	Developmental Psychology - Honors	3.0
PSYC-180	Positive Psychology	3.0
SOCI-233	Sociology of the Life Course	3.0
	Plus one course from the following:	
REC-120	Introduction to Hiking	1.0
REC-121	Introduction to Camping	1.0
REC-122	Backpacking	2.0

REC-123 Wilderness Survival.....2.0
REC-124 Outdoor Rock Climbing 2.0

Plus a minimum of 0.50 units of Work Experience:

WE-186REC Work Experience Education Recreation Management .....0.5 – 4.0

REC 101 RECREATION AND LEISURE IN CONTEMPORARY SOCIETY

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Investigates the contributions of play, leisure and recreation to the social, psychological and economic well-being of individuals and groups, incorporating local, regional, national and international perspectives. Field trips may be required.

REC 102 PLANNING PROGRAMS AND EVENTS FOR RECREATION EXPERIENCES

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Presents the principles and practice of effective recreational leadership including program and event planning as it relates to play, recreation, and leisure experiences. Field trips may be required.

REC 103 OUTDOOR RECREATION AND THE NATURAL ENVIRONMENT

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines recreation in the outdoor and natural environment including the emergence of outdoor recreation in the United States, the benefits attributed to outdoor experiences and management policies and practices related to recreation in natural environments. Field trips may be required.

REC 104 INTRODUCTION TO THERAPEUTIC RECREATION AND SPECIAL POPULATIONS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Explores the characteristics and needs of individuals with disabilities and special populations within recreation and leisure services, including the nature and function of recreation in rehabilitation agencies and therapeutic recreation settings. Additionally, planning and adapting recreational programs in various settings will also be covered. Field trips may be required.

REC 105 LEADERSHIP IN RECREATION AND LEISURE SERVICES

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Focuses on the foundations of leadership and management skills integral for recreational leaders with an emphasis on leadership theories and developing competencies and skills for effective leadership. Examines leadership roles in various recreation and leisure settings. Field trips may be required.

REC 120 HIKING

Units: 1.00 (0.50 units lecture, 0.50 units lab)
UC:CSU 9.00 hours lecture, 27.00 hours lab

Explores different aspects of hiking with an emphasis on safety and Leave No Trace (LNT) philosophy. Content to include local history, physical geography, flora and fauna, safety rules and emergency procedures, basic first aid and environmental conservation. Group hikes will range between three to five miles, with a final hike of eight miles as the goal. Field trips are required.

REC 121 CAMPING

Units: 1.00 (0.50 units lecture, 0.50 units lab)
UC:CSU 9.00 hours lecture, 27.00 hours lab

Focuses on essential skills for camping in the frontcountry and backcountry settings. Students will learn about campsite selection, camping equipment, and how to prepare for their own camping adventures. Emphasis will be on safety, food preparation, leadership, environmental awareness and conservation. Field trip is required.

REC 122 BACKPACKING

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab

Introduces the basic principles of the backcountry with a special emphasis on backpacking and camping skills. Emphasis is on techniques, proper use of equipment, clothing, navigation with topographic maps and compass, trip planning, campsite selection, trail etiquette, camp cooking, Leave No Trace principles, and safety. Multi-day overnight trip required.

REC 123 WILDERNESS SURVIVAL

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab

Explores the essential skills for backcountry travel and wilderness survival. Topics will include navigation, shelters, edible plants and animals, water treatment and collection, food preparation and storage, primitive technologies, environmental awareness and conservation, safety, and managing wilderness emergencies. Multi-day overnight trip required.

REC 124 OUTDOOR ROCK CLIMBING

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab

Explores climbing equipment, knots and hitches, communication, belaying techniques, top rope systems and anchors, rappelling, and basic climbing techniques. In addition, students will be introduced to decision-making, risk management, and the physiological effects of environmental stress and work at high altitudes. Emphasis will be on proper safety, use of equipment, climbing technique and Leave No Trace (LNT) principles as it pertains to top rope climbing. Multi-day overnight trip and/or multiple experience required.

Continued on the next page.

SIGN LANGUAGE

Associate in Arts Degree: American Sign Language Interpreting

The American Sign Language Interpreting program is a comprehensive two-year program designed to award students with an Associate in Arts degree in American Sign Language Interpreting. The degree will provide students with transfer opportunities to a four-year college or university as well as equip them with the necessary skills for entry-level positions within the field of interpreting.

Students may take American Sign Language courses to satisfy the general education language requirement. They may also take the courses for pleasure or practical usage in communication with the deaf community, as well as to prepare for a profession that will require communication competence in the language. Enrollment in the courses will provide students with opportunities to develop their linguistic skills as well as their cultural awareness.

Interpreters work in a variety of settings. These include, but are not limited to: educational, legal, medical, religious, community, theater, rehabilitation, and freelance.

Students with an American Sign Language Interpreting degree will develop the following competencies:

- Advanced American Sign Language skills
- Knowledge of the Code of Ethics for Interpreters
- Knowledge of principles, practices, and procedures of interpreting
- Knowledge of deaf culture
- Knowledge of interpreting techniques
- Interpreting skills (English to ASL)
- Transliterating skills (English to MCE)
- American Sign Language/MCE to English skills
- Cultural bridging techniques
- Idiomatic and specialized vocabulary skills
- Knowledge of specialized settings and applied techniques
- Fingerspelling skills: Expressive and receptive
- Historical knowledge of American Sign Language, deaf culture, and interpreting
- Knowledge of the structure of American Sign Language

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment as an interpreter.

Program Requirements:

Units Required: 38

		Units
SIGN-103	American Sign Language III	4.0
SIGN-104	American Sign Language IV	4.0
SIGN-110	American Deaf Culture	3.0
SIGN-112	Interpreting: Principles and Practices	3.0
SIGN-200	Specialized Signs and Settings	3.0
SIGN-201	Interpreting I	3.0
SIGN-202	Transliterating I	3.0
SIGN-203	Sign to English Interpreting/ Transliterating I	3.0
SIGN-204	Interpreting II	3.0
SIGN-205	Transliterating II	3.0
SIGN-206	Sign to English Interpreting/ Transliterating II	3.0

Plus a minimum of three units from the following, a minimum of 1 unit of WE-186SIGN is required:

WE-186ITP	Work Experience Education Interpreting	1.0 – 4.0
LING-101	Introduction to Linguistics	3.0
SIGN-111	Fingerspelling	2.0
SIGN-113	Creative Uses of Sign	3.0
SIGN-114	Working and Socializing with People Who are Deaf-Blind	4.0

Associate in Arts Degree: American Sign Language – Deaf Studies

The ASL and Deaf Studies degree is designed for students seeking a career in the field of Deaf Studies, education, social work, psychology, linguistics, communication, speech language pathology, and other related disciplines. Course work includes ASL Structure, Deaf Culture, Deaf Education, Deaf History, and other electives designed to create a well-rounded and fluent professional that can work with the Deaf community in a variety of settings.

Degree Student Learning Outcome:

Students will be able to demonstrate the career skills needed to work with the Deaf Community.

Program Requirements:

Units Required: 22

		Units:
SIGN-103	American Sign Language III	4.0
SIGN-104	American Sign Language IV	4.0
SIGN-110	American Deaf Culture	3.0
SIGN-210	Structure of American Sign Language	3.0
SIGN-212	Deaf Education	3.0

Plus a minimum of five units from the following, a minimum of 0.5 units from WE-SIGN186 is required:

SIGN-113	Creative Uses of Sign	3.0

SIGN-114	Working and Socializing with People Who are Deaf-Blind	4.0
WE-186SIGN	Work Experience Education Sign Language	0.50 – 4.0

Certificate of Specialization: Deaf-Blind Support Service Provider

Students completing this certificate will be equipped with advanced skills in American Sign Language. An emphasis will be placed on deaf and deaf-blind culture, allowing them to work and socialize successfully with deaf-blind individuals and other professional service providers.

Degree and Certificate Student Learning Outcome:

Students will learn about the deaf and deaf-blind cultures with an emphasis on communication and guiding techniques, equipping them to work and socialize with deaf-blind people.

Program Requirements:

Units Required: 14.5

		Units
SIGN-104	American Sign Language IV	4.0
SIGN-110	American Deaf Culture	3.0
SIGN-114	Working and Socializing with People Who are Deaf-Blind	4.0
SIGN-200	Specialized Signs and Settings	3.0
WE-186SIGN	Work Experience Education Sign Language	0.50 – 4.0

SIGN 101 AMERICAN SIGN LANGUAGE I

Units: 4.00 (4.00 units lecture)

UC:CSU 72.00 hours lecture

Presents the fundamentals of American Sign Language (ASL) whereby students develop expressive and receptive language skills through the learning of basic vocabulary, grammatical structures, and cultural awareness. Corresponds to the first two years of ASL offered in the high school. Field assignment required.

SIGN 102 AMERICAN SIGN LANGUAGE II

Units: 4.00 (4.00 units lecture)

UC:CSU 72.00 hours lecture

Prerequisite: SIGN-101.

Continues the study of American Sign Language (ASL) designed to increase the student's proficiency in intermediate ASL communication skills with a continued emphasis on comprehension skills, conversational skills, cultural awareness, grammatical features and vocabulary development. Field assignments required.

SIGN 103 AMERICAN SIGN LANGUAGE III

Units: 4.00 (4.00 units lecture)

UC:CSU 72.00 hours lecture

Prerequisite: SIGN-102

Continues the study of American Sign Language (ASL) whereby students develop expressive and receptive language skills with an increased emphasis on complex vocabulary, grammatical structures, and cultural awareness. Field assignments required.

SIGN 104 AMERICAN SIGN LANGUAGE IV

Units: 4.00 (4.00 units lecture)

UC:CSU 72.00 hours lecture

Prerequisite: SIGN-103

An advanced study of American Sign Language (ASL) whereby students develop expressive and receptive language skills with an emphasis placed on fluency and refinement of complex vocabulary, grammatical structures, and cultural awareness. Students gain a greater ability to utilize various verb types, temporal markers, adverbial and adjectival structures. Field assignments required.

SIGN 110 AMERICAN DEAF CULTURE

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Studies various aspects of American deaf culture, including the description of deafness, deaf people, the deaf community as defined by audiology and/or cultural means, service for and by deaf people, and culture as reflected in the arts and language of deaf people. Field assignments required.

SIGN 111 FINGERSPELLING

Units: 2.00 (2.00 units lecture)

CSU 36.00 hours lecture

Prerequisite: SIGN-102

Develops basic skills in receptive and expressive fingerspelling. Strongly recommended for prospective teachers, interpreters, and other professionals working with deaf people. Course taught in American Sign Language.

SIGN 112 INTERPRETING: PRINCIPLES AND PRACTICES

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Prerequisite: SIGN-102

Introduces the field of sign language interpreting including the history of interpreting, models of interpretation, professional standards, code of ethics, interpreter assessments, credentialing, roles and responsibilities.

SIGN 113 CREATIVE USES OF SIGN

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Prerequisite: SIGN-103

Introduces students to artistic expressions of American Sign Language including poetry, storytelling, play on signs, songs, puns, jokes, handshape stories, and theatrical presentation of signs. Perspective, movement, characterization, form, and technique will be explored.

SIGN 114 WORKING AND SOCIALIZING WITH PEOPLE WHO ARE DEAF-BLIND

Units: 4.00 (4.00 units lecture)

CSU 72.00 hours lecture

Prerequisite: SIGN-103

Provides interpreters and interpreting students with an introductory level overview of working with deaf-blind people. Students will become familiar with features of the deaf-blind community, learn common etiologies of deaf-blindness, learn basic communication and guiding skills for use with deaf-blind people, and experience a variety of situations simulating deaf-blindness. Field trip may be required.

SIGN 200 SPECIALIZED SIGNS AND SETTINGS

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Prerequisite: SIGN-104, 110 and 112

Introduces students to specialized signs for vocabulary and specialized terminology presented in a variety of environments including educational, religious, medical, legal, and theatrical. Special settings (deaf-blind, tactile, oral, teaming, and video-relay) will be analyzed and interpreting techniques will be applied.

SIGN 201 INTERPRETING I

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Prerequisite: SIGN-104, 110 and 112

Introduces the process of consecutive interpreting including skills for analyzing, processing, and interpreting English meaning while conveying it accurately into American Sign Language.

SIGN 202 TRANSLITERATING I

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Prerequisite: SIGN-104, 110 and 112

Introduces the process of consecutive transliteration, analyzing, processing, and interpreting English meaning while conveying it accurately into a Manually Coded English form.

SIGN 203 SIGN TO ENGLISH INTERPRETING/TRANSLITERATING I

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Prerequisite: SIGN-104, 110 and 112

Introduces the skills required for accurate Sign to English interpretation/transliteration. Takes a theoretical and practical approach to analyzing the process and discussing common techniques and difficulties.

SIGN 204 INTERPRETING II

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Prerequisite: SIGN-201

Develops advanced, simultaneous interpreting skills, including the skills for analyzing, processing, and interpreting English meaning and conveying it simultaneously into American Sign Language.

SIGN 205 TRANSLITERATING II

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Prerequisite: SIGN-202

Develops the advanced process of simultaneous transliterating, including skills for analyzing, processing, and interpreting English meaning while conveying it accurately into a Manually Coded English form.

SIGN 206 SIGN TO ENGLISH INTERPRETING/TRANSLITERATING II

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Prerequisite: SIGN-203

Develops the advanced skills and knowledge for accurate simultaneous Sign to English interpretation/transliteration. Takes a theoretical and practical approach to analyzing the process and discussing solutions to common difficulties.

SIGN 210 STRUCTURE OF AMERICAN SIGN LANGUAGE

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Prerequisite: SIGN-102

Analyzes the linguistic structures of American Sign Language used in the United States. Emphasis will be placed on research skills, social use and variation in language, and child language acquisition.

SIGN 212 DEAF EDUCATION

Units: 3.0 (3.00 units lecture) 0

UC:CSU 54.00 hours lecture

Prerequisite: SIGN-102

Explores the history of deaf education with emphasis placed on educational, political, and social trends and the various instructional strategies that affect the placement and instruction of Deaf and Hard of Hearing Students (DHH), as well as DHH students with additional challenges. Students gain an understanding of the foundation of language deprivation and the impacts on a DHH student's education, explore federal and state special education laws, Individual Family Service Plans (IFSPs), Individualized Education Plans (IEPs) and the roles of Related Service Providers and support staff in the educational process.

SOCIAL SCIENCE

Associate in Arts Degree: Social Science

Social Science is the study of people as members of a society. It examines individual and group behavior, communication and decision-making from a contemporary view, as well as historical roots and evolving perspectives. This degree takes an interdisciplinary approach to the field and is designed to provide an overview of the broad range of courses that constitute and are available in the social sciences.

Degree Student Learning Outcome:

Students will be able to analyze current and historical individuals or groups using concepts and theories from the social sciences.

Program Requirements:

Units Required: 24

		Units
Three units from the following:		
PSYC-C1000	Introduction to Psychology	3.0
PSYC-C1000H	Introduction to Psychology - Honors	3.0
PSYC-172	Developmental Psychology	3.0
PSYC-172H	Developmental Psychology - Honors	3.0
Plus three units from the following:		
ANTHRO-103	Cultural Anthropology	3.0
ANTHRO-103H	Cultural Anthropology - Honors	3.0
ANTHRO-210	Indigenous Peoples Of California	3.0
Plus three units from the following:		
SOCI-101	Introduction to Sociology	3.0
SOCI-101H	Introduction to Sociology - Honors	3.0
SOCI-207	Social Problems	3.0
Plus three units from the following:		
HIST-101	History of Western Civilization: The Pre-Industrial West	3.0
	OR	
HIST-101H	History of Western Civilization: The Pre-Industrial West - Honors	3.0
HIST-102	History of Western Civilization: The Modern Era	3.0
HIST-161	World History I	3.0
Plus three units from the following:		
POLS-230	Political Theory	3.0
POLS-250	Comparative Government and Politics	3.0
POLS-270	International Relations	3.0
Plus nine units from the following:		
BUS-126	Understanding Diversity in the Workplace	3.0
COMM-260	Communication and Gender	3.0
ECON-C2002	Principles of Macroeconomics	3.0
	OR	
ECON-C2002H	Principles of Macroeconomics – Honors	3.0
ETHNST-101	Introduction to Ethnic Studies	3.0
GEOGRPH-102	Human Geography	3.0
HIST-120	The Role of Women in the History of the United States	3.0
	OR	
HIST-120H	The Role of Women in the History of the United States - Honors	3.0
HIST-240	Latin American Civilization	3.0
PSYC-235	Psychology of Gender Roles	3.0
PSYC-240	Abnormal Psychology	3.0
SOCI-103	Intimate Relationships and Families	3.0
	OR	
SOCI-103H	Intimate Relationships and Families - Honors	3.0
SOCI-105	Inequalities and Equity in The United States	3.0
SOCI-200	Introduction to Women's Studies	3.0
	OR	
SOCI-200H	Introduction to Women's Studies Honors	3.0
SOCI-233	Sociological Issues of Life and Longevity	3.0
SOCI-250	Introduction to Criminology	3.0
SWHS-110	Introduction to Social Work and Human Services	3.0
SWHS-111	Social Work Core Competencies I	3.0
SWHS-112	Social Work Core Competencies II	3.0

SOCIAL WORK AND HUMAN SERVICES

SWHS 110 INTRODUCTION TO SOCIAL WORK AND HUMAN SERVICES

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID SWHS 110

Provides an introductory overview of social welfare and societal institutions in the US, specifically related to the field of Human Services, and the role of paraprofessional workers in private and public settings on a local, state, and national level. Includes the historical development of human services, approaches, and methodologies utilized within various helping professions, and effective intervention strategies which emphasize a social work perspective. Special attention is given to current service delivery systems, their policies and procedures, and the tasks of culturally responsive social workers and human service workers within those settings.

SWHS 111 SOCIAL WORK CORE COMPETENCIES I

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: SWHS-110

Provides an introductory overview of methodologies and practice approaches used in social work, building upon the foundational theories and methods introduced in SWHS-110. Emphasizes the application of culturally responsive practices in diverse social work settings.

SWHS 112 SOCIAL WORK CORE COMPETENCIES II

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: SWHS-110 and SWHS-111

Explores social work practice from a systems perspective through in depth analysis of social work concepts and methodologies. Examines values, ethics, ethical decision making, diversity, group dynamics, problem solving, crisis intervention, and social work theories and approaches

SOCIOLOGY

The Sociology major is designed to prepare students for further studies in the discipline which will lead to the B.A., M.A., and/or Ph.D. degrees. The Associate in Arts degree in Sociology will provide an introduction to the major theoretical perspectives, research methodologies, and related sub-areas associated with the field. The degree incorporates the primary courses required for the bachelor's degree at many four-year colleges and universities, as well as establishes the foundation needed for later graduate studies. Students can also pursue the A.A. degree in sociology, yet decide not to attain the bachelor's degree. The field of sociology provides students with a broad-based knowledge of human behavior and social interaction, which is transferable to a multitude of areas, including education, law, medicine, government, administration of justice, and organizations.

Associate in Arts for Transfer Degree: Sociology

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC).
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Sociology. Additional majors are being developed.

Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:
Students will be able to analyze a social issue using sociological concepts.

Program Requirements:
Units Required: 19 – 20

		Units
SOCI-101	Introduction to Sociology	3.0
	OR	
SOCI-101H	Introduction to Sociology – Honors	3.0
	AND	
SOCI-207	Social Problems	3.0
	Plus two courses from the following, SOCI-102 is required:	
SOCI-102	Introduction to Sociological Research Methods	3.0
	AND	
PSYC-104	Statistics for the Behavioral Sciences	4.0
	OR	
SOCI-137	Statistics for the Social Sciences	4.0
	OR	
STAT-C1000	Introductory Statistics	4.0
	OR	
STAT-C1000E	Introductory Statistics	5.0
	OR	
STAT-C1000H	Introductory Statistics – Honors	4.0
	Plus three units from the following:	
PSYC-109	Social Psychology	3.0
SOCI-103	Sociology of Relationships	3.0
	OR	
SOCI-103H	Sociology of Relationships – Honors	3.0
SOCI-106	Introduction to Race and Ethnicity	3.0
SOCI-110	Self and Society	3.0
SOCI-200	Sociology of Gender	3.0
	OR	
SOCI-200H	Sociology of Gender – Honors	3.0
SOCI-250	Introduction to Criminology	3.0
	Plus three units from the following that have not already been selected from the courses listed above:	
PSYC-109	Social Psychology	3.0
SOCI-103	Sociology of Relationships	3.0
	OR	
SOCI-103H	Sociology of Relationships – Honors	3.0
SOCI-105	Inequalities and Equity in The United States	3.0
SOCI-106	Introduction to Race and Ethnicity	3.0
SOCI-107	Introduction to Chicana/o Studies	3.0
SOCI-108	Thinking Critically About Social Issues	3.0
SOCI-110	Self and Society	3.0
SOCI-130	Introduction to LGBTQ+ Studies	3.0
SOCI-200	Sociology of Gender	3.0
	OR	
SOCI-200H	Sociology of Gender – Honors	3.0
SOCI-205	Society and the Environment	3.0
SOCI-208	Sociology of Death and Dying	3.0
SOCI-210	Sociology of Deviance	3.0
SOCI-230	Sociology of Sexuality	3.0
SOCI-233	Sociology of the Life Course	3.0
SOCI-250	Introduction to Criminology	3.0

Associate in Arts for Transfer Degree: Social Justice Studies

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Social Justice Studies. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:
Students will be able to analyze the complex nature of multiple identities within the context of modern society.

Program Requirements:
Units Required: 19 – 20

		Units
SOCI-104	Introduction to Social Justice Studies	3.0

Continued on the next page.

SOCI-106	Introduction to Race and Ethnicity	3.0

Plus three units from the following:

SOCI-130	Introduction to LGBT+ Studies	3.0
SOCI-200	Sociology of Gender	3.0
SOCI-200H	Sociology of Gender – Honors	3.0

Plus seven to eight units from the following:

SOCI-102	Introduction to Sociological Research Methods	3.0
	AND	
PSYC-104	Statistics for the Behavioral Sciences	4.0
	OR	
SOCI-137	Statistics for the Social Sciences	4.0
	OR	
STAT-C1000	Introductory Statistics	4.0
	OR	
STAT-C1000E	Introductory Statistics	5.0
	OR	
STAT-C1000H	Introductory Statistics – Honors	4.0

Plus three units from the following that have not already been taken above:

SOCI-105	Inequalities and Equity in The United States	3.0
SOCI-107	Introduction to Chicana/o Studies	3.0
SOCI-130	Introduction to LGBT+ Studies	3.0
SOCI-200	Sociology of Gender	3.0
SOCI-200H	Sociology of Gender – Honors	3.0
COMM-260	Communication and Gender	3.0
ENGL-262	American Multicultural Literature	3.0
ENGL-270	Introduction to African American Literature	3.0
PSYC-235	Psychology of Gender Roles	3.0
POLS-290	Ethics and Gender Politics	3.0

Associate in Arts Degree: Sociology

Degree Student Learning Outcome:
Students will be able to analyze a social issue using sociological concepts.

Program Requirements:
Units Required: 25 – 26

		Units
SOCI-101	Introduction to Sociology	3.0
	OR	
SOCI-101H	Introduction to Sociology – Honors	3.0
	Plus the following:	
SOCI-102	Introduction to Sociological Research Methods	3.0
SOCI-108	Thinking Critically About Social Issues	3.0

Plus 12 units from the following:

SOCI-103	Sociology of Relationships	3.0
	OR	
SOCI-103H	Sociology of Relationships – Honors	3.0
SOCI-105	Inequalities and Equity in The United States	3.0
SOCI-106	Introduction to Race and Ethnicity	3.0
SOCI-107	Introduction to Chicana/o Studies	3.0
SOCI-110	Self and Society	3.0
SOCI-130	Introduction to LGBTQ+ Studies	3.0
SOCI-200	Sociology of Gender	3.0
	OR	
SOCI-200H	Sociology of Gender – Honors	3.0
SOCI-205	Society and the Environment	3.0
SOCI-207	Social Problems	3.0
SOCI-208	Sociology of Death and Dying	3.0
SOCI-210	Sociology of Deviance	3.0
SOCI-230	Sociology of Sexuality	3.0
SOCI-233	Sociology of the Life Course	3.0
SOCI-250	Introduction to Criminology	3.0

Plus one course from the following:

PSYC-104	Statistics for the Behavioral Sciences	4.0
	OR	
SOCI-137	Statistics for the Social Sciences	4.0
	OR	
STAT-C1000	Introductory Statistics	4.0
	OR	
STAT-C1000E	Introductory Statistics	5.0
	OR	
STAT-C1000H	Introductory Statistics – Honors	4.0

SOCI 101 INTRODUCTION TO SOCIOLOGY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID SOCI 110

Examines small group interactions and cultural patterns of American and other societies using the conceptual, theoretical, and methodological principles and applications to explain how values, roles, norms, social interaction, and social inequality as well as other concepts influence individuals, groups, and society.

SOCI 101H INTRODUCTION TO SOCIOLOGY — HONORS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID SOCI 110

Examines small group interactions and cultural patterns of American and other societies using the conceptual, theoretical, and methodological principles and applications to explain how values, roles, norms, social interaction, and social inequality as well as other concepts influence individuals, groups, and society. Additional reading, writing, and research techniques are required.

SOCI 102 INTRODUCTION TO SOCIOLOGICAL RESEARCH METHODS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID SOCI 120

Prerequisite: SOCI-101 or SOCI-101H
Recommended Preparation: SOCI-137

Introduces empirical scientific methods used in contemporary sociological research with focus on ethics, theory, hypotheses, variables, quantitative and qualitative research design (e.g., observational, experimental, case study, and comparative historical), data collection, and data analysis using SPSS (Statistical Package for the Social Sciences).

SOCI 103 SOCIOLOGY OF RELATIONSHIPS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID SOCI 130

Examines the various forms of relationships that exist within a diverse, multicultural society and the family as a social institution. It also analyzes social, cultural, and political constructs that apply to the definition, status, and legality of human partnerships and family systems.

SOCI 103H SOCIOLOGY OF RELATIONSHIPS - HONORS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID SOCI 130

Examines the various forms of relationships that exist within a diverse, multicultural society and the family as a social institution. It also analyzes social, cultural, and political constructs that apply to the definition, status, and legality of human partnerships and family systems. Additional reading, writing, and research techniques are required.

SOCI 104 INTRODUCTION TO SOCIAL JUSTICE STUDIES

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces social justice theories and the historical and contemporary responses to inequality and injustice. Explores the role of imbalances of power in society, social movements, culture, politics and institutions. Inter-disciplinary study to social justice movements in relation to ethnic and racial groups in the United States to provide a basis for a better understanding of the socio-economic, cultural, and political conditions among key social groups. The course also explores a broad range of issues including notions of inequality based on race, class, gender, sexuality, and issues related to environmental injustice, the criminal punishment system, and human rights.

SOCI 105 INEQUALITIES AND EQUITY IN THE UNITED STATES

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Explores several levels of cultural diversity in the context of a complex, modern society, while developing the skills to understand and live in an increasingly multicultural U.S. society.

SOCI 106 INTRODUCTION TO RACE AND ETHNICITY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID SOCI 150

Presents the Sociological analysis of race, ethnicity, and racism while examining the cultural, historical, political, and economic practices and institutions that support or challenge racism, racial and ethnic inequalities, and patterns of interaction between various racial and ethnic groups.

SOCI 107 INTRODUCTION TO CHICANA/O CULTURE

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces the study of cultural, economic, educational and political issues as they impact the Chicana/o in the U.S. Includes a study of the contributions that Chicana/os have made in these areas.

SOCI 108 THINKING CRITICALLY ABOUT SOCIAL ISSUES

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Prerequisite: ENGL-C1000 or ENGL-C1000H

Compares and contrasts the content, meaning and interpretation of social phenomena as reported by the media and scientific community. Literary criticism, logic, argumentation, and persuasion are used to analyze the content and validity of social issues. UC credit limitation: PHILOS-106 and SOCI-108 combined, maximum credit one course.

SOCI 110 SELF AND SOCIETY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Examines ways in which culture and socialization affect individual conduct, including social structures and social institutions, and their effect on the development of self-identity, attitudes, values and norms of social behavior.

SOCI 130 INTRODUCTION TO LGBTQ+ STUDIES

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces students to the study of social issues related to LGBTQ+ identities.

Continued on the next page.

SOCI 137 STATISTICS FOR THE SOCIAL SCIENCES

Units: 4.00 (4.00 units lecture)
UC:CSU 72.00 hours lecture
C-ID SOCI 125

Prerequisite: Completion of intermediate algebra or appropriate placement

Introduces the basic statistical methods and analyses commonly used in sociological research. Topics include: descriptive and inferential statistics; levels and types of measurement; measures of central tendency and dispersion; normal, t, and chi-square distributions; probability and hypothesis testing; correlation and regression. Applications of statistical software such as SPSS to sociology and/or other social science data required. UC credit limitation: ECON-291, PSYC-104, SOCI-137, STAT-C1000, STAT-C1000E, and STAT-C1000H combined, maximum credit one course.

SOCI 200 SOCIOLOGY OF GENDER

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID SJS 120, SOCI 140

Provides an overview of the academic field of gender studies, including the social and cultural consequences of living in a "gendered world." Socialization, communication, politics, crime, sexuality, and religion are examined, as well as the historical and cross-cultural aspects of gender relationships.

SOCI 200H SOCIOLOGY OF GENDER - HONORS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID SJS 120, SOCI 140

Provides an overview of the academic field of gender studies, including the social and cultural consequences of living in a "gendered world." Socialization, communication, politics, crime, sexuality, and religion are examined, as well as the historical and cross-cultural aspects of gender relationships. Additional reading, writing, and research techniques are required.

SOCI 205 SOCIETY AND THE ENVIRONMENT

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Introduces key theoretical approaches and research within the field of environmental sociology, and an examination of the ongoing research on how environmental problems have roots in social processes, such as culture, community, social inequality, social organization, and social structure. Ideologies about the environment as social constructions will be analyzed.

SOCI 207 SOCIAL PROBLEMS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID SOCI 115

Applies sociological principles and the research process to identify and analyze contemporary social problems, both nationally and globally, considering power and ideology, causes and consequences, and solutions and interventions.

SOCI 208 SOCIOLOGY OF DEATH AND DYING

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Examines the cultural, social, and political meanings of death as it exists within the United States and abroad while analyzing the importance of death and its related processes as parts of socially constructed meanings recognized and practiced by society.

SOCI 210 SOCIOLOGY OF DEVIANCE

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Provides a sociological explanation of deviance, crime, and social control found within the United States, including the societal norms, values, and beliefs that influence socially constructed definitions of deviant behavior.

SOCI 230 SOCIOLOGY OF SEXUALITY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Explores sociological perspectives, theories, and research of sexuality from historical and contemporary social, cultural, and gendered contexts in a diverse society.

SOCI 233 SOCIOLOGY OF THE LIFE COURSE

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Examines the life course of older adults and the aging process, including the cultural, social, and political influences that shape concepts of growing old.

SOCI 250 INTRODUCTION TO CRIMINOLOGY

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID SOCI 160

Explores the scientific study of crime and criminality and the definition of crime and its violations as well as the laws and methods used to control criminal behavior.

THEATRE

The Theatre program at College of the Canyons is designed to provide students with the lower-division major preparation for transfer to a four-year university with a major in theatre.

Career opportunities for theatre professionals are diverse and serve people at all stages of life, in settings that touch our lives almost daily: live theatrical presentations and performances, recorded medium (including: film, television, radio, video, computer games), large public events and conventions, recreation, art and education programming in both the private and public sectors and amusement parks and attractions. Participation in these settings include, performers, designers, writers, directors, and managers.

Associate in Arts for Transfer Degree: Theatre Arts

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (CalGETC)
2. Obtainment of a minimum grade point average of 2.0. Associate Degrees for Transfer also require that students must earn a C, or Pass (P), or better in all courses required for the major or area of emphasis. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AA-T in Theatre Arts. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to:

— Demonstrate a basic level of competency as a performer or technician (stagecraft, make-up design, costume construction or stage lighting technology) performing the duties of either in a realized production.

— Analyze and critique dramatic literature and/or performance.

Program Requirements:

Units Required:18

Choose three units from the following:

		Units
THEATR-110	Understanding Theatre	3.0
	OR	
THEATR-220	Theatre History I	3.0
	Plus three units from the following:	
THEATR-140	Acting Fundamentals	3.0
	Plus three units from the following:	
THEATR-180A	Rehearsal/Performance (Drama): Ensemble	3.0
THEATR-180B	Rehearsal/Performance (Drama): Supporting Role	3.0
THEATR-180C	Rehearsal/Performance (Drama): Principal	3.0
THEATR-181A	New Play Development and Production – Beginning	3.0
THEATR-181B	New Play Development and Production – Intermediate	3.0
THEATR-181C	New Play Development and Production – Advanced	3.0
THEATR-182A	Rehearsal/Performance (Comedy): Ensemble	3.0
THEATR-182B	Rehearsal/Performance (Comedy): Supporting Role	3.0
THEATR-182C	Rehearsal/Performance (Comedy): Principal	3.0
THEATR-184A	Rehearsal/Performance (Musical Theatre): Ensemble	3.0
THEATR-184B	Rehearsal/Performance (Musical Theatre): Supporting Role	3.0
THEATR-184C	Rehearsal/Performance (Musical Theatre): Principal	3.0
THEATR-186A	Technical Theatre I (Beginning)	2.0
THEATR-186B	Technical Theatre II (Intermediate)	2.0
	Plus nine units from the following:	
THEATR-120	Stagecraft	3.0
THEATR-130	Fundamentals of Costume Design	3.0
THEATR-150	Introduction to Lighting Design	3.0

Continued on the next page.

THEATRE

THEATR-141	Scene Performance	3.0
THEATR-210	Script Analysis	3.0

Associate in Arts Degree: Theatre

Degree Student Learning Outcome:

Students will be able to demonstrate performance techniques and proficiency in one or more technical area.

Program Requirements:
Units Required: 20.5

		Units
THEATR-110	Understanding Theatre	3.0
	OR	
THEATR-111	Musical Theatre Appreciation	3.0
THEATR-140	Acting Fundamentals	3.0

Plus a minimum of one and a half units from the following:

THEATR-180A	Rehearsal/Performance (Drama): Ensemble	3.0
THEATR-180B	Rehearsal/Performance (Drama): Supporting Role	3.0
THEATR-180C	Rehearsal/Performance (Drama): Principal	3.0
THEATR-182A	Rehearsal/Performance (Comedy): Ensemble	3.0
THEATR-182B	Rehearsal/Performance (Comedy): Supporting Role	3.0
THEATR-182C	Rehearsal/Performance (Comedy): Principal	3.0
THEATR-184A	Rehearsal/Performance (Musical Theatre): Ensemble	3.0
THEATR-184B	Rehearsal/Performance (Musical Theatre): Supporting Role	3.0
THEATR-184C	Rehearsal/Performance (Musical Theatre): Principal	3.0
THEATR-186A	Technical Theatre I (Beginning)	2.0
THEATR-186B	Technical Theatre II (Intermediate)	2.0

Plus ten units from the following:

THEATR-125	Color and Design for the Theatre	2.0
THEATR-126	Improvisation	2.0
THEATR-127	Improvisational Performance	2.0
THEATR-141	Scene Performance	3.0
THEATR-144	Acting for the Camera	3.0
THEATR-161	Musical Theatre Techniques	2.0
THEATR-162	Musical Theatre Techniques II	2.0
THEATR-175	Introduction to Stage Makeup	3.0
THEATR-196	Theater Festival Competition Preparation	1.5
THEATR-210	Script Analysis	3.0
THEATR-220	Theatre History I	3.0
THEATR-240	Acting Shakespeare	3.0
THEATR-241	Movement of the Performer	3.0
THEATR-242	Voice of the Performer	3.0

Plus three units from the following:

THEATR-120	Stagecraft	3.0
THEATR-130	Fundamentals of Costume Design	3.0

Associate in Arts Degree: Theatre – Performance

An Associate in Arts degree in Theatre – Performance offers courses in both theory and practice. Students acquire an immediately useful set of theatre skills, including acting, voice, movement, and script analysis, while working with a wide spectrum of production experiences in which to practice them. Courses in history, theory and criticism place the art of theatre in its larger historical context.

The performance major will acquire a strong foundation in theatre and the dramatic form. Requirements for the major include all aspects of the dramatic event: creation, rehearsal, and performance. Practical experience is gained in a number of performance spaces and genres. Students are provided with the opportunity to participate in a professional setting, giving the student an understanding of the theatrical production and dramatic experience.

Degree Student Learning Outcome:

Students will be able to demonstrate advanced performance techniques.

Program Requirements:
Units Required: 23

		Units
THEATR-110	Understanding Theatre	3.0
THEATR-140	Acting Fundamentals	3.0
THEATR-141	Scene Performance	3.0

Plus three units from the following:

THEATR-120	Stagecraft	3.0
THEATR-130	Fundamentals of Costume Design	3.0
THEATR-175	Introduction to Stage Makeup	3.0

Plus three units from the following:

THEATR-180A	Rehearsal/Performance (Drama): Ensemble	3.0
THEATR-180B	Rehearsal/Performance (Drama): Supporting Role	3.0
THEATR-180C	Rehearsal/Performance (Drama): Principal	3.0
THEATR-181A	New Play Development and Production – Beginning	3.0
THEATR-181B	New Play Development and Production – Intermediate	3.0
THEATR-181C	New Play Development and Production – Advanced	3.0
THEATR-182A	Rehearsal/Performance (Comedy): Ensemble	3.0
THEATR-182B	Rehearsal/Performance (Comedy): Supporting Role	3.0

THEATR-182C	Rehearsal/Performance (Comedy): Principal	3.0
THEATR-184A	Rehearsal/Performance (Musical Theatre): Ensemble	3.0
THEATR-184B	Rehearsal/Performance (Musical Theatre): Supporting Role	3.0
THEATR-184C	Rehearsal/Performance (Musical Theatre): Principal	3.0
THEATR-186A	Technical Theatre I (Beginning)	2.0
THEATR-186B	Technical Theatre II (Intermediate)	2.0

Plus eight units from the following:

THEATR-126	Improvisation	2.0
THEATR-127	Improvisational Performance	2.0
THEATR-144	Acting for the Camera	3.0
THEATR-161	Musical Theatre Techniques	2.0
THEATR-162	Musical Theatre Techniques II	2.0
THEATR-196	Theater Festival Competition Preparation	1.5
THEATR-210	Script Analysis	3.0
THEATR-240	Acting Shakespeare	3.0
THEATR-241	Movement for the Performer	2.0
THEATR-242	Voice for the Performer	2.0

Recommended electives:

THEATR-126	Improvisation	2.0
THEATR-161	Musical Theatre Techniques	2.0
THEATR-241	Movement for the Performer	2.0
THEATR-242	Voice for the Performer	2.0

Associate in Arts Degree and Certificate of Achievement: Technical Theatre

The Technical Theatre program is designed to provide basic academic and practical training in technical theatre at the entry level for resident and touring theatres, theme parks, television and motion picture students or for students to transfer to a four-year school. Students may work on theatrical carpentry, lighting, costume construction etc.

Degree and Certificate Student Learning Outcomes:

Students will be able to:

- Demonstrate professional behavior as part of team implementing technical theater elements for a production.
- Demonstrate safe construction and installation techniques for technical theatre disciplines such as scenery, lighting, or costumes.
- Analyze a script, paying particular attention to technical elements.

Program Requirements:

Units Required: 18

		Units
THEATR-110	Understanding Theatre	3.0

Plus the following courses for ten and a half units:

THEATR-120	Stagecraft	3.0
THEATR-125	Color and Design for the Theatre	2.0
THEATR-130	Fundamentals of Costume Design	3.0
THEATR-150	Introduction to Lighting Design	3.0
THEATR-186A	Technical Theatre I (Beginning)	2.0

Plus a minimum of two units from the following (WE-186THTR is Preferred):

WE-186THTR	Work Experience Education Technical Theatre	1.0 – 4.0
THEATR-186B	Technical Theatre II (Intermediate)	2.0

Note: WE-186THTR is repeatable courses for up to 16 units combined.

THEATR 100 THEATRE APPRECIATION

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Surveys theatre by exploring the creation and presentation of theatrical performances. Students are required to attend on-campus and regional live performances. Field trips may be required.

THEATR 110 UNDERSTANDING THEATRE

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID THTR-111

Analyzes theatre and the theatrical event from the audience perspective, including the functions of the producer, architect, playwright, director, actors, designers, and critics. Students may be required to attend live theatre productions.

THEATR 111 MUSICAL THEATRE APPRECIATION

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture

Analyzes musical theatre from an audience perspective including defining the roles of the various creators, styles of musicals, and types of songs. Watching a performance of a musical required. Field trips may be required.

THEATR 120 STAGECRAFT

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
UC:CSU 36.00 hours lecture, 54.00 hours lab
C-ID THTR-171

Provides the theory and practical application of technical elements for the stage including scenic design, construction, painting, rigging, safety practices, methods of shifting scenery, theatrical lighting and programming, and theatrical audio equipment.

THEATR 125 COLOR AND DESIGN FOR THE THEATRE

Units: 2.00 (1.50 units lecture, 0.50 units lab)
CSU 27.00 hours lecture, 27.00 hours lab

Introduces students to the basic principles of color and design that govern all forms of visual expression emphasizing those used in theatre. Emphasis will be placed on the development of visual literacy and the ability to communicate effectively through visual means.

Continued on the next page.

THEATR 126 IMPROVISATION
Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab

Introduces the principles and practice of theatrical improvisation. Focusing on the development of spontaneity, physicalization and interaction as they pertain to the creation of improvised character and ensemble performance techniques.

THEATR 127 IMPROVISATIONAL PERFORMANCE
Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
CSU 18.00 hours lecture, 54.00 hours lab

Prerequisite: THEATR-126

Further develops improvisational skills, including spontaneity, physicalization, character and ensemble. Improvisational techniques are directed towards live performance. Requires public performance.

THEATR 130 FUNDAMENTALS OF COSTUME DESIGN
Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab
C-ID THTR 174

Presents costume history, design and basic construction techniques as an introduction to basic theatrical costuming. Materials, tools, fabrics and their various uses will be investigated.

THEATR 140 ACTING FUNDAMENTALS
Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID THTR 151

Introduces principles, practices and techniques of acting as an artistic discipline. Development of basic skills for performance: memorization, stage movement, vocal production, and interpretation of dramatic texts.

THEATR 141 SCENE PERFORMANCE
Units: 3.00 (2.00 units lecture, 1.00 unit lab)
UC:CSU 36.00 hours lecture, 54.00 hours lab
C-ID THTR-152

Prerequisite: THEATR-140.

Designed for more advanced theater students to further develop voice, movement and the ability to analyze dramatic text and characters through extended scene work.

THEATR 144 ACTING FOR THE CAMERA
Units: 3.00 (2.00 units lecture, 1.00 unit lab)
UC:CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: THEATR-126 or THEATR-140

Presents the fundamental techniques required in acting before the camera, including guidelines for following the specific demands of the camera.

THEATR 150 INTRODUCTION TO LIGHTING DESIGN
Units: 3.00 (2.50 units lecture, 0.50 units lab)
UC:CSU 45.00 hours lecture, 27.00 hours lab
C-ID THTR 173

Introduces the theory and practice of designing lighting for a live theatrical production. Emphasizes equipment, control, color and their relationship to design. Field trip may be required.

THEATR 161 MUSICAL THEATRE TECHNIQUES
Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab

Recommended Preparation: THEATR-140 and MUSIC-140

Develops vocal skills, movement and acting techniques for musical theatre, including exercises, solo and fully staged musical scenes. May require participation in class showcase.

THEATR 162 MUSICAL THEATRE TECHNIQUES II
Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab

Prerequisite: THEATR-161
Recommended Preparation: MUSIC-141

Explores continued study of vocal skills, movement and acting techniques for musical theatre, including exercises, solo, duet, fully staged scenes, and preparation of audition portfolio.

THEATR 175 INTRODUCTION TO STAGE MAKEUP
Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Provides instruction in the theory and practice of stage makeup, including its functions in theatrical production, facial feature analysis and corrective techniques, research methods, color theory, and introductory three-dimensional application techniques.

THEATR 180A REHEARSAL/ PERFORMANCE (DRAMA): ENSEMBLE
Units: 3.00 (0.50 units lecture, 2.50 units lab)
UC:CSU 9.00 hours lecture, 135.00 hours lab
C-ID THTR 191

Prerequisite: Audition
Recommended Preparation: THEATR-140

Explores a dramatic production for the collegiate actor from audition to performance through lecture, research and rehearsals. Includes textual analysis, historical research, connecting text to dramatic action on stage, and developing vocal and physical techniques for the ensemble actor. Audition and public performance required.

THEATR 180B REHEARSAL/ PERFORMANCE (DRAMA): SUPPORTING ROLE

Units: 3.00 (0.50 units lecture, 2.50 units lab)
UC:CSU 9.00 hours lecture, 135.00 hours lab
C-ID THTR 191

Prerequisite: Audition

Explores a dramatic production for the collegiate actor from audition to performance through lecture, research and rehearsals. Includes textual analysis, historical research, connecting text to dramatic action on stage, and developing vocal and physical techniques. This particular course is for those cast in supporting roles. Audition and public performance required.

THEATR 180C REHEARSAL/ PERFORMANCE (DRAMA): PRINCIPAL

Units: 3.00 (0.50 units lecture, 2.50 units lab)
UC:CSU 9.00 hours lecture, 135.00 hours lab
C-ID THTR 191

Prerequisite: Audition

Explores a dramatic play through lecture, rehearsals and performance, including textual analysis, historical research, connecting text to dramatic action, culminating in public performances. This course is for those cast in a principal/leading role. Audition and public performance required.

THEATR 181A NEW PLAY DEVELOPMENT AND PRODUCTION – BEGINNING

Units: 3.00 (0.50 units lecture, 2.50 units lab)
UC:CSU 9.00 hours lecture, 135.00 hours lab

Prerequisite: Audition

Provides for the exploration, development, revision, and presentation of new and original theatrical pieces involving playwrights, actors, directors and designers in the process. The course offers close examination of the new play development process using improvisation, ensemble and devised theatre development techniques. Audition/Interview and public performance required.

THEATR 181B NEW PLAY DEVELOPMENT AND PRODUCTION – INTERMEDIATE

Units: 3.00 (0.50 units lecture, 2.50 units lab)
UC:CSU 9.00 hours lecture, 135.00 hours lab
C-ID THTR 191

Prerequisite: THEATR-181A and Audition

Provides for intermediate-level exploration, development, revision, and presentation of new and original theatrical pieces involving playwrights, actors, directors and designers in the process. The course offers students the ability to take on a limited leadership role of the new play development process using improvisation, ensemble and devised theatre development techniques. Audition/ Interview and public performance required.

THEATR 181C NEW PLAY DEVELOPMENT AND PRODUCTION – ADVANCED

Units: 3.00 (0.50 units lecture, 2.50 units lab)
UC:CSU 9.00 hours lecture, 135.00 hours lab
C-ID THTR 191

Prerequisite:THEATR-181B and Audition

Provides for advanced-level development, revision, and presentation of new and original theatrical pieces involving playwrights, actors, directors and designers in the process. The course offers students the ability to take on a significant leadership role of the new play development process using improvisation, ensemble and devised theatre development techniques. Audition/ Interview and public performance required.

THEATR 182A REHEARSAL/ PERFORMANCE (COMEDY): ENSEMBLE

Units: 3.00 (0.50 units lecture, 2.50 units lab)
UC:CSU 9.00 hours lecture, 135.00 hours lab
C-ID THTR 191

Prerequisite: Audition

Explores a comedic play through lecture, research and rehearsals. Includes textual analysis, historical research, connecting text to comedic action on stage, and developing vocal and breath techniques for handling heightened text. Culminates in public performances of the play. This particular course is for those cast in ensemble, chorus or minor roles. Audition and public performance required.

THEATR 182B REHEARSAL/ PERFORMANCE (COMEDY): SUPPORTING ROLE

Units: 3.00 (0.50 units lecture, 2.50 units lab)
UC:CSU 9.00 hours lecture, 135.00 hours lab
C-ID THTR 191

Prerequisite: Audition

Explores a comedic play through lecture, research and rehearsals. Includes textual analysis, historical research, connecting text to comedic action on stage, and developing vocal and breath techniques for handling text. Culminates in public performances of the play. This particular course is for those cast in supporting roles. Audition and public performance required.

THEATR 182C REHEARSAL/ PERFORMANCE (COMEDY): PRINCIPAL

Units: 3.00 (0.50 units lecture, 2.50 units lab)
UC:CSU 9.00 hours lecture, 135.00 hours lab
C-ID THTR 191

Prerequisite: Audition

Explores a comedic play through lecture, rehearsals and performance, including textual analysis, historical research, connecting text to dramatic action, culminating in public performances. This course is for those cast in a principal/leading role. Audition and public performance required.

Continued on the next page.

THEATR 184A REHEARSAL/ PERFORMANCE (MUSICAL THEATRE): ENSEMBLE

Units: 3.00 (0.50 units lecture, 2.50 units lab)
UC:CSU 9.00 hours lecture, 135.00 hours lab
C-ID THTR 191

Prerequisite: Audition

Explores a musical theatre production for the beginning collegiate actor from audition to performance through lecture, research and rehearsals. Includes textual analysis, historical research, connecting text to dramatic action on stage, and developing vocal and physical techniques for the beginning actor. Audition and public performance required.

THEATR 184B REHEARSAL/ PERFORMANCE (MUSICAL THEATRE): SUPPORTING ROLE

Units: 3.00 (0.50 units lecture, 2.50 units lab)
UC:CSU 9.00 hours lecture, 135.00 hours lab
C-ID THTR 191

Prerequisite: Audition

Explores a musical theatre production for the collegiate actor from audition to performance through lecture, research and rehearsals. Includes textual analysis, historical research, connecting text to dramatic action on stage, and developing vocal and physical techniques for the supporting actor. Audition and public performance required.

THEATR 184C REHEARSAL/ PERFORMANCE (MUSICAL THEATRE): PRINCIPAL

Units: 3.00 (0.50 units lecture, 2.50 units lab)
UC:CSU 9.00 hours lecture, 135.00 hours lab
C-ID THTR 191

Prerequisite: Audition

Explores a musical theatre production for the collegiate actor from audition to performance through lecture, research and rehearsals. Includes textual analysis, historical research, connecting text to dramatic action on stage, and developing vocal and physical techniques for the actor cast in a principal role. Audition and public performance required.

THEATR 186A TECHNICAL THEATRE I (BEGINNING)

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab
C-ID THTR 192

Prerequisite: Audition & Interview

Recommended Preparation: THEATR-120 and THEATR-130

Provides beginning technical theatre student the opportunity to provide support for productions through the installation and operation of scenery, props, lights, sound, wardrobe, stage management, house management and/or run crews, etc. for the complete run of a theatrical production.

THEATR 186B TECHNICAL THEATRE II (INTERMEDIATE)

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab
C-ID THTR 192

Prerequisite: THEATR-186A

Provides the intermediate technical theatre student the opportunity to provide support for productions through the installation and operation of scenery, props, lights, sound, stage management, house management and/or run crews, and wardrobe for the complete run of a theatrical production.

THEATR 195 SOLO PERFORMANCE

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
CSU 36.00 hours lecture, 54.00 hours lab

Recommended Preparation: THEATR-140 and/or THEATR-126

Introduces the essential elements of an original solo show, including writing, giving and receiving feedback, rewriting, rehearsal and performance.

THEATR 196 THEATER FESTIVAL COMPETITION PREPARATION

Units: 1.50 (1.00 unit lecture, 1.00 unit lab)
CSU 18.00 hours lecture, 27.00 hours lab
May be taken four times for credit

Prerequisite: Audition/Interview

Preparation of theatre students for attendance and competition at the Kennedy Center American College Theater Festival. Participation in festival workshops and attendance at adjudication or competition events at the regional festival is required.

THEATR 210 SCRIPT ANALYSIS

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID THTR 114

Recommended Preparation: THEATR-110 or THEATR-110H

Presents principles and methods employed by actors, directors and designers to analyze dramatic literature as scripts for theatrical performance.

THEATR 220 THEATRE HISTORY I

Units: 3.00 (3.00 units lecture)
UC:CSU 54.00 hours lecture
C-ID THTR-113

Surveys theatre from ancient times through the 18th century.

THEATR 240 ACTING SHAKESPEARE

Units: 3.00 (2.00 units lecture, 1.00 unit lab)
UC:CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: THEATR-140.

Explores Shakespeare's plays and poetry from a performance perspective, through research, exercises, monologues and scene study.

THEATR 241 MOVEMENT FOR THE PERFORMER

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab

Develops the performer's instrument as it pertains to the body through stretching and strengthening exercises, awareness, relaxation, flexibility, and responsiveness.

THEATR 242 VOICE FOR THE PERFORMER

Units: 2.00 (1.00 unit lecture, 1.00 unit lab)
UC:CSU 18.00 hours lecture, 54.00 hours lab

Introduces fundamentals of voice for the performer in order to communicate openly and effectively, including tonal production, vocal quality, and articulation. Explores voice as an aid in understanding the complex relationship between the actor, the character, and the text. Field trips may be required

WATER SYSTEMS TECHNOLOGY

Associate in Science Degree and Certificate of Achievement: Water Systems Technology

Water Systems Technology is the study of water treatment processes, distribution processes, and wastewater processes. The program is designed to prepare students seeking a career in drinking water treatment and distribution or wastewater. The Water Systems Technology program also provides instruction for water and wastewater industry personnel interested in career advancement as well as continuing education opportunities for state-certified water treatment and water distribution operators for certification renewal. Coursework will help prepare students for various certification examinations given by the State of California Water Resources Control Board. Upon completion of the program, students will acquire skills and knowledge in water treatment concepts, wastewater treatment concepts, chemical dosage techniques, water distribution, water chemistry, water quality, water mathematical calculations and other skills needed throughout this vital industry. The students completing the program can become employed as a distribution operator, water treatment plant operator, water service representative, water quality specialist, wastewater collection worker and/or wastewater treatment operator.

Degree and Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the water industry.

Program Requirements:
Units Required: 21

		Units
WATER-120	Introduction to Water Systems Technology	3.0
WATER-130	Waterworks Mathematics	3.0
WATER-131	Advanced Waterworks Mathematics	3.0
WATER-132	Water Supply	3.0
WATER-135	Water Quality	3.0
	Plus six units from the following:	
WATER-140	Water Distribution Operator I	3.0
WATER-141	Water Distribution Operator II	3.0
	OR	
WATER-150	Water Treatment Plant Operation Processes I	3.0
WATER-151	Water Treatment Plant Operation Processes II	3.0
	OR	
WATER-160	Wastewater Treatment and Disposal I	3.0
WATER-161	Wastewater Treatment and Disposal II	3.0

WATER 120 INTRODUCTION TO WATER SYSTEMS TECHNOLOGY

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Explores the entire Water Systems Technology program, which includes the class and degree offerings. Reviews the State Water Resources Control Board Division of Drinking Water operator certification requirements. Various topics include water supply and demand, water quality, drinking water treatment and distribution, wastewater and recycled water and other related topics.

WATER 130 WATERWORKS MATHEMATICS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID WWTR 100X

Introduces basic mathematical principles related to drinking water distribution and treatment systems and wastewater treatment plants; including areas, volumes, pressure, flow rates, unit conversion, chemical dosage, detention time, and filtration rates. Focuses on mathematical computations within the expected range of knowledge on the State Water Resources Control Board exams for Drinking Water Distribution 1 and 2, Drinking Water Treatment 1 and 2, and Wastewater Treatment 1 and 2.

Continued on the next page.

WATER 131 ADVANCED WATERWORKS MATHEMATICS
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Prerequisite: WATER-130

Examines advanced study of mathematical principles related to water hydraulics, horsepower, flow rates, chemical dosages, detention time, filtration and backwash rates, CT calculations and various utility management analyses related to budget preparations, water rate structures, and demand design forecasting. Focuses on mathematical computations within the expected range of knowledge on the State of California Water Resources Control Board exams for Drinking Water Distribution 3, 4, and 5, Drinking Water Treatment 3 and 4, and Wastewater Treatment 3 and 4.

WATER 132 WATER SUPPLY
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Recommended Preparation: WATER-120

Examines the sources of drinking water supplies, with special emphasis on water in California. Explores the uses of water, including residential, commercial/ industrial/institutional, and landscaping demands. It also examines the roles and methods of conservation on water demand management.

WATER 135 WATER QUALITY
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Examines basic principles of chemistry and microbiology and applies them to water quality based on related state and federal regulations.

WATER 140 WATER DISTRIBUTION OPERATOR I
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID WWTR 130X

Recommended Preparation: WATER-130

Introduces basic concepts and processes of drinking water distribution systems, including a general background of drinking water sources, regulations, water system design, and various distribution system appurtenances. Assists in the preparation of the State of California Water Resources Control Board Certification Exams for Grades I and II. Field trips may be required.

WATER 141 WATER DISTRIBUTION OPERATOR II
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID WWTR 140X

Recommended Preparation: WATER-140 or four years of employment in a water treatment plant, water distribution system or hold a valid Grade I license.

Presents intermediate to advanced principles of water distribution. Assists in preparation for Grade III & IV Water Distribution Operator's Certificate examination given by the State of California Water Resources Control Board. Field trips may be required.

WATER 150 WATER TREATMENT PLANT OPERATION PROCESSES I
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID WWTR 150X

Recommended Preparation: WATER-130 & WATER-135

Presents the basic operating principles and techniques of the conventional surface water treatment processes of coagulation, flocculation, sedimentation, and filtration, plus those of disinfection processes. Assists in preparation for Grade T1 and T2 Water Treatment Plant Operator's Certificate examination given by the State of California Water Resources Control Board. Field trips may be required.

WATER 151 WATER TREATMENT PLANT OPERATION PROCESSES II
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID WWTR 160X

Recommended Preparation: WATER-131 and 150.

Examines advanced topics in conventional surface water treatment processes and disinfection, as well as non-conventional treatment processes. Assists in preparation for Grade T3 and T4 Water Treatment Plant Operator's Certificate examination given by the State of California Water Resources Control Board. Field trips may be required.

WATER 160 WASTEWATER TREATMENT AND DISPOSAL I
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID WWTR 110X

Presents the basic operating principles and techniques of conventional wastewater treatment processes including preliminary treatment, primary treatment, and secondary treatment, as well as wastewater quality assessment, wastewater collection, and wastewater disposal. Assists in preparation for Grade 1/2 Wastewater Treatment Plant Operator Certificate examination given by the State of California Water Resources Control Board. Field trips may be required.

WATER 161 WASTEWATER TREATMENT AND DISPOSAL II
Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID WWTR 120X

Recommended Preparation: WATER-160

Examines advanced topics in conventional wastewater treatment processes including alternative secondary treatment methods, tertiary treatment, disinfection and dechlorination, solids handling, water recycling, and industrial waste management. Assists in preparation for Grade 2 Wastewater Treatment Plant Operator Certificate examination given by the State of California Water Resources Control Board. Field trips may be required.

WELDING

Associate in Science Degree and Certificate of Achievement: Welding Technology

Welding Technology is a career education program designed to prepare students for a variety of entry-level positions in today's welding and fabrication related industries. Course offerings range from very basic welding fundamentals to the most technically advanced. Students gain skills in safety procedures, applied theory, metal fabrication, and related welding processes. Emphasis is placed on individual instruction. Instructors are AWS Certified Welding Inspectors/Educators. Welding curriculum is aligned with the American Welding Society SENSE Entry Welder Program. Students can earn welder certifications in accordance with the American Welding Society (AWS), the Los Angeles Department of Building and Safety (LADBS), and The American Society of Mechanical of Engineers (ASME). Upon successful completion of the program, students are prepared to enter into the following career opportunities: welder, welding inspector, welding technician/fitter, pipe fitter/welder, and metal fabricator.

Degree and Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in industry-recognized principles and practices as they apply to today's welding and metal fabrication industries.

Program Requirements:
Units Required: 34

		Units
Complete 15 units from two of the course blocks below		
WELD-100A	Introduction to Metal Fabrication	2.5
WELD-100B	Intermediate Metal Fabrication	2.5
WELD-100C	Advanced Metal Fabrication	2.5
WELD-101A	Introduction to Shielded Metal Arc Welding	2.5
WELD-101B	Intermediate Shielded Metal Arc Welding	2.5
WELD-101C	Advanced Shielded Metal Arc Welding	2.5
WELD-111A	Introduction to Semiautomatic Welding	2.5
WELD-111B	Intermediate Semiautomatic Welding	2.5
WELD-111C	Advanced Semiautomatic Welding	2.5
WELD-112A	Introduction to Gas Tungsten Arc Welding	2.5
WELD-112B	Intermediate Gas Tungsten Arc Welding	2.5
WELD-112C	Advanced Gas Tungsten Arc Welding	2.5
WELD-114A	Introduction to Gas Tungsten Arc Welding	2.5
WELD-114B	Intermediate Gas Tungsten Arc Welding	2.5
WELD-114C	Advanced Gas Tungsten Arc Welding	2.5
	OR	
	Complete fifteen units from the following:	
WELD-113A	Introduction to Pipe Welding	4.0
WELD-113B	Pipe Layout and Fabrication	3.0
WELD-113C	Intermediate Pipe Welding	4.0
WELD-113D	Advanced Pipe Welding	4.0
	Plus the following required electives:	
WELD-130	Welding Metallurgy	3.0
WELD-131	Non-Destructive Testing	3.0
WELD-132	Print Reading for Welders and Fabricators	3.0
WELD-133	Welding Inspection	3.0
MFGT-090	Measurements and Computations	3.0
ENGL-104	Technical Reading and Writing	3.0
	OR	
ENGL-204	Technical Report Writing	3.0
WE-186WELD	Work Experience Education Welding Technology	1.0 - 4.0

Certificate of Achievement: Gas Tungsten Arc Welding

The Welding Technology Certificate of Achievement in Gas Tungsten Arc Welding (GTAW) provides training to gain the technical and applied skills to perform advanced welding tasks. Course work includes a comprehensive study with an emphasis on application of advanced welding techniques and industry practices. Program completers are prepared for entry-level employment into industries such as aerospace, motorsports, petrochemical, and general fabrication.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in industry recognized principles and practices as they apply to today's welding and metal fabrication industries.

Program Requirements:
Units Required: 19.5

		Units
WELD-112A	Introduction to Gas Tungsten Arc Welding	2.5
WELD-112B	Intermediate Gas Tungsten Arc Welding	2.5
WELD-112C	Advanced Gas Tungsten Arc Welding	2.5
	Required Electives:	
WELD-130	Welding Metallurgy	3.0

Continued on the next page.

WELD-131	Non-Destructive Testing	3.0
WELD-132	Print Reading for Welders and Fabricators	3.0
WELD-133	Welding Inspection	3.0

Certificate of Achievement: Metal Fabrication

The Certificate of Achievement in Metal Fabrication provides theoretical and hands-on skills in the safe and efficient use of industry relevant metal fabrication tools equipment. Coursework includes project design, use of CNC press brake & plasma cutting equipment, manual machining, sheet metal fabrication, tube bending, metal forming/shaping and welding. Program completers are prepared for entry level employment in industries as aerospace, motorsports, petrochemical, and general fabrication.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in industry recognized principles and practices as they apply to today's welding and metal fabrication industries.

Program Requirements:
Units Required: 16.5

		Units
WELD-100A	Introduction to Metal Fabrication	2.5
WELD-100B	Intermediate Metal Fabrication	2.5
WELD-100C	Advanced Metal Fabrication	2.5
	Required Electives:	
WELD-130	Welding Metallurgy	3.0
WELD-131	Non-Destructive Testing	3.0
WELD-133	Welding Inspection	3.0

Certificate of Achievement: Robotic Welding Automation

The Welding Technology Certificate of Achievement in Robotic Welding Automation provides training to gain the technical and applied skills required to perform advanced programming and operational tasks as per the American Welding Society standards and specifications for robotic welding.

Certificate Student Learning Outcome:
Students will be to:

- Analyze the theory and skills necessary for performing advanced programming and operational tasks as per AWS Robotic Arc Welding standards.
- Safely operate common robotic welding automation systems while performing advanced programming and welding functions.

Program Requirements:
Units Required: 19.5

		Units
WELD-114A	Introduction to Robotic Welding Automation	2.5
WELD-114B	Intermediate Robotic Welding Automation	2.5
WELD-114C	Advanced Robotic Welding Automation	2.5
	Required Electives:	
WELD-130	Welding Metallurgy	3.0
WELD-131	Non-Destructive Testing	3.0
WELD-132	Print Reading for Welders and Fabricators	3.0
WELD-133	Welding Inspection	3.0

Certificate of Achievement: Semiautomatic Welding

The Welding Technology Certificate of Achievement in Semi-Automatic welding provides training to gain the technical and applied skills to perform advanced welding tasks. Course work includes a comprehensive study with an emphasis on application of fundamental welding techniques and industry practices. Program completers are prepared for entry level employment into industries such as aerospace, motorsports, petrochemical, and general fabrication

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in industry recognized principles and practices as they apply to today's welding and metal fabrication industries.

Program Requirements:
Units Required: 16.5

		Units
WELD-111A	Introduction to Semiautomatic Welding	2.5
WELD-111B	Intermediate Semiautomatic Welding	2.5
WELD-111C	Advanced Semiautomatic Welding	2.5
	Required Electives:	
WELD-130	Welding Metallurgy	3.0
WELD-131	Non-Destructive Testing	3.0
WELD-133	Welding Inspection	3.0

Certificate of Achievement: Structural Steel Welding

The Welding Technology Certificate of Achievement in Structural Steel Welding is designed for those interested in welding structural steel. Course work includes a comprehensive study with an emphasis on application of fundamental welding techniques and industry practices. Program completers are prepared for entry level employment into industries such as steel construction and maintenance & repair, and general fabrication.

Certificate Student Learning Outcome:
Students will be able to demonstrate advanced level skills to produce quality welds in the flat, horizontal, vertical, and overhead positions using the shielded metal arc welding process.

Program Requirements:
Units Required: 19.5

		Units
WELD-101A	Introduction to Shielded Metal Arc Welding	2.5
WELD-101B	Intermediate Shielded Metal Arc Welding	2.5

WELD-101C	Advanced Shielded Metal Arc Welding	2.5
	Required Electives:	
WELD-130	Welding Metallurgy	3.0
WELD-131	Non-Destructive Testing	3.0
WELD-132	Print Reading for Welders and Fabricators	3.0
WELD-133	Welding Inspection	3.0

Certificate of Specialization: Pipe Fabrication/Welding

The Welding Technology Certificate of Specialization in Pipe Fabrication/Welding provides training to gain technical and applied skills in the joining of carbon steel pipe. Coursework includes pipe layout fabrication and welding of pipe in the 1G, 2G, 5G, and 6G positions using shielded metal arc welding (SMAW), gas tungsten arc welding (GTAW) and gas metal arc welding (GMAW). Welder qualification performance exams in accordance with the American Petroleum Institute (API), American Society of Mechanical Engineers (ASME) and the American Welding Society are offered.

Certificate Student Learning Outcome:
Students will be able to demonstrate the ability to fabricate and weld carbon steel pipe joints in multiple positions that meet industry code acceptance criteria.

Program Requirements:
Units Required: 15

		Units
WELD-113A	Introduction to Pipe Welding	4.0
WELD-113B	Pipe Layout and Fabrication	3.0
WELD-113C	Intermediate Pipe Welding	4.0
WELD-113D	Advanced Pipe Welding	4.0

WELD 096 WELDING CERTIFICATION AND LICENSE PREPARATION

Units: 3.00 (3.00 units lecture)
54.00 hours lecture

Recommended Preparation: WELD-101C

Presents practical applications and fundamental concepts to prepare students for the Los Angeles City Department of Building and Safety Department Examination (written) for structural steel.

WELD 100A INTRODUCTION TO METAL FABRICATION

Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab
C-ID WELD 114X

First in a three-part series of courses examining the principles and practices of metal fabrication including layout and design techniques, while emphasizing the safe operation of drilling, cutting, threading, grinding, and related equipment. Students are exposed to basic design techniques and cost estimation methods used to fabricate basic metal projects.

WELD 100B INTERMEDIATE METAL FABRICATION

Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab

Prerequisite: WELD-100A

Second in a three-part series of courses examining the principles and practices of enhanced metal fabrication. Emphasis is placed on safe proper operation of bending, turning, cutting, milling and related equipment. Students are exposed to enhanced design techniques used to fabricate intermediate level projects.

WELD 100C ADVANCED METAL FABRICATION

Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab

Prerequisite: WELD-100B

Third in a three-part series of courses examining the principles and practices of metal fabrication, while emphasizing safe and proper operation of metal working equipment. Students construct advanced projects that involve design, layout, machining, fabrication, and welding technology.

WELD 101A INTRODUCTION TO SHIELDED METAL ARC WELDING

Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab
C-ID WELD 101X

The first of a three-part series introducing the theory and application of shielded metal arc welding (SMAW). Emphasizes safety procedures, use of SMAW consumables & welding equipment, and proper welding techniques in accordance with the American Welding Society SENSE EG2.0 Entry-Level Welder program and the National Coalition of Certification Centers (NC3).



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WELD 101B INTERMEDIATE SHIELDED METAL ARC WELDING

Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab

Prerequisite: WELD-101A

The second of a three-part series in the theory and application of shielded metal arc welding (SMAW). Emphasizes safety procedures, use of SMAW consumables & welding equipment and enhanced welding techniques in accordance with the American Welding Society SENSE EG2.0 Entry-Level Welder program and the National Coalition of Certification Centers (NC3).

WELD 101C ADVANCED SHIELDED METAL ARC WELDING

Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab

Prerequisite: WELD-101B

The third in a three-part series introducing the theory and application of shielded metal arc welding (SMAW). Emphasizes safety procedures, use of SMAW consumables & welding equipment, and proper welding techniques in accordance with the American Welding Society SENSE EG2.0 Entry-Level Welder program and National Coalition of Certification Centers (NC3).

WELD 111A INTRODUCTION TO SEMIAUTOMATIC WELDING

Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab

C-ID WELD 102X

The first of a three-part series introducing the theory and application of gas metal arc welding (GMAW). Emphasizes safety procedures, use of GMAW consumables & welding equipment, and proper welding techniques in accordance with the American Welding Society SENSE EG2.0 Entry-Level Welder program and National Coalition of Certification Centers (NC3).

WELD 111B INTERMEDIATE SEMIAUTOMATIC WELDING

Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab
C-ID WELD 103X

Prerequisite: WELD-111A

The second of a three-part series introducing the theory and application of flux cored arc welding (FCAW). Emphasizes safety procedures, use of FCAW consumables & welding equipment, and proper welding techniques in accordance with the American Welding Society SENSE EG2.0 Entry-Level Welder program and National Coalition of Certification Centers (NC3).

WELD 111C ADVANCED SEMIAUTOMATIC WELDING

Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab

Prerequisite: WELD-111B

The third of a three-part series providing advanced theory and application in semiautomatic welding processes. Emphasizes safety procedures, use of advanced technology GMAW equipment, and application of complex welding techniques in accordance with advanced welding procedure specifications.

WELD 112A INTRODUCTION TO GAS TUNGSTEN ARC WELDING

Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab

C-ID WELD 104X

The first of a three-part series introducing fundamental theory and application of gas tungsten arc welding (GTAW). Emphasize safety procedures, use of GTAW equipment, and proper techniques in accordance with the American Welding Society SENSE Entry-Level program and National Coalition of Certification Centers (NC3).

WELD 112B INTERMEDIATE GAS TUNGSTEN ARC WELDING

Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab

Prerequisite: WELD-112A

The second of a three-part series providing further development in the theory and application of gas tungsten arc welding (GTAW). Emphasizes safety procedures, use of GTAW equipment and proper techniques in accordance with the American Welding Society SENSE Entry-Level program and National Coalition of Certification Centers (NC3).

WELD 112C ADVANCED GAS TUNGSTEN ARC WELDING

Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab

Prerequisite: WELD-112B

The third of a three-part series providing advanced theory and applications of gas tungsten arc welding (GTAW). Emphasize safety procedures, use of GTAW equipment and proper techniques in accordance with the American Welding Society SENSE Entry-Level program and National Coalition of Certification Centers (NC3).

WELD 113A INTRODUCTION TO PIPE WELDING

Units: 4.00 (2.00 units lecture, 2.00 units lab)
CSU 36.00 hours lecture, 108.00 hours lab

Prerequisite: WELD-101C, Co-requisite: WELD-113B

First in a series that provides fundamental theory and application of pipe welding using the shielded metal arc welding (SMAW) process. Procedures leading to skillfulness in weld-joint design, pre-weld fit up, basic metallurgy and related welding codes and standards are emphasized. Emphasis on weld positions 1G, 2G, 5G, and 6G using mild steel electrodes, in accordance with American Petroleum Institute API-1104.

WELD 113B PIPE LAYOUT AND FABRICATION

Units: 3.00 (2.00 units lecture, 1.00 unit lab)

CSU 36.00 hours lecture, 54.00 hours lab

Prerequisite: WELD-101C, Co-requisite: WELD-113A

Explores the fundamental concepts used in the layout and fabrication of pipe connections and fittings. Emphasis is placed on constructing pipe connections commonly used in the piping industry. Related math calculations and cutting techniques are utilized to prepare students for entry into pipe fitting related fields.

WELD 113C INTERMEDIATE PIPE WELDING

Units: 4.00 (2.00 units lecture, 2.00 units lab)
CSU 36.00 hours lecture, 108.00 hours lab

Prerequisite: WELD-113A

Recommended Preparation: WELD-112B

Third in a series of courses in the further development of pipe welding skills and techniques as per API 1104 in addition to providing theory and application in pipe welding using gas tungsten arc welding (GTAW) of carbon steel pipe. Covers weld positions 1G, 2G, 5G, and 6G using uphill progression, in accordance with American Mechanical Engineering (ASME) Pressure and Vessel Codes.

WELD 113D ADVANCED PIPE WELDING

Units: 4.00 (2.00 units lecture, 2.00 units lab)
CSU 36.00 hours lecture, 108.00 hours lab

Prerequisite: WELD-113C

Capstone course to continue development in advanced pipe welding skills. Includes theory and application of pipe welding of carbon steel pipe using gas metal arc welding (GMAW) in weld positions 2G, 5G, and 6G using downhill and uphill progression. Prepares students for pipe welding certifications in accordance with the American Society of Mechanical Engineers (ASME) and the American Welding Society (AWS).

WELD 114A INTRODUCTION TO ROBOTIC WELDING AUTOMATION

Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab

The first of a three-part series introducing fundamental theory and hands-on application of robotic welding automation. Emphasizes safety awareness, programing techniques, and basic gas metal arc welding applications using six-axis robotic welding systems.

WELD 114B INTERMEDIATE ROBOTIC WELDING AUTOMATION

Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab

Prerequisite: WELD-114A

The second of a three-part series introducing intermediate-level theory and hands-on application of robotic welding automation. Emphasizes safety awareness, programming techniques, and intermediate gas metal arc welding applications using six-axis robotic welding systems.

WELD 114C ADVANCED ROBOTIC WELDING AUTOMATION

Units: 2.50 (1.50 units lecture, 1.00 unit lab)
CSU 27.00 hours lecture, 54.00 hours lab

Prerequisite: WELD-114B

The third of a three-part series introducing advanced-level theory and hands-on application of robotic welding automation. Emphasizes safety awareness, programming techniques, and advanced gas, metal, arc welding (GMAW) welding applications using six-axis robotic welding systems.

WELD 130 WELDING METALLURGY

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID WELD 112X

Introduces basic metallurgy as applied to welding, emphasizing common heat treatment procedures, welding enhancement procedures, and thermal control of stress and strain in relation to ferrous and non-ferrous metals. Applications of destructive and nondestructive testing and their role in quality assurance are covered.

WELD 131 NON-DESTRUCTIVE TESTING

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID WELD 111X

Surveys common Nondestructive Testing (NDT) theories and applications as they relate to industry recognized quality control systems. Emphasizes Visual Test (VT), Penetrant Test (PT) Magnetic Particle test (MT), Radiographic Test (RT), Ultrasonic Test(UT) and Eddy Current (ET).

Continued on the next page.

WELD 132 PRINT READING FOR WELDERS AND FABRICATORS

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture
C-ID WELD 110X

Recommended Preparation: MFGT-090

Examines print and drawing interpretation practices commonly used by welding and metal fabrication industries. Exposure to common drawing types, symbols, views, lines, dimensions, and tolerances. Emphasizes the analysis of welding symbols as approved by the American Welding Society (AWS) and International Organization of Standardization (ISO).

WELD 133 WELDING INSPECTION

Units: 3.00 (3.00 units lecture)
CSU 54.00 hours lecture

Surveys common welding codes, standards, specifications, welding metallurgy, and testing methods used in the process of performing effective evaluations of welds.

WINE STUDIES

Certificate of Achievement: Wine and Beer Studies

The Wine Studies program is designed to provide students desiring employment in the culinary or restaurant industry with foundational knowledge and skills in world viticulture and wine and beer styles. The curriculum provides an introduction to wine and beer appreciation, service, and wine and beer food pairings. Upon completion of the program, students will have a well-developed wine palate and will be able to assist customers in wine and beer selections.

Certificate Student Learning Outcome:
Students will be able to:

- Compare and contrast the world wine and beer regions.
- Perform sensory evaluation on wines and beer from a variety of regions.

Program Requirements:
Units Required: 17

		Units
WINEST-085	Wines of California	2.0
WINEST-086	Wines of Italy	1.5
WINEST-087	Wines of France	1.5
WINEST-088	Wines of Australia & New Zealand	1.5
WINEST-089	Wines of Spain	1.5
WINEST-100	Wine Appreciation	3.0
WINEST-102	World Viticulture and Wine Styles	3.0
WINEST-104	Hospitality Beverage Management	3.0

Recommended Electives:

BEERST-083	Beer Appreciation	1.5

Certificate of Specialization: Hospitality Wine Service

The Hospitality Wine Service program is designed to provide students with knowledge and skills related to providing exceptional wine service in restaurants, hotels and other culinary venues. The program provides introductory knowledge on world viticulture and wine styles but focuses on the food, business and service aspects of wine and the role of wine in the hospitality industry.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the wine service/hospitality/restaurant industry.

Program Requirements:
Units Required: 6.5

		Units
WINEST-084	Wine Service and Hospitality	1.5
WINEST-085	Wines of California	2.0
WINEST-100	Wine Appreciation	3.0

WINEST 084 WINE SERVICE AND HOSPITALITY

Units: 1.50 (1.50 units lecture)

27.00 hours lecture

Prerequisite: Students must be 21 years of age to enroll.

Introduces the basics of wine service for the hospitality industry. Pregnant women and persons with allergies to sulfites are advised not to take this class as wine will be tasted.

WINEST 085 WINES OF CALIFORNIA

Units: 2.00 (2.00 units lecture)

36.00 hours lecture

Prerequisite: Students must be 21 years of age to enroll.

Explores the major wine regions of California including the grape varieties and types of wine production. Includes the wine styles and associated wine laws, structure and culture of California. Pregnant women and persons with allergies to sulfites are advised not to take this class as wine will be tasted.

WINEST 086 WINES OF ITALY

Units: 1.50 (1.50 units lecture)

27.00 hours lecture

Prerequisite: Students must be 21 years of age to enroll.

Introduces the major wine regions of Italy, grape varietals grown, and the wines produced. Includes the process of Italian wine making, the importance of wine in Italian cuisine and culture and the stature Italian wines have achieved worldwide. Pregnant women and persons with allergies to sulfites are advised not to take this class as wine will be tasted.

WINEST 087 WINES OF FRANCE

Units: 1.50 (1.50 units lecture)

27.00 hours lecture

Prerequisite: Students must be 21 years of age to enroll.

Explores the major wine regions of France, the grape varieties and types of wine production. Includes the wine styles and associated wine laws, structure and culture of France. Pregnant women and persons with allergies to sulfites are advised not to take this class as wine will be tasted.

WINEST 088 WINES OF AUSTRALIA AND NEW ZEALAND

Units: 1.50 (1.50 units lecture)

27.00 hours lecture

Prerequisite: Students must be 21 years of age to enroll.

Explores the major wine regions of Australia and New Zealand, the grape varieties and wine production. Includes the wine styles and associated wine laws, structure and culture of Australia and New Zealand. Pregnant women and persons with allergies to sulfites are advised not to take this class as wine will be tasted.

WINEST 089 WINES OF SPAIN

Units: 1.50 (1.50 units lecture)

27.00 hours lecture

Prerequisite: Students must be 21 years of age to enroll.

Explores the major wine regions grape varieties and wine production of Spain. Includes the wine styles and associated wine laws, structure and culture of Spain. Pregnant women and persons with allergies to sulfites are advised not to take this class as wine will be tasted.

WINEST 100 WINE APPRECIATION

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Prerequisite: Students must be 21 years of age to enroll.

Explores the grape varietals and types of wine produced in the major wine regions of France, Italy, Germany, Spain, Australia, New Zealand, South America, and North America. Pregnant women and persons with allergies to sulfites are advised not to take this class as wine will be tasted.



WINEST 102 WORLD VITICULTURE AND WINE STYLES

Units: 3.00 (3.00 units lecture)

UC:CSU 54.00 hours lecture

Prerequisite: WINEST-100 and students must be 21 years of age to enroll.

Surveys the world of viticulture and the wine industry, including the history of viticulture, grapevine anatomy, worldwide grapes, wine production, the making of wine and sensory evaluations. Pregnant women and persons with allergies to sulfites are advised not to take this class as wine will be tasted.

WINEST 104 HOSPITALITY BEVERAGE MANAGEMENT

Units: 3.00 (3.00 units lecture)

CSU 54.00 hours lecture

Prerequisite: WINEST-100

Examines wine and beverage purchasing, storage, and selling for the restaurant management professional.

WOMEN AND GENDER STUDIES

Certificate of Specialization: Women and Gender Studies

This certificate will offer students the opportunity to critically explore how gender shapes and is shaped by social, political, historical, and cultural forces. Grounded in inclusive frameworks, this certificate will prepare students to navigate and lead in an increasingly complex and interconnected world. Through an interdisciplinary lens, students will examine how gender intersects with race, class, sexuality, ability, and other axes of identity and power.

Certificate Student Learning Outcome:
Students will be able to analyze global gendered experiences across history and culture, including the intersections of sexism with other systems of oppression, including racism, classism, heterosexism, ageism, and transphobia.

Program Requirements:
Units Required: 15

Complete fifteen units from the following courses:

		Units:
ANTHRO-120	Queer Anthropology – Cross-Cultural Perspectives	3.0
COMM-260	Communication and Gender	3.0
ENGL-280	Women Writers	3.0

Continued on the next page.

ETHNST-104	Chicana/Latina Feminism in Contemporary Society	3.0
HIST-120	The Role of Women in the History of the United States	3.0
	OR	
HIST-120H	The Role of Women in the History of the United States – Honors	3.0
HLHSCI-243	Women's Health	3.0
PSYC-235	Psychology of Gender Roles	3.0
SOCI-200	Sociology of Gender	3.0
	OR	
SOCI-200H	Sociology of Gender – Honors	3.0

WORK EXPERIENCE EDUCATION

The Work Experience Education (WEE) Program has been integrated into academic departments throughout the College. This program allows students to apply knowledge gained in college courses to an actual work setting. In addition, interns who qualify for these courses are able to sample career choices and to improve job-readiness skills. This would be in a paid or unpaid work setting.

WE 186AUTO WORK EXPERIENCE EDUCATION AUTOMOTIVE TECHNOLOGY

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Automotive Technology from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit to receive credit.

WE 186BAKE WORK EXPERIENCE EDUCATION BAKING AND PASTRY

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Baking and Pastry from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit to receive credit.

WE 186BUS WORK EXPERIENCE EDUCATION BUSINESS

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Business from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit receive credit.

WE 186CAWT WORK EXPERIENCE EDUCATION COMPUTER APPLICATIONS AND WEB TECHNOLOGIES

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Computer Applications and Web Technologies from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit receive credit.

WE 186CNST WORK EXPERIENCE EDUCATION CONSTRUCTION

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Construction from college courses or career exploration in an actual work setting. Students must work at the internship site a minimum of 54 hours per unit to receive credit.

WE 186CULA WORK EXPERIENCE EDUCATION CULINARY ARTS

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Culinary Arts from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit to receive credit.

WE 186ENVR WORK EXPERIENCE EDUCATION ENVIRONMENTAL SCIENCE

Units: 0.50-4.00 (1.00 – 4.00 units lab)

CSU 27.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Environmental Science from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit (or 27 hours for .5 unit) to receive credit.

WE 186GMD WORK EXPERIENCE EDUCATION GRAPHIC AND MULTIMEDIA DESIGN

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Graphic and Multimedia Design from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit to receive credit.

WE 186HOSP WORK EXPERIENCE EDUCATION HOSPITALITY MANAGEMENT

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Hospitality Management from college courses or career exploration in an actual work setting. Maximum of 4units per enrollment. Students must work at the internship site a minimum of 54 hours per unit to receive credit.

WE 186ID WORK EXPERIENCE EDUCATION INTERIOR DESIGN

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Interior Design from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit to receive credit.

WE 186ITP WORK EXPERIENCE EDUCATION INTERPRETING

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Interpreting from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit to receive credit.

WE 186MEA WORK EXPERIENCE EDUCATION MEDIA ENTERTAINMENT ARTS

Units: 0.50 - 4.00 (0.50 – 4.00 units lab)

CSU 27.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Media Entertainment Arts from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit (or 27 hours for .5 unit) to receive credit.

WE 186MFGT WORK EXPERIENCE EDUCATION MANUFACTURING TECHNOLOGY

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Manufacturing from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit to receive credit.

WE 186MUS WORK EXPERIENCE EDUCATION MUSIC

Units: 0.50 - 4.00 (0.50 – 4.00 units lab)

CSU 27.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of music from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit (or 27 hours for .5 unit) to receive credit.

WE 186NETW WORK EXPERIENCE EDUCATION NETWORK TECHNOLOGY

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Network Technology from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit to receive credit.

WE 186PHOT WORK EXPERIENCE EDUCATION PHOTOGRAPHY

CSU 54.00 - 216.00 hours lab (1.00 – 4.00 units lab)

Provides students with the opportunity to apply knowledge and skills gained in the area of Photography from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit to receive credit.

WE 186PLGL WORK EXPERIENCE EDUCATION PARALEGAL

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of paralegal studies from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit to receive credit.

Continued on the next page.

WE 186REC WORK EXPERIENCE EDUCATION RECREATION MANAGEMENT

Units: 0.50-4.00 (0.50 – 4.00 units lab)

CSU 27.00 - 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Recreation Management from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit (or 27 hours for .5 unit) to receive credit.

WE 186SIGN WORK EXPERIENCE EDUCATION SIGN LANGUAGE

Units: 0.50-4.00 (0.50 – 4.00 units lab)

CSU 27.00 – 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of American Sign Language from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit (or 27 hours for .5 unit) to receive credit.

WE 186SSP WORK EXPERIENCE EDUCATION DEAF-BLIND SUPPORT SERVICE PROVIDER

Units: 0.50-4.00 (0.50 – 4.00 units lab)

CSU 27.00 – 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Deaf-Blind Support Service Provider from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit (or 27 hours for .5 unit) to receive credit.

WE 186THTR WORK EXPERIENCE EDUCATION TECHNICAL THEATRE

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 – 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Technical Theatre from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit to receive credit.

WE 186WELD WORK EXPERIENCE EDUCATION WELDING TECHNOLOGY

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 – 216.00 hours lab

Provides students with the opportunity to apply knowledge and skills gained in the area of Welding from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit to receive credit.

WE 189GNRL WORK EXPERIENCE EDUCATION GENERAL

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 – 216.00 hours lab

Provides students with the opportunity to develop desirable work habits, attitudes and career awareness as well as potentially apply knowledge and skills gained in the area of study from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship or job site a minimum of 54 hours per unit to receive credit.

WE 486ARCH WORK EXPERIENCE EDUCATION ARCHITECTURE

Units: 1.00-4.00 (1.00 – 4.00 units lab)

CSU 54.00 – 216.00 hours lab

Prerequisite: ARCHT-290, 370, and 450

Provides students with the opportunity to apply knowledge and skills gained in the area of Sustainable Building from college courses or career exploration in an actual work setting. Maximum of 4 units per enrollment. Students must work at the internship site a minimum of 54 hours per unit to receive credit. Upper division course, registration is limited to students with Junior Standing in the Bachelor of Science in Building Performance Degree program.

The College's School of Personal and Professional Learning provides lifelong learning classes to residents of all ages with opportunities for professional development, skills development, and language acquisition. These courses are offered tuition-free and are supported by the State of California. Courses include English as a Second Language (ESL), Immigrant Education & Citizenship, College Success Skills, programs for Older Adults (Emeritus College), Health and Safety Education, and Career Technical Education programs. Some courses may require a materials fee to be paid at the time of registration to cover the cost of supplies and materials given to students during the class. This fee does not cover the cost of any required textbooks. The noncredit courses listed below are offered on a pass/no-pass basis unless otherwise noted.

Certificate of Competency

- Advanced American Language and Culture
- Beginning Conversational English
- College Success Toolkit
- Emerging Leaders
- English as a Second Language (ESL) for College Preparation I
- Entrepreneurship
- ESL/Beginning Level
- ESL/Intermediate Level
- Essential Accounting Skills
- Essential Arithmetic Skills
- Essential Beginning Algebra Skills
- Essential Intermediate Algebra Skills: Functions and Rational Exponents
- Essential Intermediate Algebra Skills: Polynomials
- Essential Intermediate Algebra Skills: Quadratics, Exponentials, and Logarithms
- Essential Intermediate Algebra Skills: Shapes and Patterns
- Essential Pre-Algebra Skills
- Essential Reading and Writing Skills for College and Career
- Generative AI for Academic and Career Success
- Intermediate American Language and Culture
- Intermediate Conversational English
- Library and Internet Research Skills
- Understanding Trauma in Children and Youth Training
- Upgrade to Academic Success

Certificate of Competency

- 21st Century Career Skills
- 21st Century Teaching Practices
- ASL for Personal and Professional Development
- Baking Fundamentals
- Basic Computer Drafting for the Entertainment Industry
- Business of Acting
- Career and Lifestyle Exploration
- Career Preparation for Occupational Therapy Assistants
- Career Strategist
- CBEST Preparation
- Certified Adobe Photoshop Technician
- Certified Paralegal Exam Test Preparation
- Commercial Painting
- Commercial Printing
- Commercial Sewing
- Commercial Sexual Exploitation of Children (CSEC) Training
- Conversational ASL for Personal and Professional Development
- Crime and Intelligence Analysis
- Customer Relations
- Digital Office
- Digital Photographic Camera and Composition Fundamentals
- Digital Photographic Camera and Manual Exposure Fundamentals
- Digital Photographic Project Fundamentals
- Digital Publishing for the Office
- Diné Language and Culture for the Workplace
- Drafting for the Entertainment Industry (AutoCAD)
- Drafting for the Entertainment Industry (Vectorworks)
- English as a Second Language (ESL) for College Preparation II
- English for the Workplace
- Entering the Workforce Post Criminal Conviction
- eSports and Interactive Media
- Essential Academic Skills
- Essential Skills for Microsoft Windows and Keyboarding
- Essential Workforce Skills for Health Professions
- Executive Functioning Skills
- Foundations of Dementia Care: Alzheimer's and Cognitive Support
- Fundamental Skills for Commercial Artists
- Fundamental Skills in Diagnostic Medical Sonography
- Fundamental Teaching Skills for Higher Education
- Fundamentals of Anatomy and Physiology for Movement Professionals
- Fundamentals of Communication
- Fundamentals of Public Communication
- Gateway Human Resources Assistant
- General Education Development Preparation
- Global Navigation Satellite System (GNSS) Certificate Program
- Human Resources Professional
- Instructional Aide Training
- Introduction to Healthcare and Nursing Assistant Skills
- Keyboarding and Document Processing
- Management Tool Box
- Master Gardener
- Math and Professional Skills for Healthcare Careers
- Medical Scribe
- Mindful Co-worker
- Mock Trial
- Model Making for Architecture and Interior
- Navigating Mental Health Issues in the Workplace
- NCEES Fundamentals of Surveying (FS) Exam Test Preparation
- Nursing Skills Lab
- Nursing Success
- Occupational Safety Health Administration (OSHA)
- Personal Care Aide Training
- Personal Trainer Preparation
- Physical Fitness Preparation for Public Safety
- Physical Therapist Assistant Essential Lab Skills
- Police Defensive Tactics and Arrest & Control
- Project Management for Non-Project Managers
- Public Speaking for Interviews and the Workplace
- Public Speaking for Social Media and the Workplace
- Residential Repair Technician
- QuickBooks Online
- Real Estate
- Spanish for Educators
- Spanish for Healthcare Workers
- Supervisor's Roadmap
- Survive and Thrive in the Workplace
- Teaching Foundation
- Teaching Yoga for Health and Longevity
- Therapeutic Rehabilitation Technician
- Transfer Preparation
- Wilderness Leadership
- Written Exam and Interview Workshop for Public Safety Entry & Promotion
- Workplace Essentials
- Yoga Teacher Training

ACCOUNTING

Certificate of Completion: Essential Accounting Skills

This comprehensive program merges the detailed study of Cost Accounting with the analytical depth of Intermediate Accounting. The curriculum emphasizes managerial accounting, focusing on factory and production environments, alongside cost systems. Students will explore various types of costs, elements of costs, and cost behavior, including detailed analyses of variances for labor, materials, overhead, and indirect expenses. The course also covers allocation of cost to by-products, standard cost, and budgeting.

Certificate Student Learning Outcome:
Students will be able to prepare comprehensive accounting reports and demonstrate an in-depth understanding of accounting practices.

Program Requirements:
Units Required: 0

		Units:
NC.BUS-203	Cost Accounting	0.0
NC.BUS-204	Intermediate Accounting	0.0

NC.BUS-203 COST ACCOUNTING

45.00 – 60.00 hours

Recommended Preparation: BUS-202 or equivalent

Focuses on both managerial (factory and production) and cost accounting with emphasis on cost and non-cost systems. Covers types of cost, elements of costs, cost behavior, variances for labor, materials overhead, indirect expenses, allocation of cost to by-products, standard cost and budgets. This course may be taken for a letter grade.

NC.BUS-204 INTERMEDIATE ACCOUNTING

45.00 – 60.00 hours

Recommended Preparation: BUS-202 or equivalent

Provides complete analytical application and an advanced review of topics discussed in Accounting I & II. Topics include assets (current, fixed, and intangible), investments, financial statements, income taxes, liabilities, stockholders equity, revenue recognition, operating and capital leases, asset acquisition and leases. This course may be taken for a letter grade.



ADAPTED FITNESS

NC.APE-001 ADAPTED FITNESS

12.00 – 36.00 hours

Introduces adapted fitness for individuals of all ability levels. Students learn to modify health-related fitness activities to meet their individual needs, including cardiorespiratory endurance, muscular strength and endurance, and flexibility for overall health. Emphasis is placed on safe participation, personal goal setting, and developing a fitness plan for home and community use. Activities and instruction are adapted to support each student's abilities, reflect diverse cultural perspectives, and promote lifelong wellness.

NC.APE-002 ADAPTED STRETCHING AND RELAXATION

12.00 – 36.00 hours

Introduces adapted flexibility and relaxation activities for individuals of all ability levels. Students learn to modify flexibility and relaxation activities to meet their individual needs, including static, dynamic, and assisted stretches, using props, warming up properly, safety precautions, and simple mindfulness techniques. Emphasis is placed on safe participation, personal goal setting, and developing a flexibility and relaxation plan for home and community use. Activities and instruction are adapted to support each student's abilities, reflect diverse cultural perspectives, and promote lifelong wellness.

ADMINISTRATION OF JUSTICE

Certificate of Completion: Crime and Intelligence Analysis

The Crime & Intelligence Analysis Certificate (CIAC) program at College of the Canyons will provide practical instruction in crime analysis, criminal investigative analysis, organized crime intelligence analysis, law enforcement research, and statistical methods. The included courses will focus on (1) the analysis of the Part I and Part II crime trends most commonly encountered by patrol officers and investigators such as murder, aggravated assault, rape, robbery, burglary, and theft, and (2) crimes investigated by intelligence officers such as criminal networks, organized crime groups, narcotics, gangs, smuggling, trafficking, pirated goods, money laundering, and other illicit rings.

The CIAC program is designed with the community and future in mind. Incorporating social justice concerns and utilizing evidence-based theories, this program directly correlates to the current push for implicit bias training in the criminal justice field. Crime analysis is one of the

fastest growing sectors of law enforcement in the world, and investigative profiling is the only empirically based investigative method accepted internationally. Combined, these two fields represent the future of the criminal justice system.

Upon completion of the Certificate in Crime & Intelligence Analysis program, graduates will receive a Certificate from College of the Canyons and be better prepared for entry level positions as crime and/or intelligence analysts.

Certificate Student Learning Outcome:
Students will be able to demonstrate the skills and knowledge needed for entry level positions as crime and/or intelligence analysts.

Program Requirements:

Units Required: 0

		Units:
NC.CIAC-101	Introduction to Crime And Intelligence Analysis	0.0
NC.CIAC-102	Intelligence Analysis	0.0
NC.CIAC-103	Computer Application for Crime and Intelligence Analysis	0.0
NC.CIAC-104	Financial Analysis	0.0
NC.CIAC-105	Dark Web and Social Media for Crime Analysis	0.0
NC.CIAC-106	Crime Mapping and Spatial Analysis	0.0
NC.CIAC-107	Law Enforcement Research and Statistical Methods	0.0
NC.CIAC-108	Criminal Behavior and Empirical Profiling	0.0
NC.CIAC-109	CIAC Capstone: Analyst Final Reporting and Presentation	0.0
NC.CIAC-110	CIAC Capstone: Exam Presentation	0.0

Certificate of Completion: Police Defensive Tactics and Arrest & Control

Provides basic competencies in arrest and control techniques and knowledge regarding Use of Force (UoF) laws and policies.

Certificate Student Learning Outcome:
Students will be able to demonstrate the basic skill sets necessary to overcome resistance and effect an arrest of an aggressive and/or combative suspect.

Program Requirements:

Units Required: 0

		Units:
NC.ARCN-001	Police Defensive Tactics and Arrest & Control I	0.0
NC.ARCN-002	Police Defensive Tactics and Arrest & Control II	0.0

Certificate of Completion: Written Exam and Interview Workshop for Public Safety Entry & Promotion

Prepare for success in the public safety interviewing process. Program focuses on common written exams and oral interviewing skills for both entry-level and promotional processes.

Certificate Student Learning Outcome:

Students will be able to utilize strategies to be successful in the written and oral interview stages for both entry level and promotional public safety positions.

Program Requirements:

Units Required: 0

		Units:
NC.ADMJ-199A	Written Exam Workshop for Public Safety Entry Level & Promotion	0.0
NC.ADMJ-199B	Interview Workshop for Public Safety Entry Level & Promotion	0.0

NC.ADMJ-199A WRITTEN EXAM WORKSHOP FOR PUBLIC SAFETY ENTRY LEVEL & PROMOTION

4.00 – 6.00 hours

Prepares individuals for law enforcement and public safety written exams by focusing on time management, overcoming distractions, and applying effective test-taking strategies. Completion of this course does not guarantee a passing score on any public safety or law enforcement examination.

NC.ADMJ-199B INTERVIEW WORKSHOP FOR PUBLIC SAFETY ENTRY LEVEL & PROMOTION

4.00 – 6.00 hours

Prepares individuals for law enforcement and public safety oral interviews by focusing on professional appearance, communication skills, and structured response strategies. Completion of this workshop does not guarantee employment or advancement in law enforcement or public safety positions.

NC.ARCN-001 POLICE DEFENSIVE TACTICS AND ARREST & CONTROL I

8.00 hours

Provides basic competencies in arrest and control techniques and knowledge regarding Use of Force (UoF) laws and policies. Learn to assess and respond effectively to threats while ensuring the safety of peace officers and the public, with an emphasis on ethical decision-making, situational awareness, and proper response to potential hazards. This foundational course explores legal standards, UoF policies, and the philosophies guiding law enforcement application of force, preparing students for real-world scenarios. This course is the first in a two-course sequence.

Continued on the next page.

NC.ARCN-002 POLICE DEFENSIVE TACTICS AND ARREST & CONTROL II

56.00 hours

Provides basic competencies in arrest and control techniques and knowledge regarding Use of Force (UoF) laws and policies. Learn to assess and respond effectively to threats while ensuring the safety of peace officers and the public, with an emphasis on ethical decision-making, situational awareness, and proper response to potential hazards. This foundational course explores legal standards, UoF policies, and the philosophies guiding law enforcement application of force, preparing students for real-world scenarios. This course is the second course in a two-course sequence.

NC.CIAC-101 INTRODUCTION TO CRIME AND INTELLIGENCE ANALYSIS

8.00 hours

Introduces the fundamentals of crime and intelligence analysis, with an emphasis on the growing career opportunities within law enforcement and police operations.

NC.CIAC-102 INTELLIGENCE ANALYSIS

24.00 hours

Identify techniques used in analyzing criminal activities. An emphasis will be placed on identifying and differentiating between crime patterns, series, and trends, then using the data to locate, evaluate, and forecast future crime trends.

NC.CIAC-103 COMPUTER APPLICATIONS FOR CRIME AND INTELLIGENCE ANALYSIS

32.00 hours

Utilizing common software, recognize how to analyze large amounts of data, identify patterns, and draw conclusions relating to crime, telephone, and financial records. An emphasis will be placed on Excel functions including pivot tables, conditional formatting, concatenation and parsing, charts and graphs, and V-Lookup. Creating Presentation using current industry standard software to create association charts will also be covered.

NC.CIAC-104 FINANCIAL ANALYSIS

20.00 hours

Introduces the acquisition, examination, and analysis of financial records, identification of fraud, and recognition of money laundering activities. Managing, classifying, and analyzing large data sets to identify financial evidence will also be covered.

NC.CIAC-105 DARK WEB AND SOCIAL MEDIA FOR CRIME ANALYSIS

28.00 hours

Introduces various tools for discovering information about people online. An emphasis will be placed on the Dark Web, social media, and other online sites for crime analysis.

NC.CIAC-106 CRIME MAPPING AND SPATIAL ANALYSIS

16.00 hours

Introduces the day-to-day work of a crime analyst by introducing Geographic Information Systems (GIS). Addresses how maps and spatial analysis are used. Software that is standard in the industry will also be covered.

NC.CIAC-107 LAW ENFORCEMENT RESEARCH AND STATISTICAL METHODS

32.00 hours

Introduces the basic research and statistical procedures used in crime analysis including becoming familiar with the concepts involved in research design, content analysis, sampling, survey techniques, and statistical methods. Learn how to conduct research and author conclusions using commonly accepted research standards.

NC.CIAC-108 CRIMINAL BEHAVIOR AND EMPIRICAL PROFILING

32.00 hours

Examines issues relating to the development and evaluation of offender profiling as an applied method for use in police investigations. Outlines the main psychological principles of offender profiling including classification of criminal behavior and behavioral change and consistency. An emphasis will be placed on classifying crime scene behaviors, linking behavioral types to offender characteristics, and linking serial offenses.

NC.CIAC-109 CIAC CAPSTONE: ANALYST FINAL REPORTING AND PRESENTATION

16.00 hours

Develops crime and intelligence skills learned throughout the program to prepare a presentation of a final analysis product.

NC.CIAC-110 CIAC CAPSTONE: EXAM PREPARATION

16.00 hours

Introduces the International Association of Crime Analysts (IACA), Law Enforcement Analysis Foundation (LEAF) examination, and prepares for a successful outcome for certification as an analyst under IACA.



ARCHITECTURE & INTERIOR DESIGN

Certificate of Completion: Model Making for Architecture and Interior Design

Introduction to current practices in physical model making for Architecture and Interior Design.

Certificate Student Learning Outcome:
Students will be able to utilize industry recognized means and methods of physical model making to create architecture and/or interior design portfolio content.

Program Requirements:
Units Required: 0

		Units:
NC.ARCH-050	Introduction to Model Making	0.0
	OR	
NC.ID-050	Introduction to Model Making	0.0
	AND	
NC.ARCH-096	Architecture and Interior Design Lab	0.0
	OR	
NC.ID-096	Architecture and Interior Design Lab	0.0

NC.ARCH-050 INTRODUCTION TO MODEL MAKING

4.00 – 8.00 hours

Introduction to physical model making technology, terminology, capabilities and limitations including the use of 3D printing and laser cutting as tools for exploring foundational problem solving skills. Same as NC.ID-050.

NC.ARCH-096 ARCHITECTURE AND INTERIOR DESIGN LAB

36.00 – 56.00 hours

Prerequisite: NC.ARCH-050

Provides a hands-on opportunity for students to learn and use model making tools and techniques to create their own architectural and interior design models and other projects. Students will have access to a variety of tools, including 3D printers, laser cutters, and other specialized equipment. Same as NC.ID-096.

NC.ID 050-INTRODUCTION TO MODEL MAKING

4.00 – 8.00 hours

Introduction to physical model making technology, terminology, capabilities and limitations including the use of 3D printing and laser cutting as tools for exploring foundational problem solving skills. Same as NC.ARCH-050.

NC.ID 096-ARCHITECTURE AND INTERIOR DESIGN LAB

36.00 – 56.00 hours

Prerequisite: NC.ID-050

Provides a hands-on opportunity for students to learn and use model making tools and techniques to create their own architectural and interior design models and other projects. Students will have access to a variety of tools, including 3D printers, laser cutters, and other specialized equipment. Same as NC.ARCH-096.

ART

Certificate of Completion: Fundamental Skills for Commercial Artists

Offers fundamental rendering skills required for students seeking employment in the creative arts economy of Southern California, and job training/refresher skills for professionals already working in the field.

Certificate Student Learning Outcome:
Students will be able to apply fundamental drawing techniques to anatomical renderings in a variety of artistic modalities.

Program Requirements:
Units Required: 0

		Units
NC.ART-110	Fundamentals of Drawing for Commercial Artists	0.0
NC.ART-200	Anatomy for Commercial Artists	0.0

NC.ART-110 FUNDAMENTALS OF DRAWING FOR COMMERCIAL ARTISTS

24.00 – 36.00 hours

Introduces drawing for current or future commercial artists such as animators, character designers and storyboard artists emphasizing basic techniques utilizing a variety of media and compositional and pictorial fundamentals.

NC.ART-200 ANATOMY FOR COMMERCIAL ARTISTS

24.00 – 40.00 hours

Provides essential training in life drawing for current or future commercial artists such as animators, character designers and storyboard artists through observational renderings of the live model.

Continued on the next page.

BUSINESS

Certificate of Completion: Entrepreneurship

Designed to prepare students with the management skills unique to the successful operation of a small business enterprise, including financial, marketing, and management strategies.

Certificate Student Learning Outcomes:
Students will be able to:

— Learn techniques for business plan development and creation.

— Utilize skills and resources available to assist entrepreneurs in developing and launching a business including ethics, legal business structures, entrepreneurial marketing, sources of funding, networking, and pitching.

Program Requirements:
Units Required: 0

Required Courses:

		Units:
NC.BUS-117A	Introduction to Entrepreneurship	0.0
NC.BUS-117B	Developing a Business Plan for Entrepreneurs	0.0

Certificate of Completion: Gateway Human Resources Assistant

Introduce learners to the field of human resources. Prepare participants with a solid foundation of the human resources functions, basic knowledge of relevant employment laws, and the ability to perform basic human resources activities that are an essential part of the employment life cycle. The Gateway Human Resources Assistant certificate consists of three short-term courses and is designed for those interested in gaining knowledge and skills for employment into an entry-level position in human resources.

Certificate Student Learning Outcome:
Students will be able to describe the human resources functions and fundamental employment laws, and demonstrate the ability to perform foundational activities.

Program Requirements:
Units Required: 0

		Units
NC.BUS-1A	Foundations of Human Resources Management	0.0
NC.BUS-1B	Employment Law Fundamentals	0.0
NC.BUS-1C	Human Resources Management Support Activities	0.0

Certificate of Completion: Human Resources Professionals

Examines the human resources professional's role as a strategic partner for an organization. Provides a more advanced employment law review and update and explores human resources strategies to optimize their organization to achieve a competitive advantage. The Human Resources Professionals certificate consists of two short-term courses and is designed for those individuals interested in stepping into a higher-level strategic human resources position.

Certificate Student Learning Outcome:
Students will be able to:
- Demonstrate knowledge of relevant federal and state employment laws and address how these laws and recent updates apply to employers and employees in the workplace.
- Select and apply appropriate human resources strategies to optimize their organization to achieve a competitive advantage.

Program Requirements:
Units Required: 0

		Units
NC.BUS-3A	Legal Review and Update for Human Resources Management Professionals	0.0
NC.BUS-3B	Strategic Human Resources Management	0.0

Certificate of Completion: Project Management for Non-Project Managers

Designed to prepare a student with a basic skillset on how to manage goals, objectives, develop work tasks, summary tasks, resource tasks, and milestones, while working with a team to complete a project plan.

Certificate Student Learning Outcome:
Students will be able to create a project plan utilizing Microsoft Office Project Software to facilitate project goals.

Program Requirements:
Units Required: 0

		Units
NC.BUS-10A	Introduction to Project Management	0.0
NC.BUS-10B	Microsoft Project Basics	0.0

Certificate of Completion: Supervisor's Roadmap

Examines the critical role of supervisors, managers, and leaders within the context of human resources management across various industries. Provides business leaders with a more in-depth employment law review and the strategies and tools to navigate the work environment to more effectively hire, manage, motivate, and retain talent. The Supervisor's Roadmap certificate consists of two short-term courses and is designed for

those interested in moving into a supervisor role or for individuals wanting to step into a leadership role with additional employee oversight responsibilities.

Certificate Student Learning Outcome:
Students will be able to:

— Demonstrate knowledge of employment laws as it pertains to the employment life cycle from a supervisor and business leader's perspective.
— Apply strategies and tools to more effectively hire, manage, motivate, and retain talent.

Program Requirements:
Units Required: 0

		Units
NC.BUS-2A	Supervisor's Role in Workplace Compliance	0.0
NC.BUS-2B	People Management	0.0

NC.BUS-10A INTRODUCTION TO PROJECT MANAGEMENT

28.00 – 32.00 hours

Explores the fundamentals of project management in business. Students will define project goals and objectives and build a project plan to manage human and fiscal resources, meet deadlines and close the project for customer acceptance.

NC.BUS-10B MICROSOFT PROJECT BASICS

28.00 – 32.00 hours

Explores Microsoft Project for basic project management skills such as: work tasks, summary tasks, milestones, recurring tasks, and resources.

NC.BUS-117A INTRODUCTION TO ENTREPRENEURSHIP

45.00 – 60.00 hours

Develops an understanding of the tasks faced by individuals engaged in ethical and legal entrepreneurial activities. Identifies the methods for developing a business idea, the process of starting a business, how to acquire resources, and how to analyze key parts of a business plan. This course may be taken for a letter grade.

NC.BUS-117B DEVELOPING A BUSINESS PLAN FOR ENTREPRENEURS

45.00 – 60.00 hours

Presents techniques for business plan development and creation. Utilizes skills and resources available to assist entrepreneurs in developing and launching a business including; ethics, legal business structures, entrepreneurial marketing, sources of funding, networking, and pitching. This course may be taken for a letter grade.

CAREER SKILLS

Certificate of Completion: Workplace Essentials

Earners of this certificate have demonstrated effective and professional business writing skills using appropriate business tone, organization, formatting, word choice and persuasion. They have learned the art of matching the delivery channel (email, letter, memo or text) to the message type and situations. Earners have gained a deeper understanding of time management tools, critical thinking techniques, and problem solving strategies.

Certificate Student Learning Outcome:
Students will be able to apply effective strategies in time and workload management, business writing, and analytical thinking techniques.

Program Requirements:
Units Required: 0

		Units
NC.CSKL-001	Time Management	0.0
NC.CSKL-002	Business Writing in the Technology Age	0.0
NC.CSKL-003	Critical Thinking, Problem Solving, and Decision Making	0.0

Certificate of Completion: Customer Relations

Earners of this certificate have developed a deep understanding of communication skills and how they relate to quality customer service. Additionally, earners understand different personality styles and how to adapt to each. They are able to provide strategic customer service recommendations based on their classroom experience as well as demonstrate collaborative problem solving.

Certificate Student Learning Outcome:
Students will be able to evaluate effective strategies in customer relations through creative problem solving, collaborative negotiation process tools, and effective communication for a variety of personality styles.

Program Requirements:
Units Required: 0

		Units
NC.CSKL-004	Customer Service	0.0
NC.CSKL-005	Negotiation	0.0
NC.CSKL-006	Personality Styles	0.0

Certificate of Completion: Management Tool Box

Earners of this certificate have demonstrated an understanding of delegation, communication, time management and motivation techniques and skills needed for a successful manager.

Certificate Student Learning Outcome:
Students will be able to distinguish effective management skills through techniques in communication, delegation, and motivational skills.

Program Requirements:
Units Required: 0

		Units
NC.CSKL-007	Successfully Managing and Developing People	0.0
NC.CSKL-008	Work Place Communication Strategies	0.0

Certificate of Completion: Career Strategist

The Career Strategist Certificate trains students to develop the skills needed to gain an accurate understanding of their strengths, interests, abilities and work values. Students also develop the skills to combine personal characteristics with career information to improve their skills at seeking, obtaining, maintaining and changing jobs. Each related course is designed and taught by a career counselor to improve the career development competencies required for strategic career decision making.

Certificate Student Learning Outcome:
Students will be able to apply an effective career strategy through implementation of personalized career planning techniques, assessment of occupational information, social media networking, and relationship marketing.

Program Requirements:
Units Required: 0

		Units
NC.CSKL-009	Personalized Career Planning	0.0
NC.CSKL-010	Strategic Job Search	0.0
NC.CSKL-011	LinkedIn for Business	0.0

Certificate of Completion: Career and Lifestyle Exploration

The Career and Lifestyle Exploration Certificate allows students to assess and understand their strengths, interests, abilities and work values. Students will use this knowledge to explore a career of interest through a job shadowing experience and interview. Each related course is designed and taught by a career counselor to improve the career development competencies required for strategic career exploration.

Certificate Student Learning Outcome:
Students will be able to utilize the results of a career planning assessment and identify the work duties, skills needed, and advantages and disadvantages of a specific career of interest.

Program Requirements:
Units Required: 0

		Units
NC.CGSL-004	Career Exploration	0.0
NC.CSKL-012	Job Shadowing	0.0

Certificate of Completion: Emerging Leaders

Examine different leadership styles, strategies for becoming an effective leader, and the impact leadership can have on organizational effectiveness. Emphasis will be placed on attributes of successful leaders, leadership communication skills, and techniques for planning and organizing in today's changing workplace.

Certificate Student Learning Outcome:
Students will be able to identify strategies and create a plan for becoming an effective leader in a variety of professional settings.

Program Requirements:
Units Required: 0

		Units
NC.CSKL-022	Emerging Leaders	0.0
NC.CSKL-023	Organizational Leadership	0.0

Certificate of Completion: Essential Workforce Skills for Health Professions

Provides training to ensure the delivery of high-quality care in the health professions. An emphasis will be placed on implicit bias and how it affects daily life in various settings, communication strategies, workplace ethics and professionalism, managing stress, health profession employability skills, and self-reflection for lifelong learning and growth.

Certificate Student Learning Outcome:
Students will be able to utilize employability skills needed for individuals working in health professions.

Program Requirements:
Units Required: 0

		Units:
NC.CSKL-024	Implicit Bias Training	0.0
NC.HLTH-011	Health Professions Workforce Skills	0.0

Certificate of Completion: Fundamentals of Communication

Earners of this certificate have demonstrated the fundamental principles of workplace communication, including effective listening, rapport building, and persuasive communication strategies for leadership. They have also identified and utilized technological tools to build a professional online presence and collaborate with others online and in person. Earners have gained a deeper understanding of navigating workplace communication challenges to create more positive outcomes.

Certificate Student Learning Outcome:
Students will be able to apply effective techniques for building an online presence and navigating workplace communication challenges in person and online.

Program Requirements:
Units Required: 0

		Units
NC.CSKL-008	Workplace Communication Strategies	0.0
NC.CSKL-014	Public Speaking in the Workplace	0.0
NC.CSKL-016	Digital Fluency	0.0

Certificate of Completion: Mindful Co-worker

Earners of this certificate have demonstrated empathetic strategies and good listening skills to build strong connections with customers, clients, and co-workers from diverse backgrounds and differing points of view. They have also identified and applied strategies for becoming more adaptable and managing stress in the modern workplace. Earners have gained a deeper understanding of the distinct advantages to having diversity in the workplace.

Certificate Student Learning Outcome:
Students will be able to apply effective strategies for becoming more adaptable, increasing empathy, and identifying the distinct advantages to having diversity in the workplace.

Program Requirements:
Units Required: 0

		Units
NC.CSKL-015	Adaptability	0.0
NC.CSKL-017	Empathy	0.0
NC.CSKL-021	Social-Diversity Awareness	0.0

Certificate of Completion: Navigating Mental Health Issues in the Workplace

Earners of this certificate have identified and demonstrated the appropriate Mental Health First Aid action plan for individuals who may be experiencing a mental health problem and crisis including connecting individuals to professional resources. They have also demonstrated empathetic strategies and good listening skills to build strong connections with customers, clients, and co-workers from diverse backgrounds and differing points of view. Earners have gained a deeper understanding of the importance of empathy, good listening skills, and appropriately navigating mental health issues in the workplace.

Certificate Student Learning Outcome:
Students will be able to identify and demonstrate empathetic strategies, good listening skills, and the appropriate Mental Health First Aid action plan for individuals who may be experiencing a mental health problem or crisis.

Program Requirements:
Units Required: 0

		Units
NC.CSKL-013	Mental Health First Aid in the Workplace	0.0
NC.CSKL-017	Empathy	0.0

Certificate of Completion: Survive and Thrive in the Workplace

The Survive and Thrive in the Workplace Certificate trains students to develop the skills needed to embrace failure, reflect on mistakes, and take corrective action to remain competitive in the modern workplace. Students also develop the skills needed to embrace an entrepreneurial mindset and apply leadership skills to manage projects, propose ideas, and create value for an organization.

Certificate Student Learning Outcome:
Students will be able to apply effective strategies for embracing more of an entrepreneurial mindset and increasing self-awareness and resilience in the workplace.

Program Requirements:
Units Required: 0

		Units
NC.CSKL-018	Entrepreneurial Mindset	0.0
NC.CSKL-019	Resilience	0.0
NC.CSKL-020	Self-Awareness	0.0

Certificate of Completion: 21st Century Career Skills

Provides training in the following career skills, also known as “soft skills”: Adaptability, Self-awareness, Digital Fluency, Communication, Collaboration, Empathy, Analysis/Solution Mindset, Resilience, Entrepreneurial Mindset, and Social/Diversity Awareness.

Certificate Student Learning Outcome:
Students will be able to evaluate strategies to improve the following career skills: Adaptability, Self-awareness, Digital Fluency, Communication, and Collaboration to employability/promotion in the workforce, Empathy, Analysis/Solution Mindset, Resilience, Entrepreneurial Mindset, and Social/Diversity Awareness to improve employability/promotion.

Program Requirements:
Units Required: 0

		Units
NC.CSKL-101	21st Century Career Skills I	0.0
NC.CSKL-102	21st Century Career Skills II	0.0

NC.CSKL-001 TIME MANAGEMENT

5.00 – 8.00 hours

Explores time management strategies and tools for effectively managing expanding workloads, shifting priorities, and increasing demands. Practice prioritizing “important” versus “urgent” activities. An emphasis will be placed on analyzing current use of time, identifying organizational goals, roles and priorities, discovering barriers to achieving goals and applying time management tools to overcome barriers.

Continued on the next page.

NC.CSKL-002 BUSINESS WRITING IN THE TECHNOLOGY AGE
5.00 – 8.00 hours

Develops effective and professional business writing skills for electronic and hard-copy communication using appropriate business tone, organization and formatting, word choice, and strategies to persuade.

NC.CSKL-003 CRITICAL THINKING (PROBLEM SOLVING AND DECISION MAKING)
5.00 – 8.00 hours

Develops analytical-thinking, decision-making, and problem-solving techniques. Apply judgment and insight to break problems into component parts and apply deductive reasoning.

NC.CSKL-004 CUSTOMER SERVICE
8.00 – 24.00 hours

Applies practical customer service strategies to build and retain a valuable customer base, defuse difficult situations, and earn repeat business. Learn techniques to build rapport, exceed customer expectations, use creative problem-solving, and measure success.

NC.CSKL-005 NEGOTIATION
5.00 – 8.00 hours

Applies collaboration tools for building high-trust synergistic relationships. Analyze the conflict cycle and practice skills to diffuse conflict at each stage for mutual benefit. Assess one's strengths and utilize tools to facilitate and adapt to others' styles. Skills include re-framing, neutralizing language, discovering interests, and leveraging innovative solutions through a collaborative negotiation process.

NC.CSKL-006 PERSONALITY STYLES
5.00 – 8.00 hours

Explores participants' own behaviors and personality styles, while learning to adapt one’s behavior to be effective with other personality styles in a variety of work situations. Learn how to apply different communication strategies based on personality styles to enhance workplace relationships.



NC.CSKL-007 SUCCESSFULLY MANAGING AND DEVELOPING PEOPLE
5.00 – 8.00 hours

Learn and apply the communication, delegation, and motivational skills needed to be an effective manager or supervisor.

NC.CSKL-008 WORKPLACE COMMUNICATION STRATEGIES
5.00 – 8.00 hours

Assess and optimize current workplace communication skills. Differentiate content, emotions, perceptions and intentions in a communication exchange. Build an advanced communication toolkit to forward your career. Illustrate clear and congruent verbal and nonverbal messages tailored to the personalities involved, the desired outcomes, and the context.

NC.CSKL-009 PERSONALIZED CAREER PLANNING
5.00 – 8.00 hours

Examines the assessment of individuals strengths, interests, values, personality and abilities in the context of career and education planning. Students will improve decision making skills by exploring their own decision making styles and applying specific decision making models to their career planning process.

NC.CSK -010 STRATEGIC JOB SEARCH
5.00 – 8.00 hours

Introduces sources of occupational information and how to utilize this information in the career planning and job search process.

NC.CSKL-011 LINKEDIN FOR BUSINESS
5.00 – 8.00 hours

Assess the LinkedIn platform to build a professional brand, optimize the LinkedIn platform, and develop a business through relationship networking.

NC.CSKL-012 JOB SHADOWING
5.00 – 16.00 hours

Introduces students to exploring a specific career of interest by observing an employee perform their work duties at their place of employment. Provides realistic career information that can be used to further aid career evaluation.

NC.CSKL-013 MENTAL HEALTH FIRST AID FOR ADULTS AND YOUTH
8.00 – 12.00 hours

Examines risk factors and warning signs of mental health problems and how to respond appropriately. Emphasis on mental health problems and crises for all individuals and environments with additional information on support and resources in the work environment Upon successful completion of this course, students will receive a NCBH Mental Health First Aid Certificate.

NC.CSKL-014 PUBLIC SPEAKING IN THE WORKPLACE

5.00 – 16.00 hours

Develops the skills and confidence needed to prepare and deliver clear, professional presentations in the workplace. Topics include speech organization, delivery techniques, audience analysis, and managing speaking anxiety. Emphasis will be placed on speech preparation, techniques for public speaking, and common presentations in the workplace.

NC.CSKL-015 ADAPTABILITY

5.00 – 8.00 hours

Explores strategies for becoming more adaptable and managing stress in the modern workplace. Emphasis is placed on technological and social changes in the modern workplace.

NC.CSKL-016 DIGITAL FLUENCY

5.00 – 8.00 hours

Examines the technological tools needed to build a professional online presence.

NC.CSKL-017 EMPATHY

5.00 – 8.00 hours

Examines the importance of empathy in trusted relationships and successful collaborations. Emphasis is placed on developing empathy, building strong connections, and utilizing good listening skills to fully understand the needs of customers, clients, and co-workers.

NC.CSKL-018 ENTREPRENEURIAL MINDSET

5.00 – 8.00 hours

Explores techniques for developing an entrepreneurial mindset and building new skills to differentiate oneself in the modern workforce marketplace. Emphasis is placed on developing the skills needed to manage projects, propose ideas, and create value for an organization.

NC.CSKL-019 RESILIENCE

5.00 – 8.00 hours

Examines skills needed to have a healthy relationship with failure and remain competitive in the modern workplace. Emphasis is placed on embracing momentary failure, taking time for reflection and corrective action, and exploring techniques to learn from setbacks and continue to move forward.

NC.CSKL-020 SELF-AWARENESS

5.00 – 8.00 hours

Explores the link between personality and the preferred work environment. Build self-awareness by interpreting and applying personality results to educational, personal, and career goals.

NC.CSKL-021 WORKPLACE DIVERSITY AWARENESS

5.00 – 8.00 hours

Explores diversity in the workplace including gender, sexual orientation, ethnicity, age, disability, and how they contribute to the modern workplace.

NC.CSKL-022 EMERGING LEADERS

5.00 – 8.00 hours

Explores different leadership styles and strategies for becoming an effective leader. Emphasis will be placed on self-awareness, identifying strengths, and creating a plan to become an effective leader in the modern workforce.

NC.CSKL-023 ORGANIZATIONAL LEADERSHIP

8.00 – 12.00 hours

Analyzes the impact of leadership on organizational effectiveness. Emphasis will be placed on attributes of successful leaders, including interpersonal skills, attitudes, and behaviors, which can facilitate effective leadership within different types of organizations. Designed to provide leadership communication skills and techniques for planning and organizing in today's changing workplace.

NC.CSKL-024 IMPLICIT BIAS TRAINING

5.00 – 8.00 hours

Explores what constitutes implicit bias and how it affects daily life in various settings, including the workplace. Includes self-reflection and identifying strategies to counter implicit bias.

NC.CSKL-101 21ST CENTURY CAREER SKILLS I

10.00 – 16.00 hours

Provides training in the following career skills, also known as "soft skills": adaptability, self-awareness, digital fluency, communication, and collaboration.

NC.CSKL-102 21ST CENTURY CAREER SKILLS II

10.00 – 16.00 hours

Provides training in the following career skills, also known as "soft skills": empathy, analysis/solution mindset, resilience, entrepreneurial mindset, and social/diversity awareness.

COLLEGE SKILLS

Certificate of Competency: College Success Toolkit

Provides resources and strategies to succeed in college as a new or returning student. Topics covered will include academic expectations, financial aid options and budgeting, academic and career educational options, College of the Canyons resources, goal setting, and online learning.

Certificate Student Learning Outcome:
Students will be able to utilize resources and strategies needed to succeed in college as a new or returning student.

Program Requirements:
Units Required: 0

		Units
NC.CGSL-001	Resources and Strategies for College Success	0.0
NC.CGSL-002	Online Learning and Strategies for Success	0.0
NC.CGSL-003	Money Management for College and Beyond	0.0

NC.CGSL-001 RESOURCES AND STRATEGIES FOR COLLEGE SUCCESS

8.00 – 18.00 hours

Introduces the skills necessary to succeed in credit courses. Topics covered will include academic expectations, financial aid options, California (CA) Residency status, academic and career educational options, COC resources and goal setting.

NC.CGSL-002 ONLINE LEARNING AND STRATEGIES FOR SUCCESS

8.00 – 18.00 hours

Introduces practical strategies and skills necessary to succeed in distance education. Students will learn how to anticipate, avoid, and/or solve typical problems encountered in the distance learning environments.

NC.CGSL-003 MONEY MANAGEMENT FOR COLLEGE AND BEYOND

5.00 – 18.00 hours

Continues exploring the fundamentals of drawing from ART-125A and emphasizes studying human skeletal/ muscular structure and the posed model.

NC.CGSL-004 CAREER EXPLORATION

8.00 – 18.00 hours

Provides students with career exploration techniques. Emphasis is placed on selecting a career based on self-examination of interests, values, abilities, and personality through assessment inventories, skill exercises, and career research.

COLLEGE SUCCESS SKILLS (BASIC SKILLS)

Certificate of Completion: General Education Development Preparation

This certificate prepares students to take the General Education Development exam.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in reading, writing, science, social studies, mathematics, and the test taking strategies required to meet the GED requirements.

Program Requirements:
Units Required: 0

		Units
NC.BCSK-050	Test Taking Skills	0.0
NC.BCSK-100	GED Preparation	0.0
	OR	
NC.BCSK-110	GED Preparation – Math/Science	0.0
	AND	
NC.BCSK-120	GED Preparation – Language Arts/ Social Studies	0.0

Certificate of Competency: Library and Internet Research Skills

Provides students with a foundation in library and internet research skills, strategies, and the critical evaluation of information. Topics covered will include how to use the library's resources, researching effectively using web tools on the internet, and producing and consuming information responsibly.

Certificate Student Learning Outcomes:
Students will be able to:

- Apply research methodologies to identify, evaluate, and disseminate library and internet sources.
- Produce and consume information responsibly.

Program Requirements:
Units Required: 0

		Units:
NC.BCSK-001	College Research Skills	0.0
NC.BCSK-002	Internet Research Strategies	0.0

Certificate of Competency: Generative AI for Academic and Career Success

Provides students with a foundation on how to ethically leverage Generative Artificial Intelligence (GAI) tools for academic success. Students will use specific GAI tools for studying and research, learn how to evaluate GAI, as well as use proper attribution.

Certificate Student Learning Outcomes:
Students will be able to apply generative artificial intelligence (GAI) strategies for studying and research while sustaining consumption and creation habits that promote information ethics when using GAI.

Program Requirements:
Units Required: 0

		Units:
NC.BCSK-003	AI: Research and Study Tools	0.0
NC.BCSK-004	AI: Critical Evaluation Skills	0.0

NC.BCSK-001 COLLEGE RESEARCH SKILLS

8.00 – 12.00 hours

Utilize research methodologies to identify, evaluate, and generate relevant and credible library sources.

NC.BCSK-002 INTERNET RESEARCH SKILLS

8.00 – 12.00 hours

Utilize the Internet as a tool for research, develop search strategies using web tools, critically evaluate information, and produce and consume information responsibly

NC.BCSK-003 AI: RESEARCH AND STUDY TOOLS

8.00 – 12.00 hours

Explore Generative Artificial Intelligence (GAI) as a tangible tool and application with an emphasis on revolutionizing studying and research skills across various disciplines.

NC.BCSK-004 AI: CRITICAL EVALUATION SKILLS

8.00 – 12.00 hours

Explores ethical considerations and practical strategies for evaluating AI-generated content, recognizing biases, navigating privacy and copyright issues, and developing responsible use habits that promote transparency and accountability.

NC.BCSK-050 TEST TAKING SKILLS

16.00 – 20.00 hours

Addresses the skills necessary to become a successful test-taker, including test anxiety, test types, study tips, time management, and academic integrity. This course may be offered open entry/open exit.

NC.BCSK-100 GED PREPARATION

20.00 – 160.00 hours

Prepare students to pass the four sections of the General Educational Development test: Reasoning through Language Arts, Science, Social Studies and Mathematical Reasoning. Students require basic computer literacy to utilize GED tutorial software and take tests. This course may be offered open entry/open exit.

NC.BCSK-110 GED PREPARATION – MATH/ SCIENCE

40.00 – 80.00 hours

Designed to prepare students to pass the Mathematical Reasoning and Science subtests of the GED exam. Students need computer literacy and basic numeracy skills. The noncredit math classes are highly recommended prior, or in addition, to this class.

NC.BCSK-120 GED PREPARATION – LANGUAGE ARTS/SOCIAL STUDIES

40.00 – 80.00 hours

Designed to prepare students to pass the Reasoning Through Language Arts and Social Studies subtests of the GED exam. Students need computer literacy and basic English writing skills. Noncredit English classes may be encouraged prior, or in addition, to this class to work on improving writing skills.

NC.TUTR-094 SUPERVISED TUTORING

1.00 – 300.00 hours

Co-requisite: Enrollment as a COC student and referral of instructor/counselor

Provides individualized and group activities designed to support student success in the classroom setting. Includes one-on-one tutoring, study skills and discipline-specific workshops, and tutorials that include activities to support student learning. This course may be offered open entry/open exit.

COMMUNICATIONS STUDIES

Certificate of Completion: Fundamentals of Public Communication

Examines the skills needed to both organize and deliver effective workplace presentations and identity and write essential Public Relations plans and press kit materials to enhance workplace communication both inside and out of the organizational structure.

Certificate Student Learning Outcome:
Students will be able to create, write, and deliver effective workplace presentations, Public Relations plans, and press kit materials.

Continued on the next page.

Program Requirements:
Units Required: 0

		Units:
NC.COMM-001	Strategies and Tactics of Public Relations	0.0
NC.CSKL-014	Public Speaking in the Workplace	0.0

Certificate of Completion: Public Speaking for Interviews and the Workplace

Explores public speaking strategies for job interviews and the workplace. This certificate program emphasizes audience analysis, speech organization, effective delivery techniques, and targeted strategies to confidently navigate professional presentations and interview scenarios.

Certificate Student Learning Outcome:
Students will be able to develop effective public speaking skills for job interviews and presentations in the workplace.

Program Requirements:
Units Required: 0

		Units:
NC.COMM-003	Public Speaking for Interviews	0.0
NC.CSKL-014	Public Speaking in the Workplace	0.0

Certificate of Completion: Public Speaking for Social Media and the Workplace

Explores public speaking strategies for professional presentations and creating engaging social media content. This certificate program focuses on audience analysis, structure, delivery, and technical elements to enhance communication skills across both professional and social media platforms.

Certificate Student Learning Outcome:
Students will be able to develop effective public speaking skills for social media and presentations in the workplace.

Program Requirements:
Units Required: 0

		Units:
NC.COMM-002	Public Speaking for Social Media	0.0
NC.CSKL-014	Public Speaking in the Workplace	0.0

NC.COMM-001 STRATEGIES AND TACTICS OF PUBLIC RELATIONS

12.00 – 20.00 hours

Learn how Public Relations (PR) can be used for small businesses to large organizations. Examines components of a public relations campaign and learn how to write a PR plan and press kit that includes news releases, pitch letters, fact sheets, media alerts, and more.

NC.COMM-002 PUBLIC SPEAKING FOR SOCIAL MEDIA

8.00 - 16.00 hours

Explore public speaking strategies to create engaging social media content, focusing on audience analysis, structure, delivery, and technical elements.

NC.COMM-003 PUBLIC SPEAKING FOR INTERVIEWS

8.00 - 16.00 hours

Explore public speaking strategies for job interviews through structure and delivery

COMPUTER APPLICATIONS AND WEB TECHNOLOGIES

Certificate of Completion: Digital Office

Introduces students to basic digital office technologies utilized in today's modern workplace, including computer processes, Internet technologies, social media, word processing, spreadsheets, and communications software, such as e-mail, presentation, and information dissemination applications.

Certificate Student Learning Outcome:
Students will be able to examine, describe, and demonstrate the effective use of business computer applications as they relate to the modern office workplace.

Program Requirements:
Units Required: 0

		Units
NC.CAWT-10A	Computing and Internet Fundamentals	0.0
NC.CAWT-10B	Word Processing Basics	0.0
NC.CAWT-10C	Spreadsheet Basics	0.0
NC.CAWT-10D	Digital Communications for the Office	0.0
NC.CAWT-10E	Introduction to Access	0.0

Certificate of Completion: Digital Publishing for the Office

The Digital Publishing for the Office Certificate is designed to satisfy industry demand for workers with fundamental skills required for effective job performance in the modern office workplace. The certificate program is intended to provide office workers with training in digital publishing to meet routine demands, including creation of newsletters, flyers, brochures, magazines, calendars, etc.

Certificate Student Learning Outcome:
Students will be able to demonstrate competences required to satisfy industry demand for workers with fundamental skills required for effective job performance in desktop publishing.

Program Requirements:
Units Required: 0

		Units
NC.CAWT-011A	Exploring Adobe InDesign	0.0
NC.CAWT-011B	Creating Newsletters and Brochures with Adobe InDesign	0.0

Certificate of Completion: Essential Skills for Microsoft Windows and Keyboarding

Presents an in-depth study of the Windows graphical user interface, including file management, window manipulation, desktop customization, multitasking, data search, and troubleshooting. Also develops a mastery of the computer keyboard by touch and proficiency in producing business letters, reports, tables, memos, and other documents using Microsoft Word.

Certificate Student Learning Outcome:
Students will be able to:

- Analyze and assess key elements of the Windows Operating System, correct keyboarding techniques, and word processing skills.
- Utilize key components of the Microsoft Windows Operating System while using correct keyboarding techniques and word processing skills.

Program Requirements:
Units Required: 0

		Units:
NC.CAWT-010A	Computing and Internet Fundamentals	0.0
NC.CAWT-110	Keyboarding & Document Processing	0.0

Certificate of Completion: Keyboarding and Document Processing

Utilize proper and ergonomic touch typing for basic word processing skills such as creating, editing, and formatting documents.

Certificate Student Learning Outcome:
Students will be able to demonstrate proper keyboarding technique while creating, editing, and formatting a variety of documents.

Program Requirements:
Units Required: 0

		Units:
NC.CAWT-10B	Word Processing Basics	0.0
NC.CAWT-012A	Keyboarding (Typing)	0.0

Certificate of Completion: QuickBooks Online

Utilize QuickBooks Online to create a company for a service and product-based business. Perform all bookkeeping tasks including accounting best practices and inventory management for running and monitoring the financial health of a service-based business and multiple member S-corporation.

Certificate Student Learning Outcome:
Students will be able to Utilize the QuickBooks Online accounting platform to implement bookkeeping, accounting best practices, and inventory management for running and monitoring the financial health of a service-based business and multiple member S-corporation.

Program Requirements:
Units Required: 0

		Units:
NC.CAWT-013A	QuickBooks Online: Managing a Service Based Business	0.0
NC.CAWT-013B	QuickBooks Online: Managing a Service and Product Based Business	0.0

NC.CAWT-10A COMPUTING AND INTERNET FUNDAMENTALS

20.00 - 24.00 hours

Introduces basic computer processes, operating systems, and Internet technologies, including file management and social media.

NC.CAWT-10B WORD PROCESSING BASICS

16.00 – 20.00 hours

Introduces basic word processing skills, such as creating, editing, and formatting documents.

NC.CAWT-10C SPREADSHEET BASICS

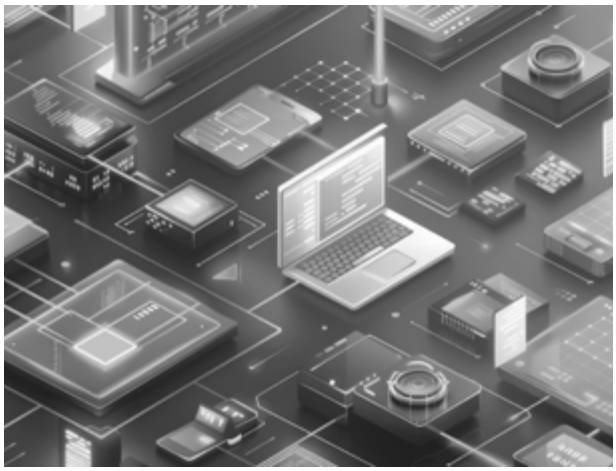
16.00 – 20.00 hours

Introduces basic spreadsheet functionality, such as creating, editing, formatting worksheets, and employing a variety of techniques for data analysis.

NC.CAWT-10D DIGITAL COMMUNICATIONS FOR THE OFFICE

24.00 – 30.00 hours

Introduces applications for communications required in the typical office setting, such as Outlook, Acrobat, and PowerPoint.



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NC.CAWT-10E INTRODUCTION TO ACCESS

20.00 – 24.00 hours

Introduces basic use of Access software, including the skills necessary to create a new database, construct data tables, design forms and reports, and create queries.

NC.CAWT-011A EXPLORING ADOBE INDESIGN

8.00 hours

Introduces basic Adobe InDesign functionality related to the task of formatting and publishing small-scale documents.

NC.CAWT-011B CREATING NEWSLETTERS AND BROCHURES WITH ADOBE INDESIGN

8.00 hours

Introduces the production of small-scale newsletter and brochure prototypes for print and digital display using Adobe InDesign.

NC.CAWT-012A KEYBOARDING (TYPING)

30.00 – 40.00 hours

Develop proper and ergonomic touch typing skills to improve typing speed, accuracy, and keyboard proficiency. The course will cover keyboard layout, techniques, and practical exercises to reinforce skills. An emphasis will also be placed on correct posture and hand positioning to minimize fatigue and reduce the risk of strain injuries.

NC.CAWT-013A QUICKBOOKS ONLINE: MANAGING A SERVICE BASED BUSINESS

10.00 – 15.00 hours

Utilize QuickBooks Online to create and manage a service-based business by applying best practices for bookkeeping and accounting. Tasks include customizing key settings, managing customers, vendors, and products, entering transactions, tracking income and expenses, handling bank deposits and feeds, reconciling accounts, and generating financial reports to monitor the financial health of the business.

NC.CAWT-013B QUICKBOOKS ONLINE: MANAGING A SERVICE AND PRODUCT BASED BUSINESS

10.00 – 15.00 hours

Utilize QuickBooks Online to create and manage a service and product based business by applying best practices for bookkeeping and accounting. Tasks include customizing key settings; managing customers, vendors, services, inventory, and sales tax; entering and categorizing transactions; using class-tracking and location-tracking of income and expenses; importing bank feeds and matching, adding, excluding, and categorizing imported bank transactions; recording and reconciling bank and credit card transactions; utilizing budgeting tools; and generating financial reports that provide a comprehensive view of the company's financial performance and enable better decision-making and financial planning.

NC.CAWT-110 KEYBOARDING & DOCUMENT PROCESSING

25.00 – 48.00 hours lecture, 40.00 – 60.00 hours lab

Develops a mastery of the computer keyboard by touch and proficiency in producing business letters, reports, tables, memos, and other documents using Microsoft Word. This course may be taken for a letter grade.

CSEC TRAINING

Certificate of Completion: Commercial Sexual Exploitation of Children (CSEC) Trainings

The Commercial Sexual Exploitation of Children (CSEC) Training Certificate allows students to develop a baseline understanding of the Commercial Sexual Exploitation of Children (CSEC) with an emphasis on awareness, identification, and the implementation of prevention and intervention strategies. Provides students with the knowledge and skills needed to identify sexually and commercially exploited youth and provide culturally and linguistically competent support to sexually and commercially exploited youth.

Certificate Student Learning Outcome:
Students will be able to identify risk factors, warning signs and the appropriate intervention strategies and resources to support youth exposed to commercial and sexual exploitation.

Program Requirements:
Units Required: 0

		Units
NC.CSEC-001	CSEC Part 1: The Commercial Sexual Exploitation of Children - Awareness and Identification Training	0.0
NC.CSEC-002	CSEC Part 2: The Commercial Sexual Exploitation of Children - Intervention and Prevention Training	0.0

NC.CSEC-001 CSEC PART 1: THE COMMERCIAL SEXUAL EXPLOITATION OF CHILDREN - AWARENESS AND IDENTIFICATION TRAINING

4.00 – 6.00 hours

Examines the commercial sexual exploitation of children (CSEC) with an emphasis on awareness and identification. Provides students with the knowledge and skills needed to identify sexually and commercially exploited youth.

NC.CSEC-002 CSEC PART 2: THE COMMERCIAL SEXUAL EXPLOITATION OF CHILDREN - INTERVENTION AND PREVENTION TRAINING

4.00 – 6.00 hours

Examines the commercial sexual exploitation of children (CSEC) with an emphasis on the implementation of early prevention and intervention strategies.

CONSTRUCTION TECHNOLOGY

Certificate of Completion: Residential Repair Technician

Explores a variety of fundamental building trade and maintenance skills. Includes safe operation of tools and equipment for plumbing, electrical, drywall, and painting techniques and repairs.

Certificate Student Learning Outcome:
Students will be able to evaluate and safely apply a variety of fundamental trade skills used in residential construction and maintenance.

Program Requirements:
Units Required: 0

		Units
NC.CONS-100A	Drywall and Painting: Basic Techniques and Repair Essentials	0.0
NC.CONS-100B	Plumbing and Electrical: Basic Techniques and Repair Essentials	0.0

Certificate of Completion: Occupational Safety Health Administration (OSHA) Construction Certification

Examines information on employee rights, employer responsibilities, and construction site hazards. Provides students required training for entry-level OSHA 10-hour and supervisor-level OSHA 30-hour Construction Industry Standard certification which includes all required topics for certification.

Certificate Student Learning Outcome:
Students will be able to demonstrate the federally mandated knowledge and skills for OSHA-10 and OSHA-30 certification.

Program Requirements:
Units Required: 0

		Units
NC.CONS-101	OSHA 10-Hour: Entry Level Construction Industry Standards	0.0
NC.CONS-102	OSHA 30-Hour: Supervisory Construction Industry Standards	0.0

NC.CONS-100A DRYWALL AND PAINTING: BASIC TECHNIQUES AND REPAIR ESSENTIALS

8.00 – 12.00 hours

Introduces the fundamental skills necessary to install, repair, and paint drywall. Includes safety, tools, and related drywall and painting techniques.

NC.CONS-100B PLUMBING AND ELECTRICAL: BASIC TECHNIQUES AND REPAIR ESSENTIALS

16.00 – 24.00 hours

Introduces the fundamental skills necessary to perform basic residential electrical and plumbing installations and repairs. Includes safety, tools, and troubleshooting related to the installation and repair of common outlets, fixtures, faucets, drains, and toilets.

NC.CONS-101 OSHA 10-HOUR: ENTRY LEVEL CONSTRUCTION INDUSTRY STANDARDS

10.00 hours – 20.00 hours

Provides students the required training for entry-level Occupational Safety Health Administration (OSHA) 10-hour Construction Industry Standard certification. Examines information on employee rights, employer responsibilities, and construction site hazards. Successful completion of this course, and a required federal processing fee, gives eligible students a 10-hour OSHA construction industry standards card.

NC.CONS-102 OSHA 30-HOUR: SUPERVISORY CONSTRUCTION INDUSTRY STANDARDS

30.00 hours – 40.00 hours

Provides students the required training for supervisor-level Occupational Safety Health Administration (OSHA) 30-hour Construction Industry Standard certification. Examines health and safety risks for a variety construction worksites. Successful completion of this course, and a required federal processing fee, gives eligible students a 30-hour OSHA Construction industry standards card.



COUNSELING

Certificate of Competency: Upgrade to Academic Success

Empowers students on probationary status with effective cognitive learning strategies, campus resources, and academic interventions to upgrade to good academic standing. Topics will include academic standing standards, goal setting, self-efficacy, growth mindset, and resilient mindset. Additional course content will cater to student need, such as financial aid options and budgeting, academic and career planning, and resources for online learning.

Certificate Student Learning Outcome:
Students will be able to analyze cognitive learning strategies, campus resources, and academic interventions that can be utilized to upgrade to good academic standing.

Program Requirements:
Units Required: 0

		Units
NC.COUN-015	Upgrade to Academic Success	0.0
	Plus one course from the following:	
NC.CGSL-001	Resources and Strategies for College Success	0.0
NC.CGSL-002	Online Learning and Strategies for Success	0.0
NC.CGSL-003	Money Management for College and Beyond	0.0
NC.CGSL-004	Career Exploration	0.0

Certificate of Completion: Transfer Preparation

Provides resources and strategies to successfully transfer to a four-year college or university. Topics covered will include minimum admission requirements, academic and selection eligibility, financial aid options and budgeting, application process, and academic and career educational options.

Certificate Student Learning Outcome:
Students will be able to examine and utilize resources and strategies needed to successfully apply to a 4-year university.

Program Requirements:
Units Required: 0

		Units:
NC.COUN-050	Introduction to CSU Transfer	0.0
	OR	
NC.COUN-060	Introduction to UC Transfer	0.0
	Plus one course from the following:	
NC.CGSL-003	Money Management for College and Beyond	0.0
NC.CGSL-004	Career Exploration	0.0

NC.COUN-015 UPGRADE TO GOOD ACADEMIC STANDING

8.00 – 18.00 hours

Designed for students who are on academic and/or progress probation, this course is intended to help students understand the different levels and types of academic standings at College of the Canyons. Students will be empowered to make the choices and changes needed to return to good standing by examining how the adoption of a self-efficacy mindset, growth mindset, and resilient mindset can positively influence their thoughts, behaviors, and thus academic outcomes.

NC.COUN-050 INTRODUCTION TO CSU TRANSFER

8.00 – 12.00 hours

Assists students in navigating the transfer process to the California State University (CSU) system. Tailored for students with CSU transfer goals, the course addresses CSU transfer credits, minimum admission standards, major preparation, general education breadth, the CSU transfer pathway, the CSU application, and the creation of a personalized transfer plan.

NC.COUN-060 INTRODUCTION TO UC TRANSFER

8.00 – 12.00 hours

Assists students in navigating the transfer process to the University of California (UC) system. Tailored for students with UC transfer goals, the course addresses UC transfer credits, minimum admission standards, major preparation, general education breadth, the UC transfer pathway, the UC application, and the creation of a personalized transfer plan.

CULINARY ARTS

Certificate of Completion: Baking Fundamentals

Introduces students to basic formulas and techniques in the bakeshop.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in basic/introductory baking techniques including application of formulas, safety, and sanitation.

Program Requirements:
Units Required: 0

		Units
NC.CUL-001	Culinary Safety and Sanitation	0.0
NC.CUL-002	Baking Fundamentals I	0.0
NC.CUL-003	Baking Fundamentals II	0.0

NC.CUL-001 CULINARY SAFETY AND SANITATION

30.00 – 48.00 hours

Introduces principles of food safety and sanitation in a food service operation. Topics include sanitation regulations, personal hygiene, contamination sources, microorganisms, proper food handling, individual operations, foodborne illnesses, Hazard Analysis Critical Control Points (HACCP), techniques and storage, comprehensive cleaning and sanitizing, and workplace safety concepts. This course may be taken for a letter grade.

NC.CUL-002 BAKING FUNDAMENTALS I

36.00 – 48.00 hours

Prerequisite: NC.CUL-001

Explores ingredient interaction, proper scaling techniques, and reading of formulas in baking. Learn how to correctly measure and prepare quick bread recipes.

NC.CUL-003 BAKING FUNDAMENTALS II

36.00 – 48.00 hours

Prerequisite: NC.CUL-002

Second in a series, emphasizing baking skills necessary for employment including advanced breads and pastries.



DIAGNOSTIC MEDICAL SONOGRAPHY

Certificate of Completion: Fundamental Skills in Diagnostic Medical Sonography

Explores the field of Diagnostic Medical Sonography, covering ultrasound history, sound physics, sonographic principles, patient care, and hospital standards. An emphasis will be placed on quality patient care, the importance of communication, ethics, stress management, professionalism, preparing students for advanced studies, and entry into Diagnostic Medical Sonography and other health professions.

Certificate Student Learning Outcome:
Students will be able to develop competency in Diagnostic Medical Sonography by demonstrating core knowledge, technical, analytical, communication skills, and diagnostic proficiency, while upholding essential professional values of confidentiality and privacy, with an emphasis on patient care, critical thinking, ethics, professionalism, lifelong learning, and employability skills.

Program Requirements:
Units Required: 0

		Units:
NC.DMS-100	Introduction to the Field of Sonography	0.0
NC.HLTH-011	Health Professions Workforce Skills	0.0

NC.DMS-100 INTRODUCTION TO THE FIELD OF SONOGRAPHY

8.00 – 12.00 hours

Explore a career in medical imaging by learning about the field of Diagnostic Medical Sonography. The course provides students with a foundational understanding of the history and scope of ultrasound, sound physics, basic sonographic principles, the hospital environment, and patient care fundamentals tailored to diverse populations. Students will also explore accreditation standards and regulatory requirements within the field. Upon completion, students will be prepared for further study in diagnostic medical sonography.

DINÉ LANGUAGE

Certificate of Completion: Diné Language and Culture for the Workplace

Explore introductory and intermediate skills of the Diné (Navajo) language in the workplace, its structure, key vocabulary, and key phrases. Students will also learn important aspects of Diné culture, history, and worldview, understanding how language and culture are intertwined.

Certificate Student Learning Outcome:
Students will be able to demonstrate basic and intermediate Diné language structures and vocabulary, while displaying appropriate thoughts and emotions in simple Diné Bizaad workplace conversation.

Program Requirements:
Units Required: 0

		Units:
NC.DINÉ-001	Introduction to Diné Language and Culture for the Workplace	0.0
NC.DINÉ-002	Intermediate Diné Language and Culture for the Workplace	0.0

NC.DINÉ-001 INTRODUCTION TO DINÉ LANGUAGE AND CULTURE FOR THE WORKPLACE

20.00 – 30.00 hours

Introduces students to the Diné (Navajo) language, its structure, and essential vocabulary for workplace conversations. This course examines key Diné cultural values, social systems, and the roles of language, art, and storytelling in shaping Diné identity and heritage, helping students understand how language and culture are intertwined.

NC.DINÉ-002 INTERMEDIATE DINÉ LANGUAGE AND CULTURE FOR THE WORKPLACE

20.00 – 30.00 hours

Explores intermediate skills of the Diné (Navajo) language, its structure, and key phrases for workplace conversations. Teaches students to express thoughts and emotions in Diné Bizaad while maintaining traditional values. Students will also learn important aspects of Diné culture, history, and worldview.

EDUCATION

Certificate of Completion: 21st Century Teaching Practices

The 21st Century Teaching Practices Certificate program is an intermediate level professional development opportunity for educators to apply current research on teaching and learning to different populations of students and different pedagogical methods in the classroom. Teachers explore new approaches and techniques to further enhance student success, and implement these approaches and techniques in a learning community of fellow educators.

Certificate Student Learning Outcome:
Students will be able to apply teaching strategies and technologies to develop best practices for a 21st century learning environment.

Program Requirements:
Units Required: 0

		Units:
NC.EDUC-106	Teaching P5BL for Civic Equity and Inclusion 0.0	
NC.EDUC-107	ePortfolios for Engagement, Reflection, and Assessment	0.0
NC.EDUC-108	Teaching International Students	0.0

Certificate of Completion: CBEST Preparation

The California Basic Educational Skills Test (CBEST) certificate is designed to prepare students for the CBEST. The CBEST is the standardized exam that future TK -12 teachers must pass prior to being accepted into a Teacher Credential Program or hired as a teacher in California.

Certificate Student Learning Outcome:
Students will be able to identify and apply practical strategies and techniques for taking the English and Math section of the CBEST- California Basic Education Skills for Teachers.

Program Requirements:
Units Required: 0

		Units
NC.EDUC-001	Test Prep for CBEST English Basic Skills Test	0.0
NC.EDUC-002	Test Prep for CBEST Math Basic Skills Test	0.0

Certificate of Completion: Fundamental Skills for Higher Education

Learn the fundamental theories, techniques, and skills needed to start and maintain a successful career in the California Community College system. Develops techniques and tools for best practices in a variety of learning environments.

Certificate Student Learning Outcome:
Students will be able to demonstrate the skills needed to design and deliver a lesson plan and start a successful career in the California Community College system.

Program Requirements:
Units Required: 0

		Units:
NC.EDUC-100	Introduction to Teaching Strategies	0.0
NC.EDUC-110	Future Instructors Training for Higher Education	0.0

Certificate of Completion: Instructional Aide Training

Identify the roles and responsibilities of an instructional aide, while also developing strategies used by instructional aides to create a positive learning environment. Topics include supporting independent work, keeping the student engaged, supporting positive behavioral interventions, facilitating instruction, and collaborating and communicating with students, teachers, and parents.

Certificate Student Learning Outcome:
Students will be able to create a positive learning environment for students through effective practices and strategies.

Program Requirements:
Units Required: 0

		Units
NC.EDUC-003	Instructional Aide Training: Roles and Responsibilities	0.0
NC.EDUC-004	Instructional Aide Training: Effective Practices	0.0

Certificate of Completion: Teaching Foundation

The Teaching Foundation Certificate program is a professional development opportunity for educators to learn about current research on teaching and learning, learn new approaches and techniques to enhance student success, and practice these approaches and techniques in a learning community of fellow teachers.

Certificate Student Learning Outcome:
Students will be able to appraise teaching strategies and technologies to develop best practices for a 21st century learning environment.

Program Requirements:
Units Required: 0

		Units
Take one course from the following:		
NC.EDUC-100	Introduction to Teaching Strategies	0.0
	OR	
NC.EDUC-104	Culturally Responsive Teaching	0.0
	OR	
NC.EDUC-105	Introduction to Online Instruction	0.0
Plus two courses from the following		
NC.EDUC-101	Reading Strategies	0.0
	OR	
NC.EDUC-102	Assessment Strategies	0.0
	OR	
NC.EDUC-103	Critical Thinking	0.0
	OR	
NC.EDUC-111	Introduction to OnlineLive and HyFlex Pedagogy	0.0

NC.EDUC-001 TEST PREP FOR CBEST ENGLISH BASIC SKILLS TEST

4.00 hours
Provides practical strategies and techniques to prepare students for responding to analytical essay prompts for the English section of the CBEST-California Basic Education Skills for Teachers. Utilizes practice test questions, develops a study plan, and offers successful test-taking methods.

NC.EDUC-002 TEST PREP FOR CBEST MATH BASIC SKILLS TEST

4.00 hours
Provides practical test-taking strategies and techniques to prepare students for the Math section of the CBEST-California Basic Education Skills for Teachers. Utilizes practice exams, develops a study plan, and offers successful test-taking methods.

NC.EDUC-003 INSTRUCTIONAL AIDE TRAINING: ROLES AND RESPONSIBILITIES

8.00 – 16.00 hours
Explains the roles and responsibilities of an instructional aide, while also developing strategies for collaborating and communicating with students, teachers, and parents.

NC.EDUC-004 INSTRUCTIONAL AIDE TRAINING: EFFECTIVE PRACTICES

12.00 – 21.00 hours
Explores strategies used by instructional aides to create a positive learning environment, including supporting independent work, keeping the student engaged, supporting positive behavioral interventions, and facilitating instruction.

NC.EDUC-100 INTRODUCTION TO TEACHING STRATEGIES

36.00 – 54.00 hours
Introduces and develops techniques for best practices in selected learning environments. Amplifies key concepts and tools for educators to implement across curriculum and modalities. Focuses on self-reflection and peer review to enhance and improve authentic best practices in the classroom and conducive to student center learning. This course is designed for students and faculty preparing for and maintaining a career in education. Emphasis is placed on developing the knowledge and skills necessary for success as an educator.

NC.EDUC-101 READING STRATEGIES

18.00 – 36.00 hours
Explores current research about academic literacy and effective strategies to enhance critical reading in discipline-specific areas. The Reading Apprenticeship (RA) framework describes the components necessary to support reading development in content areas and create classroom environments that are more student-centered, collaborative, and metacognitive. This course is designed for students and faculty preparing for and maintaining a career in education. Emphasis is placed on developing the knowledge and skills necessary for success as an educator.

NC.EDUC-102 ASSESSMENT STRATEGIES

9.00 – 18.00 hours
Explores improving assessment practices in the selected learning environment. Assessment types, tools, and alignment with course objectives will be covered. This course is designed for students and faculty preparing for and maintaining a career in education. Emphasis is placed on developing the knowledge and skills necessary for success as an educator.

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NC.EDUC-103 CRITICAL THINKING STRATEGIES

9.00 – 18.00 hours

Introduces instructors to fundamental critical thinking tools for use with students, including strategies for practical application. Encourages instructors to utilize and apply innovative rhetorical analysis in the learning environment. Examines the implementation of critical thinking skills at all levels of course design. This course is designed for students and faculty preparing for and maintaining a career in education. Emphasis is placed on developing the knowledge and skills necessary for success as an educator.

NC.EDUC-104 CULTURALLY RESPONSIVE TEACHING

36.00 – 54.00 hours

Develops inclusivity through co-teaching and pedagogical documentation exercises. Emphasis is placed on developing cultural competency in areas such as race, class, and culture; and learning strategies for creating classrooms that are culturally inviting to all. This course is designed for students and faculty preparing for and maintaining a career in education. Emphasis is placed on developing the knowledge and skills necessary for success as an educator.

NC.EDUC-105 INTRODUCTION TO ONLINE INSTRUCTION

36.00 – 54.00 hours

Explores the application of learning theories for online learners; differences between face-to-face and online learning; resources for online teaching and learning; course management systems and online learning tools; and best practices for online learning. The class is designed so that participants will experience the components of an online course from both student and instructor perspectives. This course is designed for students and faculty preparing for and maintaining a career in education. Emphasis is placed on developing the knowledge and skills necessary for success as an educator.

NC.EDUC-106 TEACHING PROJECT-BASED LEARNING

18.00 – 24.00 hours

Learn how to develop and implement effective civic inclusion curricula using P5BL. You will learn how to co-teach with other educators, create P5BL assignments and syllabi, and incorporate academic and personal research, social responsibility, community engagement, and real-world "wicked" problems into your teaching.

NC.EDUC-107 EPORTFOLIOS FOR ENGAGEMENT, REFLECTION, AND ASSESSMENT

18.00 hours

Explore how ePortfolios can be used to help students engage with material, reflection on their progress, and assess their own skills and knowledge. ePortfolios are digital collections of artifacts that students create and curate to showcase their learning and can include a variety of materials, such as essays, presentations, projects, and creative work.

NC.EDUC-108 TEACHING INTERNATIONAL STUDENTS

18.00 hours

Equips faculty with strategies and tools to create an inclusive classroom environment that fosters comprehensive internationalization, cross-cultural dialogue, and inclusivity, in order to amplify a wider range of voices. An emphasis on crafting assessments, lectures and other classroom activities to create an inclusive and authentic teaching experience.

NC.EDUC-110 FUTURE INSTRUCTORS TRAINING FOR HIGHER EDUCATION

12.00 – 16.00 hours

Prerequisite: NC.EDUC-100

Prepares students for a successful California Community College system career. Students will learn about the different types of positions available, the qualifications required, and the job search and interview process. Students will also develop the skills necessary to succeed in the academic workplace by learning classroom management technique along with resume and syllabus-building.

NC.EDUC-111 INTRODUCTION TO ONLINELIVE AND HYFLEX PEDAGOGY

9.00 hours

Develop effective instructional skills to support the diverse needs of community college students in OnlineLIVE and HyFlex classes. Students will engage with content and complete assignments in a scaffolded learning environment.



Courses continued on the page 336.

English as a Second Language

NONCREDIT ESL

Course Sequence

1A & 1B
Beginning Low ESL

2A & 2B
Beginning High ESL

3A & 3B
Intermediate Low ESL

FREE - Basic-level
Courses will help develop English language listening, speaking, and reading skills. Students will practice grammar, pronunciation and vocabulary for everyday life situations.
No units earned

4A & 4B
Intermediate High ESL

60 & 61
ESL For College I

70 & 71
ESL For College II

FREE - **Intermediate-level**
Courses will help students transition to credit ESL courses by preparing for college-level reading, writing and grammar.
No units earned

CREDIT ESL

Course Sequence

090
Intermediate College Reading and Writing 1

100
Advanced College Reading and Writing

Enrollment fee - Advanced-level
Courses prepare students for credit English 101 and other college-level courses. Students will develop advanced listening, speaking, and pronunciation skills.
Units earned (5 units per course)

ADDITIONAL CREDIT ESL COURSES

Enrollment fee • No prerequisite • Units earned

Course Sequence

091
Accent Reduction

Focuses on accent reduction for non-native speakers of English. **(4 units)**

096
College Listening & Speaking

Provides intensive practice in academic listening, note-taking, and speaking.
(5 units)

ENGLISH

Certificate of Competency: Essential Reading and Writing Skills for College and Career

Develops reading and writing skills by focusing on critical reading and composition strategies.

Certificate Student Learning Outcome:
Students will be able to:

— Compose well-organized, fully-developed, and grammatically correct essays and/or workplace documents, using relevant evidence.

— Make connections among texts and ideas that lead to thoughtful, analytical, and expository writing.

Program Requirements:
Units Required: 0

		Units
NC.ENGL-001	Essential Reading and Writing Skills I	0.0
NC.ENGL-002	Essential Reading and Writing Skills II	0.0

NC.ENGL-001 ESSENTIAL READING AND WRITING SKILLS I

18.00 – 36.00 hours

Prerequisite: Concurrent Enrollment in ENGL C1000 or eligibility per California Education Code 78213 required

Develops reading and writing skills by applying critical reading strategies to non-fiction texts and writing brief source-based essays.

NC.ENGL-002 ESSENTIAL READING AND WRITING SKILLS II

18.00 – 36.00 hours

Prerequisite: Concurrent Enrollment in ENGL C1000 or eligibility per California Education Code 78213 required

Develops writing skills by focusing on strategies to compose well-organized and coherent essays. Develops reading skills by focusing on formulating inferences and making connections among fiction and nonfiction texts and ideas.

ENGLISH AS A SECOND LANGUAGE (ESL)

Certificate of Competency: ESL/Beginning Level

Students who receive this certificate have demonstrated mastery of the Model Standards for Adult Education Programs Beginning Low and Beginning High levels of English skills in reading, writing, speaking and listening.

Certificate Student Learning Outcome:
Students will be able to communicate in English through reading, writing, speaking, and listening at the Beginning High level.

Program Requirements:
Units Required: 0

		Units
NC.ESL-1A	Beginning Low A	0.0
NC.ESL-1B	Beginning Low B	0.0
NC.ESL-2A	Beginning High A	0.0
NC.ESL-2B	Beginning High B	0.0

Certificate of Competency: ESL/Intermediate Level

Students who receive this certificate have demonstrated mastery of the Model Standards for Adult Education Programs Intermediate Low and Intermediate High levels of English skills in reading, writing, speaking and listening.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in English through reading, writing, speaking and listening in English at the Intermediate High level.

Program Requirements:
Units Required: 0

		Units
NC.ESL-3A	Intermediate Low A	0.0
NC.ESL-3B	Intermediate Low B	0.0
NC.ESL-4A	Intermediate High A	0.0
NC.ESL-4B	Intermediate High B	0.0

Certificate of Competency: Beginning Conversational English

Interact with others to meet basic needs related to routine everyday activities and participate in familiar social interactions in a socio-culturally appropriate way.

Certificate Student Learning Outcome:
Students will be able to demonstrate listening, speaking, and interpersonal communication skills for conversing in a variety of real-world situations at the high beginning level.

Program Requirements:
Units Required: 0

		Units:
NC.ESL-010	Beginning Conversation Skills for Everyday Needs	0.0
NC.ESL-011	Beginning Conversation Skills for Socializing	0.0

Certificate of Competency: Intermediate Conversational English

Interact fluently with others to meet everyday needs and participate in social interactions on a variety of topics in a socio-culturally appropriate way.

Certificate Student Learning Outcome:
Students will be able to demonstrate listening, speaking, and interpersonal communication skills for conversing in a variety of real-world situations at the high intermediate level.

Program Requirements:
Units Required: 0

		Units:
NC.ESL-020	Intermediate Conversation Skills for Everyday Needs	0.0
NC.ESL-021	Intermediate Conversation Skills for Socializing	0.0

Certificate of Competency: Intermediate American Language and Culture

Advances students' English, deepens their cultural understanding, and improves their communication skills through the study of American music, television, and idioms. Intermediate-High Level.

Certificate Student Learning Outcome:
Students will be able to communicate effectively at the high-intermediate level demonstrating knowledge and understanding of American cultural components, music, and television, and an active use of idiomatic language.

Program Requirements:
Units Required: 0

		Units:
NC.ESL-050	American Language and Culture Through Contemporary Life	0.0
NC.ESL-051	American Language and Culture Through American Idioms	0.0
NC.ESL-052	American Language and Culture Through American Music	0.0
NC.ESL-053	American Language and Culture Through American Television	0.0

Certificate of Competency: Advanced American Language and Culture

Advances students' English, deepens their cultural understanding, and improves their communication skills through the study of American current events/trends/topics, movies, and literature. Advanced-Low Level.

Certificate Student Learning Outcome:
Students will be able to communicate fluently at the advanced-low level demonstrating knowledge and understanding of American cultural components, movies, literature, and current events/topics.

Program Requirements:
Units Required: 0

		Units:
NC.ESL-050	American Language and Culture Through Contemporary Life	0.0
NC.ESL-055	American Language and Culture Through Current Events	0.0
NC.ESL-056	American Language and Culture Through American Movies	0.0
NC.ESL-057	American Language and Culture Through American Literature	0.0

Certificate of Competency: English as a Second Language (ESL) for College Preparation I

The Noncredit English as a Second Language (NC.ESL) program is a general ESL program that gives students the foundations in general English but college requires an academic English. For those students interested in moving to credit ESL and credit courses, mastery of key academic English skills is essential to their success. This certificate program allows NC.ESL students to focus their English skills for a college environment.

Certificate Student Learning Outcome:
Students will be able to communicate in English at the intermediate level in common college situations.

Program Requirements:
Units Required: 0

		Units
NC.ESL-060	College Reading, Writing, and Grammar I	0.0
NC.ESL-061	College Listening and Speaking I	0.0

Certificate of Competency: English as a Second Language (ESL) for College Preparation II

Certificate Student Learning Outcome:
Students will be able to communicate in English at the high-intermediate level in formal and informal college situations.

Continued on the next page.

Program Requirements:
Units Required: 0

		Units
NC.ESL-070	College Reading, Writing, and Grammar II	0.0
NC.ESL-071	College Listening and Speaking II	0.0

Certificate of Completion: English for the Workplace

Certificate Student Learning Outcome:
Students will be able to communicate in written and spoken English in common workplace situations.

Program Requirements:
Units Required: 0

		Units
NC.VESL-001	English for the Workplace	0.0
NC.VESL-002	Success in the Workplace	0.0

NC.ESL-1A BEGINNING LOW A

60.00 – 100.00 hours

Develops basic English skills at the Beginning Low level through listening, speaking, reading and writing, grammar, pronunciation, vocabulary and everyday life situations. Offered pass/no-pass only.

NC.ESL-1B BEGINNING LOW B

60.00 – 100.00 hours

Recommended Preparation: NC.ESL-1A

Continues and expands the development of basic English skills at the Beginning Low level through listening, speaking, reading and writing, grammar, pronunciation, vocabulary, and every-day life situations. Offered pass/no-pass only.

NC.ESL-2A BEGINNING HIGH A

60.00 – 100.00 hours

Recommended Preparation: NC.ESL-1B

Develops English skills at the Beginning High level through listening, speaking, reading and writing, grammar, pronunciation, vocabulary and everyday life situations. Offered pass/no-pass only.

NC.ESL-2B BEGINNING HIGH B

60.00 – 100.00 hours

Recommended Preparation: NC.ESL-2A

Continues and expands the development of English skills at the Beginning High level through listening, speaking, reading and writing, including grammar, pronunciation, vocabulary and everyday life situations. Offered pass/no-pass only.

NC.ESL-3A INTERMEDIATE LOW A

60.00 – 100.00 hours

Recommended Preparation: NC.ESL-2B

Develops English skills at the Intermediate Low level through listening, speaking, reading and writing grammar, pronunciation, vocabulary and everyday life situations. Offered pass/no-pass only.

NC.ESL-3B INTERMEDIATE LOW B

60.00 – 100.00 hours

Recommended Preparation: NC.ESL-3A

Continues and expands English skills at the Intermediate Low level through listening, speaking, reading and writing including grammar, pronunciation, vocabulary and everyday life situations. Offered pass/no-pass only.

NC.ESL-4A INTERMEDIATE HIGH A

60.00 – 100.00 hours

Recommended Preparation: NC.ESL-3B

Develops English skills at the Intermediate High level through listening, speaking, reading and writing, including grammar, pronunciation, vocabulary and everyday life situations. Offered pass/no-pass only.

NC.ESL-4B INTERMEDIATE HIGH B

60.00 – 100.00 hours

Recommended Preparation: NC.ESL-4A

Continues and expands English skills at the Intermediate High level through listening, speaking, reading and writing, including grammar, pronunciation, vocabulary, and common situations. Offered pass/no-pass only.

NC.ESL-010 BEGINNING CONVERSATION SKILLS FOR EVERYDAY NEEDS

30.00 – 60.00 hours

Develops beginning level English listening, speaking, pronunciation, and vocabulary skills for conversational competence in social situations around everyday needs.

NC.ESL-011 BEGINNING CONVERSATION SKILLS FOR SOCIALIZING

30.00 – 60.00 hours

Provides practice conversing in English in a variety of real-world situations. Focuses on listening, speaking, and interpersonal communication skills related to social situations.

NC.ESL-020 INTERMEDIATE CONVERSATION SKILLS FOR EVERYDAY NEEDS

30.00 – 60.00 hours

Recommended Preparation: NC.ESL-010

Develops intermediate-level English listening, speaking, pronunciation, and vocabulary skills for conversational fluency around everyday needs.

NC.ESL-021 INTERMEDIATE CONVERSATION SKILLS FOR SOCIALIZING

30.00 – 60.00 hours

Recommended Preparation: NC.ESL-011

Further develops English conversational skills in a range of real-world social situations. Focuses on listening, speaking, pronunciation, and interpersonal communication skills for conversational fluency at the high-intermediate level and above.

NC.ESL-050 AMERICAN LANGUAGE AND CULTURE THROUGH CONTEMPORARY LIFE

45.00 – 70.00 hours

Recommended Preparation: NC.ESL-4B

Advances students' English language skills, deepens their American cultural understanding, and improves their communication skills through the analysis of American life and culture. Intermediate-High Level.

NC.ESL-051 AMERICAN LANGUAGE AND CULTURE THROUGH AMERICAN IDIOMS

45.00 – 70.00 hours

Recommended Preparation: NC.ESL-4B

Advances students' English language skills, deepens their American cultural understanding, and improves their communication skills through the study and use of American idioms. Intermediate-High Level.

NC.ESL-052 AMERICAN LANGUAGE AND CULTURE THROUGH AMERICAN MUSIC

45.00 – 70.00 hours

Recommended Preparation: NC.ESL-4B

Advances students' English language skills, deepens their American cultural understanding, and improves their communication skills through the study of American music. Intermediate-High Level.

NC.ESL-053 AMERICAN LANGUAGE AND CULTURE THROUGH AMERICAN TELEVISION

45.00 – 70.00 hours

Recommended Preparation: NC.ESL-4B

Advances students' English language skills, deepens their American cultural understanding, and improves their communication skills through the study of American Television. Intermediate-High Level.

NC.ESL-055 AMERICAN LANGUAGE AND CULTURE THROUGH CURRENT EVENTS

45.00 – 70.00 hours

Recommended Preparation: NC.ESL-4B & NC.ESL-050

Advances students' English language skills, deepens their American cultural understanding, and improves their communication skills through the study of current events. Advanced-Low level.

NC.ESL-056 AMERICAN LANGUAGE AND CULTURE THROUGH AMERICAN MOVIES

45.00 – 70.00 hours

Recommended Preparation: NC.ESL-4B & NC.ESL-050

Advances students' English language skills, deepens their American cultural understanding, and improves their communication skills through the study of American movies. Advanced-Low Level.

NC.ESL-057 AMERICAN LANGUAGE AND CULTURE THROUGH AMERICAN LITERATURE

45.00 – 70.00 hours

Recommended Preparation: NC.ESL-4B & NC.ESL-050

Advances students' English language skills, deepens their American cultural understanding, and improves their communication skills through the study of American literature. Advanced-Low Level.

NC.ESL-060 COLLEGE READING, WRITING, AND GRAMMAR I

60.00 – 100.00 hours

Recommended Preparation: NC.ESL-4A & 4B

Develops reading, writing, and grammar skills designed to progress non-native speakers of English toward college-level work.

NC.ESL-061 COLLEGE LISTENING AND SPEAKING I

60.00 – 100.00 hours

Recommended Preparation: NC.ESL-4A & 4B

Provides practice speaking in informal college situations. Focuses on listening, speaking, and pronunciation through extensive practice in common college situations.

NC.ESL-070 COLLEGE READING, WRITING, AND GRAMMAR II

60.00 – 100.00 hours

Recommended Preparation: NC.ESL-060

Continues development of reading, writing, and grammar skills in preparation for college-level work.

NC.ESL-071 COLLEGE LISTENING AND SPEAKING II

60.00 – 100.00 hours

Recommended Preparation: NC.ESL-061

Expands the practice of oral communication in both formal and informal college situations. Develops listening strategies.

NC.VESL-001 PREPARING FOR THE WORKPLACE

60.00 – 100.00 hours

Recommended Preparation: NC.ESL-3B

Introduces the English necessary to enter the workplace in the United States, emphasizing vocabulary, communication skills, and cultural knowledge.

NC.VESL-002 SUCCESS IN THE WORKPLACE

60.00 – 100.00 hours

Recommended Preparation: NC.VESL-001

Further develops the English, communication skills, and cultural competence necessary for entering and succeeding in the workplace in the United States.

Continued on the next page.

eSPORTS

Certificate of Completion: eSports and Interactive Media

Explore numerous topics leveraging video games and interactive media as powerful tools for teaching and supplementing traditional academic disciplines. This program harnesses the power of eSports and game-based learning to enhance problem-solving, critical thinking, collaboration, and creativity while engagingly reinforcing core academic concepts. Gain hands-on experience with familiar topics within video games as a learning tool and instructional strategy. Through a combination of theory and practice, rediscover a love of learning with exploratory and play-based learning models that utilize video games as an infinite tapestry to form connections between traditional concepts and interactive playable worlds.

Certificate Student Learning Outcome:
Students will be able to utilize gaming and interactive media as a vehicle for exploring, learning, and understanding higher-order concepts.

Program Requirements:
Units Required: 0

		Units:
NC.ESPR-001	The History of Interactive Digital Media	0.0
NC.ESPR-002	Narrative Design and World Building	0.0

NC.ESPR-001 THE HISTORY OF INTERACTIVE DIGITAL MEDIA

24.00 – 36.00 hours

Explores video game evolution, from board games to modern digital experiences, examining technological innovations, cultural shifts, and storytelling. An emphasis will be placed on analyzing game mechanics, technology, and cultural impact, fostering understanding of the industry's past, present, and future, and the role of interactive media in driving technological and cultural change.

NC.ESPR-002 NARRATIVE DESIGN AND WORLD BUILDING

24.00 – 36.00 hours

Explores the interplay of narrative and game mechanics in interactive media, from mobile games to RPGs (Role-Playing Games). An emphasis on crafting compelling stories, characters, and worlds, and integrating them with gameplay. A capstone project requires students to create a detailed game world, showcasing their understanding of the narrative-mechanic synergy.

GENERAL STUDIES

NC.GNST-050 LEARNING DISABILITY ELIGIBILITY EVALUATION

1.00 – 300.00 hours

Recommended Preparation: Students wanting to enroll in NC.GNST-050 must meet with the Director of AAC (formerly DSP&S) or designee to determine if assessment is appropriate.

Introduces the student to the learning disabilities assessment process and the resources available, including the California Community College eligibility model, achievement and cognitive testing, learning difficulties, support services, study strategies and accommodations.

NC.GNST-082 EDUCATIONAL COACHING AND ASSISTIVE TECHNOLOGY

1.00 – 300.00 hours

Provides educational coaching services and computer assisted support for students with disabilities enrolled in coursework at COC. Students are able to utilize computer programs and assistive technology in order to complete course assignments. Topics are taken from the student's regular course load and they are provided learning strategies including, but not limited to organization, memory/recall, and time management. Tutorial in nature, this course focuses on obtaining guidance from educational coaches to develop learning strategies, strengthen study skills, and assist with organization to increase academic success. This course also focuses on the utilization of assistive technology housed in the High Tech Center in AAC and various notetaking, screen reading, and speech to text programs and applications.



NC.GNST-091 SPECIALIZED LEARNING ASSISTANCE - ENGLISH

1.00 – 300.00 hours

Tutorial in nature, this course focuses on the utilization of specialized tutors experienced in working with students with disabilities with writing and composition. Students will work with the specialized tutor to determine and utilize individualized strategies to increase success in their English course. Students will be introduced to assistive technology/selected software programs/ computer applications to provide support with the reading and writing process. Provides support for AAC students in mainstream English and language related courses other than Mathematics.

NC.GNST-092 SPECIALIZED LEARNING ASSISTANCE - MATH

1.00 – 300.00 hours

Provides specialized tutoring, from a tutor trained to teach students with disabilities, for AAC students who are enrolled in mainstream college math classes and whose disability results in educational limitations in math. Students must be concurrently enrolled in a College of the Canyons Mathematics class. Students will learn strategies to enhance math concepts and computation skills. Students will use math-based technologies available in the High Tech lab as needed.

HEALTHCARE

Certificate of Completion: Foundations of Dementia Care: Alzheimer's and Cognitive Support

Prepares non-medical caregivers and health professionals to deliver compassionate, person-centered care to individuals living with dementia, including Alzheimer's disease. Learners develop essential skills in communication, behavior response, memory support, ethical practice, and resilience. Provides the comprehensive foundation and advanced competencies required for excellence in dementia care across home, community, and professional care settings.

Certificate Student Learning Outcome:
Students will be able to demonstrate skills to provide person-centered care and support the emotional well-being of individuals living with dementia, while applying caregiver resilience strategies.

Program Requirements:
Units Required: 0

		Units:
NC.HLTH-030	Foundations of Dementia and Person-Centered Support	0.0
NC.HLTH-031	Dementia Care, Ethics, and Caregiver Resilience	0.0

Certificate of Completion: Math and Professional Skills for Healthcare Careers

Explores the math and professional skills needed for healthcare careers. Students will learn to calculate accurate medication dosages using appropriate mathematical conversions. Courses emphasize essential professional competencies, such as communication, workplace ethics, and employability skills, as well as adult and pediatric CPR, First Aid, and AED skills. If NC.HLTH-001 is completed as part of the certificate, students can pay an additional fee to earn the American Red Cross certificate for Adult and Pediatric CPR, First Aid, and AED, which meets OSHA/workplace requirements.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in calculating medication dosages and utilize essential employability skills used in healthcare.

Program Requirements:
Units Required: 0

		Units:
NC.HLTH-012	Medical Math for Healthcare Careers	0.0
	Plus one course from the following:	
NC.HLTH-001	Adult and Pediatric CPR, First Aid, and AED	0.0
NC.HLTH-011	Health Professions Workforce Skills	0.0

NC.HLTH-012 MEDICAL MATH FOR HEALTHCARE CAREERS

24.00 – 36.00 hours

Provides a review of basic mathematical skills, emphasizing their application in healthcare settings. Explores conversions between the metric and household systems, applying these concepts to real-world scenarios. The course covers reading and interpreting medication labels and prescriptions, calculating oral, parenteral, pediatric adult medication doses, and intravenous fluid flow rates.

NC.HLTH-030 FOUNDATIONS OF DEMENTIA AND PERSON-CENTERED SUPPORT

28.00 – 32.00 hours

Provides a comprehensive overview of dementia, including its types, stages, and symptoms, and the effects on individuals and families. Students gain essential skills for effective communication, behavior response, and memory support in everyday care settings. Focuses on practical, person-centered approaches that promote dignity, safety, engagement, and cultural responsiveness for individuals living with dementia. Designed for caregivers and entry-level health professionals, this course lays the foundation for compassionate and informed dementia care.

Continued on the next page.

NC.HLTH-031 DEMENTIA CARE, ETHICS, AND CAREGIVER RESILIENCE

28.00 – 32.00 hours

Building on foundational knowledge, this advanced course explores the emotional, ethical, and cultural dimensions of dementia care. Students develop techniques to support emotional well-being, navigate challenging care situations, and uphold ethical and legal responsibilities. Focuses on inclusive, culturally competent practices and caregiver self-care to ensure sustainable, high-quality support. Ideal for caregivers seeking to deepen their skills in dementia care.

HUMAN RESOURCES

Certificate of Completion: Gateway Human Resources Assistant

Introduce learners to the field of Human Resources. Prepare participants with a solid foundation of the human resources functions, basic knowledge of relevant employment laws, and the ability to perform basic human resources activities that are an essential part of the employment life cycle. The Gateway Human Resources Assistant certificate consists of three short-term courses and is designed for those interested in gaining knowledge and skills for employment into an entry-level position in human resources.

Certificate Student Learning Outcome:
Students will be able to describe the Human Resources functions and fundamental employment laws, and demonstrate the ability to perform foundational activities.

Program Requirements:
Units Required: 0

		Units:
NC.BUS-1A	Foundations of Human Resources Management	0.0
NC.BUS-1B	Employment Law Fundamentals	0.0
NC.BUS-1C	Human Resources Management Support Activities	0.0

Certificate of Completion: Supervisor's Roadmap

Examines the critical role of supervisors, managers, and leaders within the context of human resources management across various industries. Provides business leaders with a more in-depth employment law review and the strategies and tools to navigate the work environment to more effectively hire, manage, motivate, and retain talent. The Supervisor's Roadmap certificate consists of two short-term courses and is designed for those interested in moving into a supervisor role or for individuals wanting to step into a leadership role with additional employee oversight responsibilities.

Certificate Student Learning Outcome:
Students will be able to:

– Demonstrate knowledge of employment laws as it pertains to the employment life cycle from a supervisor and business leader's perspective.
– Apply strategies and tools to more effectively to hire, manage, motivate, and retain talent.

Program Requirements:
Units Required: 0

		Units:
NC.BUS-2A	Supervisor's Role in Workplace Compliance	0.0
NC.BUS-2B	People Management	0.0

Certificate of Completion: Human Resources Professionals

Examines the human resources professional's role as a strategic partner for an organization. Provides a more advanced employment law review and update and explores human resources strategies to optimize their organization to achieve a competitive advantage. The Human Resources Professionals certificate consists of two short-term courses and is designed for those individuals interested in stepping into a higher-level strategic human resources position.

Certificate Student Learning Outcome:
Students will be able to:

— Demonstrate knowledge of relevant federal and state employment laws and address how these laws and recent updates apply to employers and employees in the workplace.
— Select and apply appropriate human resources strategies to optimize their organization to achieve a competitive advantage.

Program Requirements:
Units Required: 0

		Units:
NC.BUS-3A	Legal Review and Update for Human Resources Management Professionals	0.0
NC.BUS-3B	Strategic Human Resources Management	0.0

NC.BUS-1A FOUNDATIONS OF HUMAN RESOURCES MANAGEMENT

16.00 hours

Explores the major areas of responsibilities under human resources and the importance of these functions within a business. Discover careers within human resources and the skills needed to be successful.

NC.BUS-1B EMPLOYMENT LAW FUNDAMENTALS

16.00 hours

Recommended Preparation: NC.BUS-1A

Examines relevant state and federal employment laws that impact the workplace.

NC.BUS-1C HUMAN RESOURCES MANAGEMENT SUPPORT ACTIVITIES

16.00 hours

Recommended Preparation: NC.BUS-1B

Presents basic essential activities applicable to a support level position in human resources.

NC.BUS-2A SUPERVISOR'S ROLE IN WORKPLACE COMPLIANCE

16.00 hours

Explores relevant employment laws affecting the workplace from the supervisor's perspective of ensuring compliance.

NC.BUS-2B PEOPLE MANAGEMENT

24.00 hours

Examines tools to effectively hire, manage, motivate, and retain talent. Examines the employment life cycle from a supervisor and business leader's perspective.

NC.BUS-3A LEGAL REVIEW AND UPDATE FOR HUMAN RESOURCES MANAGEMENT PROFESSIONALS

16.00 hours

Provides human resources professionals with a more advanced employment law review, update on current legislation, and case analysis impacting employees and employers in the workplace.

NC.BUS-3B STRATEGIC HUMAN RESOURCES MANAGEMENT

24.00 hours

Explores human resources strategies to optimize an organization's efforts in achieving a competitive advantage.

IMMIGRANT EDUCATION

NC.CITZ-01 CITIZENSHIP FOR NATURALIZATION

36.00 – 54.00 hours

Introduces the history and government of the United States, including an overview of the branches of government, the Constitution, and the Bill of Rights necessary to pass the U.S. Citizenship Examination. This course may be offered open entry/open exit. Offered pass/no-pass only.

LAND SURVEYING

Certificate of Completion: Global Navigation Satellite System (GNSS)

GNSS technology has become a Land Surveying industry standard and there is an increasing need for Land Surveyors with GNSS technology skills. This program will provide students with a fundamental understanding of GNSS technology, Geodesy, field techniques and applications, GNSS data adjustments, processing, and analysis, and map projections. The purpose of the program is to provide both current surveyors and those new to the profession the skills and knowledge needed to conduct and process surveying projects in the workplace using GNSS technology.

Certificate Student Learning Outcome:
Students will be able to provide a fundamental understanding of GNSS technology. Geodesy, field techniques and applications, GNSS data adjustments, processing, and analysis, and map projections.

Program Requirements:
Units Required: 0

		Units:
NC.SURV-010	Principles of GNSS Technology	0.0
NC.SURV-015	Fundamentals of Geodesy	0.0
NC.SURV-020	GNSS Leveling	0.0
NC.SURV-025	Survey Data Adjustments	0.0
NC.SURV-030	GNSS Techniques	0.0
NC.SURV-035	Map Projections	0.0
NC.SURV-040	Control Surveys Using GNSS	0.0
NC.SURV-045	GNSS Processing and Analysis	0.0

Certificate of Completion: NCEES Fundamentals of Surveying (FS) Exam Preparation

Prepares students to successfully complete the National Council of Examiners for Engineering and Surveying (NCEES) Fundamentals of Surveying (FS) exam. The FS exam is a requirement for obtaining the LSIT (Land Surveyor-In-Training) certification, which is the first step in professional licensure.

Certificate Student Learning Outcome:
Students will be able to demonstrate the relevant surveying knowledge and skills to successfully complete a practice exam covering all topics from the NCEES FS exam.

Program Requirements:
Units Required: 0

		Units:
NC.SURV-100A	Fundamentals of Surveying (FS) Exam Review I	0.0
NC.SURV-100B	Fundamentals of Surveying (FS) Exam Review II	0.0

NC.SURV-010 PRINCIPLES OF GNSS TECHNOLOGY

14.00 – 16.00 hours

Presents an overview of the components of the Global Navigation Satellite System (GNSS) system, including: the GNSS satellite constellations, their signal structure; GNSS orbits and tracking networks; GNSS measurements and their properties and error characteristics; absolute and differential positioning; GNSS receivers, their capabilities and limitations, and selecting the proper technique for a specific application.

NC.SURV-015 FUNDAMENTALS OF GEODESY

14.00 – 16.00 hours

Recommended Preparation: NC.SURV-010

Provides an overview of geodesy, examines the fundamental goal of geodesy, and introduces those geodetic concepts useful in better understanding GNSS. Topics include geodetic datums and reference systems, satellite geodesy, geodetic quantities and transformation of terrestrial positions.

NC.SURV-020 GNSS LEVELING

14.00 – 16.00 hours

Recommended Preparation: NC.SURV-015

Introduces the concepts and techniques involved in establishing precise ellipsoidal heights and the application of a geoid model to derive orthometric heights. Topics include fundamental relationships between heights, practical representation and use of regional and global geoid models, local geoid modeling by surface-fitting, network design, and observing procedures for recovering high-accuracy orthometric heights. Accuracy and limitations of the method are also explored.

NC.SURV-025 SURVEY DATA ADJUSTMENTS

14.00 – 16.00 hours

Recommended Preparation: NC.SURV-010 & NC.SURV-020

Examines the types of errors encountered in survey data and the appropriate data adjustment methods. Familiarity with common least squares adjustment software and reports will be achieved.



NC.SURV-030 GNSS TECHNIQUES

14.00 – 16.00 hours

Recommended Preparation: NC.SURV-015

Examines the near-real-time solutions available from Differential GNSS (DGNSS), Real-Time Kinematic (RTK) and Networked RTK as well as state-of-the-art control survey accuracies with advanced post-processing techniques using a global network of continuous tracking GNSS sites.

NC.SURV-035 MAP PROJECTIONS

14.00 – 16.00 hours

Recommended Preparation: NC.SURV-015

Focuses on the methods and procedures required for accurately mapping or projecting positions measured in a three dimensional world onto a flat two dimensional surface using computer software. Topics include the history and geometry of map projections, regulatory compliance, and coordinate conversions.

NC.SURV-040 CONTROL SURVEYS USING GNSS

14.00 – 16.00 hours

Recommended Preparation: NC.SURV-030

Examines the process of conducting a control survey using GNSS technologies including planning, field measurements, data processing, adjusting, and analysis of the final results. Organizational design and observation planning is needed to meet stringent control survey standards and specifications. GNSS Surveying Standards and Specifications 1.1 by CLSA & CSRC and Specifications for Geodetic Control Networks and Geometric Accuracy Standards are also addressed.

NC.SURV-045 GNSS PROCESSING AND ANALYSIS

14.00 – 16.00 hours

Recommended Preparation: NC.SURV-010, 025, 030 and 040

Explores GNSS data collection and processing, and the analysis and evaluation required to deliver practical surveying and mapping information. Participants work in small groups to perform GNSS surveys where data is collected in the field, downloaded, processed, analyzed, and evaluated.

NC.SURV-100A FUNDAMENTALS OF SURVEYING (FS) EXAM REVIEW I

16.00 – 24.00 hours

Prepares students to take the Fundamentals of Survey Exam administered by the National Council of Examiners for Engineering and Surveying (NCEES), which is the first step to obtaining a Land Surveyor In Training (LSIT) certificate. Introductory course designed to provide an overview of surveying instruments and their applications, essential mapping techniques, boundary law, and mathematical principles.

NC.SURV-100B FUNDAMENTALS OF SURVEYING (FS) EXAM REVIEW II

16.00 – 24.00 hours

Focuses on advanced surveying topics essential for exam success. Covers construction surveys, land development, and mapping technologies, including CAD, GIS, and Digital Terrain Models. Will review photogrammetry, remote sensing, geodesy, and boundary law. Covers key surveying computations such as leveling, least squares adjustments, and volume calculations. Includes business concepts like project management, ethics, and contracts to prepare students for both the technical and professional aspects of the FS exam.

LIFE SKILLS

Certificate of Completion: Entering the Workforce Post Criminal Conviction

Develops the skills needed to successfully transition from being incarcerated to finding employment. The completion of this certificate will help prepare students to learn how to clear one's record and find employment opportunities.

Certificate Student Learning Outcome:
Students will be able to utilize the skills necessary to manage one's criminal record to gain employment.

Program Requirements:
Units Required: 0

		Units
NC.LSKL-050	Cleaning Up Your California Criminal Record	0.0
NC.CSKL-010	Strategic Job Search	0.0

NC.LSKL-050 CLEANING UP YOUR CALIFORNIA CRIMINAL RECORD

20.00 – 40.00 hours

Understand your California criminal record and learn about the resources to improve your employment opportunities. This course is intended for educational purposes only and is not intended as legal advice.

NC.LSKL-060 PARENTING STRATEGIES I

20.00 – 40.00 hours

Examines the principles of child development, discipline philosophies, communication, and strengthening family relationships.

NC.LSKL-061 PARENTING STRATEGIES II

20.00 – 40.00 hours

Explores the responsibilities and benefits of being a good parent, including an overview of the child development theories and how to build good relationships with one's children. Additional topics include parenting styles, effective parenting strategies, and building a positive parent-child relationship..

NC.LSKL-070 ANGER MANAGEMENT I

20.00 – 40.00 hours

Introduces strategies and techniques for dealing with anger and managing relationships. Topics include defining anger, assessing personality styles, and exploring strategies for managing stress.

NC.LSKL-071 ANGER MANAGEMENT II

20.00 – 40.00 hours

Examines strategies and techniques for managing anger and response reactions. Learn how to improve relationships through effective communication skills while also addressing underlying causes of anger stemming from the past..

NC.LSKL-080 DOMESTIC VIOLENCE I

20.00 – 40.00 hours

Analyzes domestic violence and how to end the cycle of abuse. Topics to be covered include why violence occurs, signs of controlling someone, the healing process for survivors, prevention of rage, and treatment/ support options.

NC.LSKL-081 DOMESTIC VIOLENCE II

20.00 – 40.00 hours

Analyzes domestic violence and how to end the cycle of abuse. Topics to be covered include why violence occurs, signs of controlling someone, the healing process, prevention of rage, and treatment and support options.

NC.LSKL-090 ADDICTION AND SUBSTANCE ABUSE I

20.00 – 40.00 hours

Introduces the concepts of addiction and substance abuse for the individual, the family and the community. Students will learn about the dynamics of addiction and evaluate one's personal situation. Topics include: treatment options, the disease of addiction, trauma issues such as HIV/AIDS, domestic violence, sexual abuse and dislocation, the impact on family and friends, co-dependency.

NC.LSKL-091 ADDICTION AND SUBSTANCE ABUSE II

20.00 – 40.00 hours

Examines drug and alcohol abuse from a sociological and psychological perspective. Students will learn about various aspects of recovery and the recovery process. Topics include: treatment options, the detox processes, and support groups.

NC.LSKL-100 PERSONAL HEALTH AND WELLNESS

20.00 – 40.00 hours

Explores the six dimensions of health and wellness: physical, psychological, social, intellectual, spiritual, and environmental. Learn strategies for personal health promotion and wellness.

Continued on the next page.

NC.LSKL-101 MINDFULNESS STRATEGIES FOR STRESS MANAGEMENT

20.00 – 40.00 hours

Discover mindfulness as a strategy for managing stress, developing attention control, cultivating mindful thoughts, and making long-lasting changes to one's ability to handle stress.

MATHEMATICS

Certificate of Competency: Essential Arithmetic Skills

Introduces students to essential arithmetic skills involving fractions, mixed numbers, and decimals. Successful completion of this certificate will help in preparing students for essential pre-algebra skills.

Certificate Student Learning Outcome:
Students will be able to solve mathematical problems using essential arithmetic operations and conversions involving whole numbers, fractions, mixed numbers, and decimals.

Program Requirements:
Units Required: 0

		Units
NC.MATH-001	Whole Numbers	0.0
NC.MATH-002	Fractions and Mixed Numbers	0.0
NC.MATH-003	Decimal Numbers	0.0

Certificate of Competency: Essential Pre-Algebra Skills

Introduces students to essential pre-algebra skills involving rates, proportions, and percentages. Successful completion of this certificate will help students solve practical problems in every-day applications of mathematics.

Certificate Student Learning Outcome:
Students will be able to solve mathematical problems using essential pre-algebra operations involving rates, proportions, and percentages.

Program Requirements:
Units Required: 0

		Units
NC.MATH-004	Percentages	0.0
NC.MATH-005	Rates and Proportions	0.0
NC.MATH-006	Signed Numbers	0.0

Certificate of Competency: Essential Beginning Algebra Skills

Introduces students to essential introductory algebra skills involving algebraic expressions, linear equations, graphs, and systems. Successful completion of this certificate will help students with basic concepts and prepare them for further and transfer-level mathematics courses.

Certificate Student Learning Outcome:
Students will be able to solve mathematical problems involving algebraic expressions, linear equations, linear graphs, and linear systems.

Program Requirements:
Units Required: 0

		Units
NC.MATH-007	Algebraic Expressions	0.0
NC.MATH-008	Graphs and Lines	0.0
NC.MATH-009	Linear Systems	0.0

Certificate of Competency: Essential Intermediate Algebra Skills: Polynomials

Introduces students to essential intermediate algebra skills involving exponents, polynomials, and rational expressions/equations. Successful completion of this certificate will help students prepare for transfer level mathematics courses.

Certificate Student Learning Outcome:
Students will be able to solve mathematical problems using exponents, polynomials, and rational expressions/equations.

Program Requirements:
Units Required: 0

		Units:
NC.MATH-010	Exponents and Polynomial Operations	0.0
NC.MATH-011	Factoring Polynomials	0.0
NC.MATH-012	Rational Expressions and Equations	0.0

Certificate of Competency: Essential Intermediate Algebra Skills: Functions and Rational Exponents

Introduces students to essential intermediate algebra skills involving relations, functions, graphs, absolute value equations/inequalities, radicals, and rational expressions. Successful completion of this certificate will help students prepare for transfer-level mathematics courses.

Certificate Student Learning Outcome:
Students will be able to solve mathematical problems involving relations, functions, graphs, absolute value equations/inequalities, radicals, and rational expressions.

Program Requirements:
Units Required: 0

		Units:
NC.MATH-013	Relations, Functions, and Graphs	0.0
NC.MATH-014	Absolute Value Equations and Inequalities	0.0
NC.MATH-015	Radicals and Rational Exponents	0.0

Certificate of Competency: Essential Intermediate Algebra Skills: Quadratics, Exponentials, and Logarithms

Introduces students to essential intermediate algebra skills involving quadratic, exponential, and logarithmic equations/functions. Successful completion of this certificate will help students prepare for transfer-level mathematics courses.

Certificate Student Learning Outcome:
Students will be able to solve mathematical problems involving quadratic, exponential, and logarithmic equations/functions.

Program Requirements:
Units Required: 0

		Units:
NC.MATH-016	Quadratic Equations and Functions	0.0
NC.MATH-017	Exponential and Logarithmic Functions	0.0

Certificate of Competency: Essential Intermediate Algebra Skills: Shapes and Patterns

Introduces students to essential intermediate algebra skills involving conics, sequences, and series. Successful completion of this certificate will help students prepare for transfer-level mathematics courses.

Certificate Student Learning Outcome:
Students will be able to solve mathematical problems involving conics, sequences, and series.

Program Requirements:
Units Required: 0

		Units:
NC.MATH-018	Conic Sections	0.0
NC.MATH-019	Sequences and Series	0.0

NC.MATH-001 WHOLE NUMBERS

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic elements of the system of whole numbers and their operations. The first in the sequence of noncredit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-002 FRACTIONS AND MIXED NUMBERS

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic elements of fractions, mixed numbers, and their operations. The second in the sequence of noncredit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-003 DECIMAL NUMBERS

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic elements of the system of decimal numbers and their operations. The third in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-004 PERCENTAGES

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic concepts of percentages and their applications. The fourth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-005 RATES AND PROPORTIONS

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces methods of solving problems involving rates, proportions, and other applications. The fifth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-006 SIGNED NUMBERS

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the system of integers and operations involving positive and negative numbers. The sixth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

Continued on the next page.

NC.MATH-007 ALGEBRAIC EXPRESSIONS

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic concepts of algebraic expressions and their operations. The seventh in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-008 GRAPHS AND LINES

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic elements of the coordinate plane, graphs, and equations of lines. The eighth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-009 LINEAR SYSTEMS

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic techniques used in solving linear systems of equations. This is the ninth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-010 EXPONENTS AND POLYNOMIAL OPERATIONS

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic properties of exponents and polynomial operations. This is the tenth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-011 FACTORING POLYNOMIALS

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic techniques for factoring polynomials. This is the eleventh in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-012 RATIONAL EXPRESSIONS AND EQUATIONS

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces how to simplify rational expressions and solve rational equations. This is the twelfth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-013 RELATIONS, FUNCTIONS, AND GRAPHS

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic techniques used for relations, functions, and graphs. This is the thirteenth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-014 ABSOLUTE VALUE EQUATIONS AND INEQUALITIES

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic techniques used in solving absolute value equations and inequalities. This is the fourteenth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-015 RADICALS AND RATIONAL EXPONENTS

10.00 – 14.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic techniques for performing various operations involving radicals and rational exponents This is the fifteenth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-016 QUADRATIC EQUATIONS AND FUNCTIONS

8.00 – 12.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic techniques used in solving quadratic equations with a variety of methods and graphing quadratic functions. This is the sixteenth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-017 EXPONENTIAL AND LOGARITHMIC FUNCTIONS

8.00 – 12.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic techniques used in analyzing exponential and logarithmic functions. This is the seventeenth course in the sequence of non-credit developmental mathematics modules is designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-018 CONIC SECTIONS

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic techniques used in analyzing conics. This is the eighteenth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

NC.MATH-019 SEQUENCES AND SERIES

6.00 – 10.00 hours

Prerequisite: Concurrent enrollment in a transfer level mathematics course or eligibility per California Education Code 78213 required

Introduces the basic techniques used in analyzing sequences and series. This is the nineteenth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses. This course may be offered open entry/open exit.

MEDIA ENTERTAINMENT ARTS

Certificate of Completion: Screenwriting Fundamentals

The Screenwriting Fundamentals certificate provides students with a strong foundation in the art and craft of writing for the screen. Students begin with fundamentals of screenwriting, where they learn core principles of story structure, character development, dialogue, and format. Students then progress to advanced screenwriting, applying these skills to develop and workshop original scripts. Upon completion, students will be prepared to continue honing their craft for film, television, or digital media projects.

Certificate Student Learning Outcome:

Students will be able to:

— Apply foundational principles of screenwriting, such as structure, character development, dialogue, and formatting to the creation of original short and feature-length scripts.

— Develop and refine screenplays through advanced writing techniques, peer workshops, and instructor feedback, demonstrating readiness for professional or academic pathways in film, television, or digital media writing.

Program Requirements:

Units Required: 0

		Units:
NC.MEA-108	Scriptwriting Fundamentals	0.0
NC.MEA-208	Advanced Screenwriting	0.0

NC.MEA-108 SCRIPTWRITING FUNDAMENTALS

45.00 – 60.00 hours

Presents writing for film, television, and electronic media and surveys standard industry script formats for commercials, broadcast, film and television narratives. This course may be taken for a letter grade.

NC.MEA-208 ADVANCED SCREENWRITING

45.00 – 60.00 hours

Recommended Preparation: NC.MEA-108

Explores advanced techniques to complete a professional, polished feature film screenplay. Course will examine character development, dialogue and exploring genres and will also explore pitching, marketing, business and legal aspects of screenwriting. This course may be taken for a letter grade.

Continued on the next page.

MEDICAL SCRIBE

Certificate of Completion: Medical Scribe

Provides students with hands-on training to gain knowledge, skills, and abilities needed for entry-level employment as medical scribes. This certificate will include a comprehensive study of medical terminology and preparation for documentation of patient medical records using electronic medical records systems in a variety of clinical settings. It is recommended that students type at least 35 words per minute before enrolling in this program.

Certificate Student Learning Outcome:
Students will be able to demonstrate the knowledge, skills, and professionalism of a competent entry level medical scribe to accurately prepare real-time medical documentation using correct medical terminology.

Program Requirements:
Units Required: 0

		Units:
Required Courses:		
NC.HLTH-249	Medical Terminology	0.0
NC.HLTH-250	Medical Scribe	0.0

NC.HLTH-249 MEDICAL TERMINOLOGY

54.00 hours

Presents a comprehensive study of medical terminology, emphasizing determining meanings by dividing words into their component parts. Basic anatomy and physiology are discussed. Correct spelling, pronunciation and meaning of common medical terms related to individual body systems, clinical procedures, laboratory tests and pathological conditions are covered. This course may be taken for a letter grade.

NC.HLTH-250 MEDICAL SCRIBE

48.00 – 54.00 hours

Prerequisite: NC.HLTH-249 or HLHSCI-249

Provides students with hands-on training to gain knowledge, skills, and abilities needed for entry-level employment as medical scribes in specialty clinics and hospitals where they collect the needed records in real-time. Prepares medical scribes to document visit details such as symptoms, case history, diagnostic tests, medications, and other records in an electronic medical record platform. It is recommended that students type at least 35 words per minute.

NURSING

Certificate of Completion: Introduction to Healthcare and Nursing Assistant Skills

Designed for individuals exploring careers in nursing and allied health fields. This noncredit program provides foundational knowledge and practical skills essential for success in health care environments. Students gain hands-on experience in basic patient care within a simulated lab setting, learn medical terminology used across health disciplines, and develop professional and interpersonal competencies necessary for effective teamwork in clinical and community settings. Upon completion, students will be prepared for entry-level positions such as patient care assistants or health care support staff and will have a strong foundation for advancing into credit nursing or health science programs.

Certificate Student Learning Outcome:
Students will be able to demonstrate foundational patient care, medical terminology, and professional competencies required for employment readiness and transition to credit-bearing nursing and/or health-related programs.

Program Requirements:
Units Required: 0

		Units:
NC.NURS-001	Nursing Assistant Training	0.0
NC.HLTH-011	Health Professions Workforce Skills	0.0
NC.HLTH-249	Medical Terminology	0.0

Certificate of Completion: Nursing Skills Lab

Provides individualized and group activities for the practice of nursing in a controlled setting to promote proficiency in delivering nursing care in the clinical setting. Expands upon the theoretical concepts taught and provides learning assistance for the following nursing courses: Nursing 050, 109, 112, 114, 124, 126, 130, 212, 234, 236, 240, 250. Students are required to take two courses: NC.NURS 081 Nursing Skills Lab: Intermediate and NC-NURS 082 Nursing Skills Lab: Advanced. Additionally students must choose one of three elective courses to receive the certificate of completion. The electives include: NC.NURS 083 Nursing Skills Lab: Review, NC.NURS 084 Nursing Skills Lab: Maternal Child Health, or NC.NURS 085 Nursing Skills Lab: Psychiatric.

Certificate Student Learning Outcome:
Students will be able to demonstrate intermediate and advanced nursing related psychomotor and critical thinking skills while applying theoretical concepts to simulated situations.

Program Requirements:
Units Required: 0

		Units
NC.NURS-081	Nursing Skills Lab: Intermediate	0.0
NC.NURS-082	Nursing Skills Lab: Advanced	0.0

Plus one of the three following courses.
Must complete a minimum of 5 hours:

NC.NURS-083	Nursing Skills Lab: Review	0.0
NC.NURS-084	Nursing Skills Lab: Maternal Child Health	0.0
NC.NURS-085	Nursing Skills Lab: Psychiatric	0.0

Certificate of Completion: Nursing Success

Expands on students' critical thinking skills focusing on the fundamentals of nursing, maternal newborn and pediatric nursing, psychiatric nursing, and advanced surgical nursing.

Certificate Student Learning Outcome:
Students will be able to:

— Utilize the nursing process while demonstrating key nursing concepts and integrating critical thinking, patient-centered care, communication, and safety.
— Analyze the pathophysiology of a variety of disorders and stages of development while preparing for the National Council Licensure Examination (NCLEX).

Program Requirements:
Units Required: 0

		Units
Take three of the six following courses:		
NC.NURS-089	Success in Fundamental Nursing	0.0
NC.NURS-092	Success in Beginning Medical/Surgical Nursing	0.0
NC.NURS-093	Success in Maternal Newborn and Pediatric Nursing	0.0
NC.NURS-094	Success in Psychiatric Nursing	0.0
NC.NURS-095	Success in Intermediate Medical/Surgical Nursing	0.0
NC.NURS-096	Success in Advanced Medical/Surgical Nursing	0.0

NC.NURS 001 NURSING ASSISTANT TRAINING

60.00 – 80.00 hours

Presents the fundamental nursing skills needed to care for patients in a hospital and/or long-term care facility. Includes theory and clinical practice in the nursing skills lab. Emphasizes the role and responsibilities of the nurse assistant that include safety principles, infection control, basic patient care skills, and psychosocial and spiritual needs of the patient. Field trips are not required.

NC.NURS-081 NURSING SKILLS LAB: INTERMEDIATE

1.00 – 300.00 hours

Provides nursing students the hands-on opportunity to apply their skills in a safe and controlled environment. Students will work individually and in groups to learn and master the skills they need to provide nursing care in a real-world clinical setting. The course will expand on the theoretical concepts taught in first and second semester nursing courses. Students must be enrolled in the Nursing program at College of the Canyons. This course may be offered open entry/open exit.

NC.NURS-082 NURSING SKILLS LAB: ADVANCED

1.00 – 300.00 hours

Provides nursing students the hands-on opportunity to apply their advanced skills in a safe and controlled environment. Students will work individually and in groups to learn and master the skills they need to provide nursing care in a real-world clinical setting. The course will expand on the theoretical concepts taught in third and fourth semester nursing courses. Students must be enrolled in the Nursing program at College of the Canyons. This course may be offered open entry/open exit.

NC.NURS-083 NURSING SKILLS LAB: REVIEW

1.00 – 50.00 hours

Provides nursing students hands-on opportunity to review their advanced skills in a safe and controlled environment. Students will work individually and in groups to learn and master the skills they need to provide nursing care in a real-world clinical setting. The course will revisit and expand on the theoretical concepts for the following nursing courses: Nursing 050, 109, 112, 114, 124, 126, 130, 212, 234, 236, 240, & 250. Students must be enrolled in the Nursing program or the Certified Nursing Assistant program at College of the Canyons or be assigned the class as a remediation plan in order to return to the program. This course may be offered open entry/open exit.

NC.NURS-084 NURSING SKILLS LAB: MATERNAL CHILD HEALTH

1.00 – 50.00 hours

Provides nursing students the chance to practice their maternal child health nursing skills in a safe and controlled environment. Students will work individually and in groups to learn and master the skills they need to provide maternal child health nursing care in a real-world clinical setting. The course will cover the theoretical concepts taught in Nursing 236: Maternal Child Health. Students must be enrolled in the Nursing program at College of the Canyons or be assigned the class as a remediation plan in order to return to the program. This course may be offered open entry/open exit.

Continued on the next page.

NC.NURS-085 NURSING SKILLS LAB: PSYCHIATRIC

1.00 – 50.00 hours

Provides nursing students the chance to practice their psychiatric nursing skills in a safe and controlled environment. Students will work individually and in groups to learn and master the skills they need to provide maternal child health nursing care in a real-world clinical setting. The course will cover the theoretical concepts taught in Nursing 126: Psychiatric Nursing. Students must be enrolled in the Nursing program at College of the Canyons or be assigned the class as a remediation plan in order to return to the program. This course may be offered open entry/open exit.

NC.NURS-089 SUCCESS IN FUNDAMENTAL NURSING

15.00 – 21.00 hours

Co-Requisite: NURSNG-112 and 114.

Expands on students' critical thinking skills focusing on content from NURSNG 112 & 114. Units do not apply to the associate degree. This course may be offered open entry/open exit.

NC.NURS-092 SUCCESS IN BEGINNING MEDICAL/SURGICAL NURSING

8.00 – 12.00 hours

Co-Requisite: NURSNG-124

Expands on critical thinking skills focusing on content from NURSNG-124 through the study of pathophysiology and nursing care related healthcare alterations such as diabetes, gastrointestinal, and reproductive disorders. Units do not apply to the associate degree. Must be accepted into the Nursing program. This course may be offered open entry/open exit.

NC.NURS-093 SUCCESS IN MATERNAL NEWBORN AND PEDIATRIC NURSING

7.00 – 11.00 hours

Co-requisite: NURSNG-236

Expands on students' critical thinking skills focusing on content from NURSNG-236. Units do not apply to the associate degree. Offered pass/no-pass only. This course may be offered open entry/open exit.



NC.NURS-094 SUCCESS IN PSYCHIATRIC NURSING

7.00 – 11.00 hours

Co-requisite: NURSNG-126

Expands on students' critical thinking skills focusing on content from NURSNG-126. Units do not apply to the associate degree. Offered pass/no-pass only. This course may be offered open entry/open exit.

NC.NURS-095 SUCCESS IN INTERMEDIATE MEDICAL/SURGICAL NURSING

8.00 – 12.00 hours

Co-Requisite: NURSNG-234

Expands on critical thinking skills focusing on content from NURSNG-234 through the study of pathophysiology and nursing care related healthcare alterations such as oxygenation, tissue perfusion, and cognition problems. Units do not apply to the associate degree. Must be accepted into the Nursing program. This course may be offered open entry/open exit.

NC.NURS-096 SUCCESS IN ADVANCED MEDICAL/SURGICAL NURSING

15.00 – 21.00 hours

Co-requisite: NURSNG-240

Expands on students' critical thinking skills focusing on content from NURSNG-240. Units do not apply to the associate degree. Offered pass/no-pass only. This course may be offered open entry/open exit.

OCCUPATIONAL THERAPY ASSISTANT

Certificate of Completion: Career Preparation for Occupational Therapy Assistants

Prepares students for the National Exam for Occupational Therapy Assistants through targeted test-taking strategies, application of clinical and didactic knowledge to case study questions, and practice exams. Also provides training to ensure the delivery of high-quality care in the health professions. An emphasis will be placed on communication strategies, workplace ethics and professionalism, managing stress, health profession employability skills, and self-reflection for lifelong learning and growth.

Certificate Student Learning Outcome:
Students will be able to demonstrate readiness for the National Certification Exam by preparing for and completing a national practice exam.

Program Requirements:
Units Required: 0

		Units:
NC.OTA-232	Exam Preparation for Occupational Therapy Assistants	0.0

NC.HLTH-011 Health Professions Workforce Skills 0.0

NC.OTA-232 EXAM PREPARATION FOR OCCUPATIONAL THERAPY ASSISTANTS

16.00 hours - 24.00 hours

Prerequisite: OTA-232

Prepares students for the National Exam for Occupational Therapy Assistants through targeted test-taking strategies, application of clinical and didactic knowledge to case study questions, and practice exams. Admission to the Occupational Therapy Assistant program is required. This course may be taken for a letter grade.

OLDER ADULT

NC.OAD-001 LIFESTYLE AND HEALTHY FOR OLDER ADULTS

18.00 hours – 54.00 hours

Examines issues of aging and the related concerns of the older adult, emphasizing the age-specific challenges associated with health, law, finances, as well as personal and social relationships. Includes information on caregiving and assisting self and others with ongoing health conditions.

NC.OAD-002 BRAIN FITNESS FOR OLDER ADULTS

18.00 hours – 54.00 hours

Introduces older adults to the principles of cognitive longevity and brain fitness. Explores how the brain adapts through neuroplasticity and investigates practical strategies including memory techniques, attention training, and lifestyle interventions to enhance mental clarity. Emphasizes habit formation and daily application, culminating in a personalized wellness plan designed to optimize cognitive performance and overall well-being.

NC.OAD-003 UNDERSTANDING ALZHEIMER'S DISEASE FOR OLDER ADULTS

18.00 hours – 54.00 hours

Introduces older adults to the biological and social impacts of Alzheimer's disease on cognitive function and daily life. Distinguish between early warning signs from normal aging, navigate the stages of the disease, and implement effective care strategies for families. Emphasis is placed on evidence-based prevention, exploring how neuroplasticity, cognitive engagement, and proactive lifestyle choices can mitigate risk and support long-term brain health.

NC.OAD-007 THEATRE APPRECIATION FOR OLDER ADULTS

6.00 hours – 18.00 hours

Experience live theatre performances while fostering a deeper appreciation for the magic of theatre. Students will explore the history of this art form, connecting it to their present lives and the experiences of young and older adults, while observing how theatre can provide cognitive, social, and physical benefits. This course will allow students to see and experience theatre through the lens of the: director, actor, critic, and audience.

NC.OAD-008 CREATIVE EXPRESSION THROUGH ACTING FOR OLDER ADULTS

18.00 hours – 54.00 hours

Develops skills in creative expression for older adults through acting and storytelling. Acting and storytelling topics explored may include solo performance, improvisation, scene work and/or musical theatre. End of class public performance may be offered.

NC.OAD-009 AUTOBIOGRAPHICAL STORYTELLING THROUGH THE ONE PERSON SHOW FOR OLDER ADULTS

18.00 hours – 54.00 hours

Develops storytelling skills through writing and performing/reading an original solo piece. Utilize reminiscing, spontaneous writing, improvisation, and instructor/group feedback to improve writing and performance skills. End of class performances or readings may be offered.

NC.OAD-010 AQUATIC FITNESS FOR OLDER ADULTS

18.00 hours – 54.00 hours

Examines the theory and practice of aquatic fitness for older adults. The physical and mental wellbeing of older adults is improved through aerobic conditioning, strength training, and stretch activities in a water environment. Swim skills are not required.

NC.OAD-011 DRAWING FOR OLDER ADULTS

18.00 hours – 54.00 hours

Explores perceptual and technical skills of drawing. Create an original drawing using various drawing techniques including dry and fluid media for the older adult population. Focus on single objects, still life, and landscape.

NC.OAD-012 WATERCOLOR FOR OLDER ADULTS

18.00 hours – 54.00 hours

Introduces older adult students to the basic techniques and strategies for creating original works with watercolor. An emphasis will be placed on composition, color mixing, watercolor application, and color theory.

NC.OAD-013 YOGA FOR OLDER ADULTS

18.00 hours – 54.00 hours

Introduces essential yoga poses for older adults to promote overall healthy aging. An emphasis will be placed on restorative yoga poses to improve physical fitness and health. Relaxation techniques for stress management will also be covered.

NC.OAD-014 BOOK BINDING AND BOOK DESIGN FOR OLDER ADULTS

18.00 hours – 36.00 hours

Introduction to book binding, including Western and Eastern techniques, materials, book structure, and design.

NC.OAD-015 RELIEF AND MONOTYPE PRINTMAKING FOR OLDER ADULTS

18.00 hours – 36.00 hours

Explores the fundamental techniques of relief and monotype printmaking. Students will learn about materials, design principles, and both hand-printing and press-based methods.

NC.OAD-016 LINE DANCING FOR OLDER ADULTS

18.00 hours – 54.00 hours

Explores the fundamentals of line dancing in a welcoming and inclusive environment. Participants will learn a range of steps and patterns to improve coordination, balance, and cardiovascular health, while promoting an active lifestyle and fostering social connections through music and dance.

NC.OAD-020 CURRENT EVENTS AND ISSUES IMPACTING OLDER ADULTS

18.00 hours – 54.00 hours

Analyze and discuss current events and issues impacting older adults with an emphasis on improving communication and critical thinking skills.

NC.OAD-080 PHOTOGRAPHY FOR OLDER ADULTS

8.00 hours – 27.00 hours

Explores the technical skills used in photography emphasizing the compositional guidelines that create an image. Includes downloading, organizing, sharing and emailing images. It is recommended that students have access to a camera: including DSLR, smartphone, or point and shoot camera. Field trips may be required.

NC.OAD-081 PHOTOGRAPHIC PRESENTATIONS FOR OLDER ADULTS

8.00 hours – 27.00 hours

Explores techniques to create digital visual/audio presentations and slide shows. Field trips may be required.

NC.OAD-082 PHOTOGRAPHING NATURE FOR OLDER ADULTS

8.00 hours – 27.00 hours

Introduces technical skills for photographing nature, including image composition techniques and file management. It is recommended that students have access to DLSR, smartphone, or point and shoot camera. Field trips may be required

NC.OAD-083 PHOTOGRAPHING PEOPLE FOR OLDER ADULTS

8.00 hours – 27.00 hours

Introduces technical skills for photographing people, including image composition techniques and file management. It is recommended that students have access to DLSR, smartphone, or point and shoot camera. Field trips may be required.

NC.OAD-100 FITNESS AND WELLNESS FOR OLDER ADULTS

18.00 hours – 54.00 hours

Examines the theory and practice of health and skill-related physical fitness activities for older adults with an emphasis on maintaining independence in daily activities. Improves physical and mental wellbeing through life-sustaining exercise strategies and discussions on disease and injury prevention.

PARALEGAL

Certificate of Completion: Certified Paralegal Exam Test Preparation

This certificate is designed to prepare students and paralegals for the NALA Certified Paralegal Exam: Knowledge section and Skills section. The use of the Certified Paralegal (CP) credential signifies that a paralegal can provide superior services to firms and corporations. The CP credential has been acknowledged by the American Bar Association as a mark of high professional achievement, and the certification helps advance paralegals in their careers and professional development. These study courses are not affiliated with the ABA-approved Paralegal Studies degree and certificate.

Certificate Student Learning Outcome:
Students will be able to demonstrate the knowledge and skills for the NALA Certified Paralegal Exam.

Program Requirements:
Units Required: 0

Units:

Required Courses:

NC.PLGL-001	Test Preparation for Certified Paralegal Exam: Knowledge Section	0.0
NC.PLGL-002	Test Preparation for Certified Paralegal Exam: Skills Section	0.0

Certificate of Completion: Mock Trial

Provides instruction in professional communication and advocacy skills applicable to workplace and legal settings. Students learn to research, organize, and deliver effective oral presentations, with emphasis on speech preparation, public speaking techniques, and professional presence. Through simulated exercises culminating in a mock trial, students develop understanding of courtroom procedure, evidence, teamwork, and persuasive advocacy. The program prepares participants to communicate with confidence and professionalism in diverse occupational and legal environments.

Certificate Student Learning Outcome:
Students will be able to prepare and deliver professional oral presentations and demonstrate effective advocacy skills by participating in simulated workplace and courtroom settings

Program Requirements:
Units Required: 0

Units:

Required Courses:

NC.PLGL-003	Mock Trial	0.0
NC.CSKL-014	Public Speaking in the Workplace	0.0

NC.PLGL-001 TEST PREPARATION FOR CERTIFIED PARALEGAL EXAM: KNOWLEDGE SECTION

20.00 hours – 24.00 hours

Prepares students to take the Knowledge section of the Certified Paralegal Exam administered through the National Association of Legal Assistants (NALA), The Paralegal Association. Covers the United States legal system, civil litigation, contracts, corporate and commercial law, criminal law and procedure, torts, property and estate law, bankruptcy, and ethics. Develops a study plan and utilizes practice exam questions. This study course is not affiliated with the ABA-approved Paralegal Studies program at College of the Canyons. The NALA CP® Exam creators do not develop or deliver any CP® Exam study materials. Producers of study materials do not have access to actual CP® Exam content. Use of any suggested study materials does not guarantee success on the CP® Exam.



NC.PLGL-002 TEST PREPARATION FOR CERTIFIED PARALEGAL EXAM: SKILLS SECTION

16.00 hours – 20.00 hours

Prepares students to take the Skills section of the Certified Paralegal Exam administered through the National Association of Legal Assistants (NALA), The Paralegal Association. Covers writing and critical thinking, including grammar, spelling, punctuation, clarity of expression, reading and comprehension, analysis of information, and decision making. Sample exam questions will be based on a hypothetical case, and students will be expected to analyze relevant legal material as well as demonstrate strong writing skills. This study course is not affiliated with the ABA-approved Paralegal Studies program at College of the Canyons. The NALA CP® Exam creators do not develop or deliver any CP® Exam study materials. Producers of study materials do not have access to actual CP® Exam content. Use of any suggested study materials does not guarantee success on the CP® Exam.

NC.PLGL-003 MOCK TRIAL

36.00 hours

Introduces students to the structure, strategy, and performance of a courtroom trial. Through simulated exercises and a culminating mock trial, students develop an understanding of trial procedure, evidence, courtroom etiquette, and persuasive advocacy. Emphasis is placed on teamwork, critical analysis, and professional presentation consistent with legal practice.

PERSONAL CARE AIDE

Certificate of Completion: Personal Care Aide Training

The Personal Care Aide Training certificate will be used to train workers who provide personal care services in people's homes or in assisted living, or other residential facilities, and as a first level of training to prepare workers for jobs in nursing facilities and home health care agencies.

Certificate Student Learning Outcome:
Students will be able to demonstrate the skills needed by a personal care aide using employability skills for individuals working in health professions.

Program Requirements:
Units Required: 0

Units:

Required Courses:

NC.HLTH-001	Adult and Pediatric CPR, First Aid, and AED	0.0
NC.HLTH-010	Personal Care Aide	0.0
NC.HLTH-011	Health Professions Workforce Skills	0.0

Continued on the next page.

PERSONAL TRAINER

Certificate of Completion: Personal Trainer Preparation

The Personal Trainer Preparation Certificate of Completion is designed to prepare students for the Certified Personal Trainer exam through the National Strength and Conditioning Association (NCSA). Students will learn the basics for instructing and coaching individuals in an exercise setting, as well as the CPR and first aid skills needed when working as a personal trainer.

Certificate Student Learning Outcome:
Students will be able to utilize knowledge of anatomical, physiological, and nutritional components and coaching principles to formulate a safe personal training workout for people of all ages and prepare for the National Strength and Conditioning Association Personal Training Exam.

Program Requirements:

Units Required: 0

		Units
NC.HLTH-001	Adult and Pediatric CPR, First Aid, and AED	0.0
NC.HLTH-002	Personal Trainer Certificate Preparation	0.0
NC.HLTH-003	Principles of Coaching	0.0

NC.HLTH-001 ADULT AND PEDIATRIC CPR, FIRST AID, AND AED

5.00 – 16.00 hours

Presents the skills needed to recognize and respond to a variety of first aid, breathing, and cardiac emergencies involving adults, children, and infants. Upon successful completion of this course, students will receive a digital American Red Cross certificate for adult and pediatric CPR, first aid, and AED (valid for two years) for an additional fee. Obtaining the American Red Cross certificate for adult and pediatric CPR, first aid, and AED meets OSHA/workplace requirements.



NC.HLTH-002 PERSONAL TRAINER CERTIFICATION PREPARATION

36.00 hours

Prepares students to enter the field of personal training and take the Certified Personal Trainer (CPT) exam through the National Strength and Conditioning Association (NSCA). Covers methods of client assessment, measurement, and evaluation. Highlights include resistance training program design, nutrition, body composition, cardiorespiratory fitness, and proper weight training exercise fundamentals and spotting techniques.

NC.HLTH-003 PRINCIPLES OF COACHING

12.00 hours

Examines the practice of coaching individuals and teams. Emphasizes the teaching of skills, injury prevention, team dynamics, and the development of a personal coaching philosophy.

NC.HLTH-010 PERSONAL CARE AIDE

75.00 – 80.00 hours

Preparation to assist older adults, individuals with disabilities, and those with chronic health issues including Alzheimer's Disease and dementia. An emphasis will be placed on understanding the roles and responsibilities of a personal care aide, communication skills, assisting with activities of daily living, maintenance of a healthy environment, basic nutrition, safe transfer techniques, and procedures for medical emergencies.

NC.HLTH-011 HEALTH PROFESSIONS WORKFORCE SKILLS

8.00 – 12.00 hours

Provides training to ensure the delivery of high-quality care in the health professions. An emphasis will be placed on communication strategies, workplace ethics and professionalism, managing stress, health profession employability skills, and self-reflection for lifelong learning and growth.

PHOTOGRAPHY

Certificate of Completion: Digital Photographic Camera and Composition Fundamentals

The Digital Photographic Camera and Composition Fundamentals Certificate trains students to develop the skills needed to gain an accurate understanding of basic operation of digital cameras, lenses, and storage media as well as appropriate critical and aesthetic standards of photographic composition. Each related course is designed and taught to develop and improve competencies required for employment in the photographic industry.

Certificate Student Learning Outcome:
Students will be able to demonstrate and apply the basic operation of digital camera equipment and fundamental principles of photographic composition.

Program Requirements:
Units Required: 0

		Units
NC.PHOT-050	Fundamentals of Digital Camera Equipment	0.0
NC.PHOT-052	Fundamentals of Photographic Composition	0.0
NC.PHOT-059	Lab Practices for the Digital Darkroom	0.0

Certificate of Completion: Digital Photographic Camera and Manual Exposure Fundamentals

The Digital Photographic Camera and Manual Exposure Fundamentals Certificate trains students to develop the skills needed to gain an accurate understanding of basic operation of digital cameras, lenses, and storage media as well as the fundamental technical principles of photographic exposure. Each related course is designed and taught to develop and improve competencies required for employment in the photographic industry.

Certificate Student Learning Outcome:
Students will be able to demonstrate and apply the basic operation of digital camera equipment and fundamental principles of photographic exposure.

Program Requirements:
Units Required: 0

		Units
NC.PHOT-050	Fundamentals of Digital Camera Equipment	0.0
NC.PHOT-051	Fundamentals of Photographic Exposure	0.0
NC.PHOT-059	Lab Practices for the Digital Darkroom	0.0

Certificate of Completion: Digital Photographic Project Fundamentals

The Digital Photographic Project Fundamentals Certificate trains students in the proper procedures and practices for operation of digital cameras, principles of photographic exposure, critical and aesthetic standards, and project development needed to complete assignments in the photographic industry. Each related course is designed and taught to develop and improve competencies required for employment in the photographic industry.

Certificate Student Learning Outcome:
Students will be able to demonstrate and apply the basic technical skills and fundamental principles for development of digital photographic projects.

Program Requirements:
Units Required: 0

		Units
NC.PHOT-050	Fundamentals of Digital Camera Equipment	0.0
NC.PHOT-051	Fundamentals of Photographic Exposure	0.0
NC.PHOT-052	Fundamentals of Photographic Composition	0.0
NC.PHOT-059	Lab Practices for the Digital Darkroom	0.0
NC.PHOT-099	Independent Projects in Photography	0.0

NC.PHOT-050 FUNDAMENTALS OF DIGITAL CAMERA EQUIPMENT

8.00 hours

Explores proper procedures and practices for basic operation of digital cameras, lenses, and storage media for photographic images. It is recommended that students provide a digital camera capable of fully manual exposure and adjustment.

NC.PHOT-051 FUNDAMENTALS OF PHOTOGRAPHIC EXPOSURE

8.00 hours

Recommended Preparation: NC.PHOT-050

Introduces fundamental principles of manual photographic exposure. It is recommended that students provide a digital SLR camera capable of manual camera control.

NC.PHOT-052 FUNDAMENTALS OF PHOTOGRAPHIC COMPOSITION

8.00 hours

Recommended Preparation: NC.PHOT-050

Introduces appropriate aesthetic standards in the composition of the photographic image. It is recommended that students provide a digital camera capable of fully manual exposure and adjustment.

NC.PHOT-059 LAB PRACTICES FOR THE DIGITAL DARKROOM

24.00 hours

Recommended Prerequisite: NC.PHOT-050

Apply basic importing, processing, and printing of digital images utilizing photography lab equipment and digital darkroom facilities. It is recommended that students provide a digital camera capable of fully manual exposure and adjustment.

NC.PHOT-201 INDEPENDENT PROJECTS IN PHOTOGRAPHY

110.00 – 140.00 hours

Recommended Preparation: NC.PHOT-050, NC-PHOT-051, and NC.PHOT-052

Provides intermediate and advanced photography students an opportunity to research, propose, revise and complete individual photographic projects.

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PHYSICAL THERAPIST ASSISTANT

Certificate of Completion: Fundamentals of Anatomy and Physiology for Movement Professionals

Provides students with a structured review of essential human anatomy and physiology concepts needed for success in movement science professional programs such as Physical Therapist Assistant (PTA) and/or Occupational Therapy Assistant (OTA) or for any movement professionals who require a review of human anatomy and physiology. This certificate is designed for candidates who have previously completed college-level anatomy and physiology with laboratory. Through focused noncredit review courses, students refresh critical knowledge of body systems, muscular origins/insertions/actions/innervations, functional relationships, and foundational principles to ensure readiness for admission and progression in allied health training programs.

Certificate Student Learning Outcome:
Students will be able to analyze and apply fundamental human anatomy and physiology concepts to predict functional movement performance and common rehabilitation outcomes in diverse patient populations.

Program Requirements:
Units Required: 0

		Units:
NC.PTA-040	Physiology Review for Movement Professionals	0.0
NC.PTA-041	Anatomy Review for Movement Professionals	0.0

Certificate of Completion: Physical Therapist Assistant Essential Lab Skills

Provides individualized and group activities for practice by Physical Therapist Assistants (PTAs) under the direction and supervision of a physical therapist in a controlled setting to promote proficiency in delivering physical therapy in common clinical settings with conditions typically encountered in patients across the lifespan. Expands on theoretical concepts taught and provides learning assistance in the following courses: PTA 105, 105L, 110, 120, 120L, 130, 201, 201L, 205, 220, 220L, 225, 240, 240L, 242, 242L, 244, 244L.

Certificate Student Learning Outcome:
Students will be able to demonstrate beginning, intermediate, and/or advanced physical therapy related psychomotor and critical thinking skills while applying theoretical concepts to simulated situations.

Program Requirements:
Units Required: 0

		Units:
NC.PTA-080	PTA Skills Lab – Beginning	0.0
NC.PTA-085	PTA Skills Lab – Intermediate	0.0
NC.PTA-090	PTA Skills Lab – Advanced	0.0
NC.PTA-095	PTA Skills Lab – Review	0.0
NC.PTA-097	PTA Skills Lab – Board Exam Prep	0.0

NC.PTA-040 PHYSIOLOGY REVIEW FOR MOVEMENT PROFESSIONALS

36.00 – 54.00 hours

Reviews key physiological principles relevant to human movement and rehabilitation. Topics include neuromuscular control, biomechanics, cardiovascular and respiratory physiology, energy systems, and clinical applications to exercise and therapeutic practice. Designed for those who have previously completed anatomy and physiology with lab but need to refresh their knowledge to meet program recency requirements. This course is designed for students who have previously completed physiology with lab and need a refresher to support success in the PTA and/or OTA programs or for any movement professionals who require a review of human physiology.

NC.PTA-041 ANATOMY REVIEW FOR MOVEMENT PROFESSIONALS

36.00 – 54.00 hours

Reviews foundational human anatomy with emphasis on the musculoskeletal, nervous, and other major organ systems relevant to movement and rehabilitation. Students will revisit structural relationships and anatomical terminology essential for success in movement science programs. Designed for those who have previously completed anatomy and physiology with lab but need to refresh their knowledge to meet program recency requirements; support their success in the PTA and/or OTA programs; or for any movement professionals who require a review of human physiology.



NC.PTA-080 PTA SKILLS LAB - BEGINNING

1.00 – 160.00 hours

Provides Physical Therapist Assistant (PTA) students the hands-on opportunity to apply their skills in a safe and controlled environment. Students will work individually and in groups to master the skills they need to provide basic patient care in clinical settings, under the direction and supervision of a Physical Therapist. The course will expand on theoretical concepts taught in first semester PTA courses. Students must be enrolled in the PTA Program at College of the Canyons.

NC.PTA-085 PTA SKILLS LAB - INTERMEDIATE

1.00 – 160.00 hours

Provides Physical Therapist Assistant (PTA) students the hands-on opportunity to apply their skills in a safe and controlled environment. Students will work individually and in groups to master the skills they need to provide intermediate level patient care with patients across the lifespan in various clinical settings, under the direction and supervision of a Physical Therapist. The course will expand on theoretical concepts taught in first and second semester PTA courses. Students must be enrolled in the PTA Program at College of the Canyons.

NC.PTA-090 PTA SKILLS LAB - ADVANCED

1.00 – 160.00 hours

Provides Physical Therapist Assistant (PTA) students the hands-on opportunity to apply their skills in a safe and controlled environment. Students will work individually and in groups to master the skills they need to provide advanced level patient care with patients across the lifespan in various clinical settings, under the direction and supervision of a Physical Therapist. The course will expand on theoretical concepts taught in first, second, and third semester PTA courses. Students must be enrolled in the PTA Program at College of the Canyons.

NC.PTA-090 PTA SKILLS LAB - REVIEW

1.00 – 160.00 hours

Provides Physical Therapist Assistant (PTA) students a hands-on opportunity to review their advanced skills in a safe and controlled environment. Students will work individually and in groups to learn and master the skills they need to provide physical therapy in a real-world clinical setting. The course will revisit and expand on the theoretical concepts for the following PTA courses: PTA 105, 105L, 110, 120, 120L, 130, 201, 201L, 205, 220, 220L, 225, 240, 240L, 242, 242L, 244, 244L. Students must be enrolled in the PTA Program at College of the Canyons or be assigned the class as part of a remediation plan required in order to be approved to return to this Program after withdrawal.

NC.PTA-097 PTA SKILLS LAB - BOARD EXAM PREP

40.00 – 160.00 hours

Offers a comprehensive review for the National Physical Therapist Assistant (PTA) exam and CAL-JAM (Jurisprudence Assessment Module). This course prepares students with the knowledge and skills to meet the educational requirements for entry-level PTA positions.

PUBLIC SAFETY

NC.FIRT-001A FIRE FIGHTER IN-SERVICE TRAINING

2.00 – 500.00 hours

Provides updated information in the areas of fire apparatus, specialized emergency operations, current department policy and procedures, and fire suppression and investigation

NC.FIRT-001L FIRE FIGHTER IN-SERVICE TRAINING LAB

4.00 – 600.00 hours

Provides updated skills in the areas of fire apparatus, specialized emergency operations, current department policy and procedures, and fire suppression and investigation.

NC.FIRT-005 AERIAL APPARATUS OPERATIONS

40.00 hours

Covers preventive maintenance and operations of an aerial apparatus, and deployment and operation of an elevated master stream.

NC.FIRT-006 FIRE APPARATUS DRIVER/ OPERATOR – TILLERED APPARATUS

40.00 hours

Covers operation of a fire department aerial apparatus equipped with a tiller, including positioning and stabilizing the apparatus. Instruction includes practical driving exercises.

NC.FIRT-007 FIRE APPARATUS DRIVER/OPERATOR – WILDLAND FIRE APPARATUS OPERATIONS

24.00 hours

Covers preventive maintenance and operation of a wildland fire apparatus and production of an effective fire stream.

Continued on the next page.

NC.FIRT-008 FIRE APPARATUS DRIVER/OPERATOR - WATER TENDER OPERATIONS

27.00 hours

Covers water tender preventive maintenance and operations, including routine tests, inspections, and servicing functions unique to a water tender; maneuvering and positioning a water tender at a water shuttle fill site; and establishing, maneuvering, and positioning at a water shuttle dumpsite.

NC.FIRT-009A FIRE INVESTIGATION 1A – BASIC FIRE INVESTIGATION

39.50 hours

Provides information on securing the fire scene and determining the origin and cause of the fire. Topics include responsibilities of a fire investigator, securing the fire ground, conducting an exterior and interior survey, analyzing fire patterns, interpreting individual fire patterns, discriminating the effects of explosions, examining and removing fire debris, reconstructing the area of origin, inspecting the performance of building systems.

NC.FIRT-009B FIRE INVESTIGATION 1B – EVIDENCE AND DOCUMENTATION

33.50 hours

Provides information on scene documentation and evidence collection/preservation. Topics include photographing the scene, diagramming the scene, constructing investigative notes, processing evidence and establishing chain of custody, processing victims and fatalities, selecting evidence for analysis, maintaining a chain of custody, preparing a fire investigation report, and disposing of evidence.

NC.FIRT-009C FIRE INVESTIGATION 1C – PREPARATION FOR LEGAL PROCEEDINGS

40.00 hours

Provides information on legal considerations for a court proceeding. Topics include coordinating expert resources, formulating an opinion, presenting investigative findings, and testifying during legal proceedings.

NC.FIRT-010 FIRE APPARATUS DRIVER/ OPERATOR GENERAL

40.00 hours

Presents techniques and practice in driving emergency vehicles, basic maintenance and pre-trip inspections. This course applies to the requirements for driver/ operator as established by the California State Board of Fire Services.

NC.FIRT-011 FIRE APPARATUS DRIVER/ OPERATOR PUMP

40.00 hours

Presents updated content reflecting the 2009 NFPA 1002 standard for fire apparatus driver/operator professional qualifications. Focusing on methods for performing basic hydraulics and techniques on basic inspections, documentation, maintenance, and troubleshooting fire pumps.

NC.FIRT-012 FIRE APPARATUS DRIVER/ OPERATOR TILLER TRUCK

40.00 hours

Prerequisite: NC.FIRT-011

Covers truck operations and driver responsibilities, recognized standards, and related laws for fire apparatus.

NC.FIRT-016 INSTRUCTOR 1

40.00 hours

This is the first of a three-course series. Topics include methods and techniques for training, selecting, adapting, organizing, and using instructional materials appropriate for teaching cognitive lessons; criteria and methods to evaluate teaching and learning efficiency.

NC.FIRT-017 INSTRUCTOR 2

40.00 hours

Prerequisite: NC.FIRT-016

The second course in the Instructor series. Topics include methods and techniques for training in accordance with the latest concepts in career education; selecting, adapting, organizing, and using instructional materials appropriate for teaching psychomotor lessons; criteria methods to evaluate teaching and learning efficiently.

NC.FIRT-018 INSTRUCTOR 3

40.00 hours

Prerequisite: NC.FIRT-017

This is the third of a three-course series. Topics include a variety of methods and techniques for developing lesson plans and tests in accordance with the latest concepts in career education.

NC.FIRT-019 ETHICAL LEADERSHIP IN THE CLASSROOM

8.00 hours

Provides concepts and theories of the ethical decision making process. Helps recognition of the signs of ethical dilemma, identifies advantages and disadvantages of ethical behavior and reviews examples of classroom situations in which instructors used their leadership role to either encourage or discourage ethical behavior. Presents state fire training's instructor code of ethics/ conduct.

NC.FIRT-020 I-200 INCIDENT COMMAND SYSTEM

12.00 hours

Introduces students to the principles of the Incident Command System (ICS) associated with incident-related performance. Topics include leadership and management, delegation of authority and management by objectives, functional areas and positions, briefings, organizational flexibility, transitions, and transfers.

NC.FIRT-021 I-300 INTERMEDIATE INCIDENT COMMAND SYSTEM (ICS)

24.00 hours

Expands knowledge of ICS organization and operation with regard to supervisory roles on expanding or type 3 incidents. Includes ICS fundamentals review, incident/event assessment and agency guidance in establishing incident objectives, incident resource management, planning process, demobilization, transfer of command, and close out.

NC.FIRT-022 I-400 ADVANCED ICS

21.00 hours

Present the theories and techniques needed to manage large single-agency and complex multi-agency/multi-jurisdictional responses. Topics include fundamentals for command and general staff, major and/or complex incident/event management, area command and multi-agency coordination.

NC.FIRT-023 GPS LAND NAVIGATION TECHNICIAN

15.00 hours

Introduces land navigation techniques using a map and compass as well as navigation using a GPS unit. The lecture based class will conclude with a field exercise where students will demonstrate knowledge and skills learned.

NC.FIRT-024 L-280 FOLLOWERSHIP TO LEADERSHIP

16.00 hours

Introduces fundamental leadership concepts of the wildland fire service, focusing on the framework, values and principles that guide wildland fire leaders in providing leadership across a broad range of missions.

NC.FIRT-025 INCIDENT MANAGEMENT OF MAJOR FIRES

40.00 hours

Prerequisite: NC.FIRT-021

Provides knowledge, skills, and abilities for those who are responsible for command and control of dynamic and complex fireground emergencies.

NC.FIRT-026 S-290 INTERMEDIATE WILDLAND FIRE BEHAVIOR

32.00 hours

Second course in a series designed to prepare the prospective fireline supervisor to undertake safe and effective fire management operations and predict fire behavior.

NC.FIRT-026A S-190 INTRODUCTION TO WILDLAND FIRE BEHAVIOR

7.00 hours

Provides foundational concepts of wildland fire behavior to entry-level firefighters.

NC.FIRT-026B S-130: FIREFIGHTER TRAINING

29.00 hours

Provides basic firefighting skills to entry-level firefighters and support personnel.

NC.FIRT-027 S-390 INTRODUCTION TO WILDLAND FIRE BEHAVIOR CALCULATIONS

18.00 – 32.00 hours

Develops knowledge and skills required for effective fire behavior predictions.

NC.FIRT-028 INCIDENT MANAGEMENT OF THE FIREFIGHTER EMERGENCY

28.00 hours

Prerequisite: NC.FIRT-020 and NC.FIRT-123

Introduces incident management terminology and methodology employed during a fire fighter emergency. Classroom simulations based upon case studies allow students to participate in simulated incident command positions during a fire fighter emergency.

NC.FIRT-029 S-200 INITIAL ATTACK INCIDENT COMMANDER

16.00 hours

Prepares the student to function as an initial attack incident commander at the ITCT4 level in the incident commander system. Meets national wildlife coordinating group curriculum criteria. Prepares students for employment with wildland fire management agencies and municipal fire departments.

NC.FIRT-030 WILDLAND FIRE CHAIN SAWS

30.00 – 36.00 hours

Provides the function, maintenance and use of internal combustion engine powered chain saws, and their tactical wildland fire application. Field exercises support entry level training for firefighters with little or no previous experience in operating a chain saw, providing hands-on cutting experience in surrounding similar to fireline situations.

Continued on the next page.

NC.FIRT-031 S-215 FIRE OPERATIONS IN THE URBAN INTERFACE

24.00 hours

Designed to assist fire fighters in making tactical decisions when confronting wildland fires that threaten wildland/urban interface.

NC.FIRT-032 S-223 FIRELINE EMT

16.00 hours

Prerequisite: NC.FIRT-021 and NC.FIRT-023

Designed to meet the training needs of an incident FEMT as outlined in the Field Operations Guide, ICS 420-1, Firescope California.

NC.FIRT-033 S-230 CREW BOSS/S-231 ENGINE BOSS

32.00 hours

Prerequisite: NC.FIRT-026

Presents information and skills associated with the crew/engine boss position. Presents training from initial dispatch through demobilization to the home unit. Topics include engine and crew capabilities, information sources, fire size-up considerations, tactics, and post incident responsibilities.

NC.FIRT-035 S-219 IGNITION OPERATIONS

32.00 hours

Provides training in the functional roles and responsibilities connected with firing operations. Topics include: planning, ignition procedures and techniques, and equipment applicable to wildland and prescribed fire. Addresses the role of the ignition specialist or firing boss as the organization manages escalation from a non-complex to a complex situation.

NC.FIRT-036 S-244 FIELD OBSERVER/ S-245 DISPLAY PROCESSOR

40.00 hours

Designed to meet the training needs of a potential field observer (FOBS) and display processor. Describes navigation, mapping, and observation techniques as outlined in the Wildland Fire Qualification System Guide.

NC.FIRT-037 WILDLAND FIRE DRILLS – SPRING/GRASS

6.00 – 12.00 hours

Provides training that will reinforce communication and tactical practices between commanding officers and tactical forces utilizing live-fire and mentors in a controlled wildland environment.

NC.FIRT-037A CA-219: WILDLAND FIREFIGHTING - FIRE OPERATIONS

32.00 hours

Provides training that develops skills required to perform and hold firing operations on wildland fires and prescribed burns.

NC.FIRT-038 L-965 RESOURCE/DMOB UNIT LEADER

32.00 hours

Prerequisite: NC.FIRT-020

Introduces tools and techniques used to perform the duties of resource unit leader (RESL), and demobilization unit leader (DMOB).

NC.FIRT-039 STATUS CHECK-IN RECORDER

16.00 hours

Prerequisite: NC.FIRT-020

Introduces tools and techniques used to perform the duties of a status check-in recorder (SCKN). Provides an overview of what a student can expect if dispatched to an incident.

NC.FIRT-041 S-270 BASIC AIR OPERATIONS

16.00 hours

Introduces principles of aviation management and safety, including agency aircraft, tactical and logistical uses of aircraft, and requirements for take-off and landing areas.

NC.FIRT-042 S-271 HELICOPTER CREW MEMBER

24.00 - 26.00 hours

Provides training in all areas of the tactical and logistical use of helicopters by the fire service. Introduces air crew members to operations and provides a foundation in safe procedures.

NC.FIRT-044 S-330 AH-330, STRIKE TEAM/ TASK FORCE LEADER ALL HAZARDS (STEN/TFLD)

32.00 hours

Provides tactics and strategy as it relates to the management of a strike team or task force and meets the S-330 training requirements of the California Incident Command Certification System (CICCS) for the position of strike team/task force leader-all risk.

NC.FIRT-045 E-962 ALL HAZARDS PLANNING SECTION CHIEF

32.00 hours lecture

Provides an overview of key duties and responsibilities of a planning section chief type iii in a type iii all hazards incident management team (AHIMT).

NC.FIRT-046 L-964 SITUATION UNIT LEADER

18.00 – 80.00 hours

Designed to meet the training needs of a situation unit leader (SITL) as outlined in the Wildland Fire Qualification System Guide (PMS 310-1).

NC.FIRT-047A FIRE INSPECTOR 1A – DUTIES AND ADMINISTRATION

24.00 hours

Provides students with a basic knowledge of the roles and responsibilities of a fire inspector I including legal responsibilities and authority, codes and standards, the inspection process, confidentiality and privacy requirements, ethical conduct, permit or plan review, investigating common complaints, and participating in legal proceedings.

NC.FIRT-047B FIRE INSPECTOR 1B – FIRE AND LIFE SAFETY

24.00 hours

Provides students with a basic knowledge of fire and life safety aspects related to the roles and responsibilities of a fire inspector I including building construction, occupancy classifications, occupancy load, means of egress, hazardous conditions, fire growth potential, fire flow, and emergency planning and preparedness measures.

NC.FIRT-047C FIRE INSPECTOR 1C – FIELD INSPECTION

24.00 hours

Provides students with a basic knowledge of field inspection roles and responsibilities of a fire inspector I including basic plan review, emergency access for an existing system, hazardous materials, and the operational readiness of fixed fire suppression systems, existing fire detection and alarm systems, and portable fire extinguishers.

NC.FIRT-047D FIRE INSPECTOR 1D – FIELD INSPECTION CALIFORNIA SPECIFIC

16.00 hours

Provides students with a basic knowledge of field inspection roles and responsibilities specific to California of a fire inspector I including basic plan review, emergency access for an existing system, hazardous materials, and the operational readiness of fixed fire suppression systems, existing fire detection and alarm systems, and portable fire extinguishers.

NC.FIRT-048A FIRE INSPECTOR 2A – FIRE PREVENTION ADMINISTRATION

16.00 hours

Prerequisite: NC.FIRT-047A, 047B, 047C, 047D

Provides students with a basic knowledge of the administrative requirements related to the roles and responsibilities of a fire inspector II including processing permit and plan review applications, enforcing permit regulations, investigating complex complaints, recommending modifications to codes and standards, recommending policies and procedures for inspection services, generating written appeals correspondence, initiating legal action, evaluating inspection reports, and proposing technical reference material acquisition.

NC.FIRT-048B FIRE INSPECTOR 2B – FIRE AND LIFE SAFETY REQUIREMENTS

24.00 hours

Prerequisite: NC.FIRT-048A

Provides students with a basic knowledge of fire and life safety requirements related to the roles and responsibilities of a fire inspector II including occupancy classification, egress elements, emergency plans and procedures, occupant loads, building construction and fire growth potential.

NC.FIRT-048C FIRE INSPECTOR 2C – INSPECTING NEW AND EXISTING FIRE AND LIFE SAFETY SYSTEMS AND EQUIPMENT

24.00 hours

Prerequisite: NC.FIRT-048A

Provides students with a basic knowledge of inspection requirements related to the roles and responsibilities of a fire inspector II including inspection of life safety systems and building services equipment, fire protection systems, and emergency access criteria.

NC.FIRT-048D FIRE INSPECTOR 2D – HAZARDOUS MATERIALS, OPERATIONS, AND PROCESSES

32.00 hours

Prerequisite: NC.FIRT-048A

Provides students with a basic knowledge of hazardous materials, operations, and processes related to the roles and responsibilities of a fire inspector II including hazardous conditions, flammable and combustible liquids and gases, and hazardous materials.

NC.FIRT-056 L-954 ALL HAZARD SAFETY OFFICER

24.00 hours

Designed to meet the training needs of the safety officer position in the incident command system. Topics include safety officer effectiveness, analysis techniques, safety messages, briefings and reports, and high hazard operations.

NC.FIRT-061 J-342 DOCUMENTATION UNIT LEADER

8.00 hours

Introduces procedures for mobilization and demobilization on an incident, duplication of the IAP and requirements for maintaining incident records.

NC.FIRT-063 J-158 RADIO OPERATOR/J-257 INCIDENT COMMAND CENTER MANAGER

8.00 hours

Provides instruction and necessary skills associated with the radio operator/incident command center manager. Topics include mobilization, transfer of information, communications equipment, and demobilization.

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NC.FIRT-064 S-300 EXTENDED ATTACK

16.00 hours

Provides training to meet needs of the incident commander type 3 (ICT3). Focus is on leadership and command as they relate to the ICT3 position.

NC.FIRT-065 CONFINED SPACE RESCUE TECHNICIAN CONTINUING EDUCATION

8.00 hours

Designed for the continuing education of a confined space rescue technician. Prepares student for confined space emergency response.

NC.FIRT-066 TRENCH RESCUE TECHNICIAN

24.00 hours

Provides fire service personnel with hands-on application of the techniques necessary to safely affect a rescue from an excavation or trenching cave-in. Topics include: critical considerations while responding to trenching emergencies, evaluation of cave-in scenes, basic life support procedures and temporary protection for victims, specialized tool usage, shoring techniques, and below grade rescue safety procedures.

NC.FIRT-067 S-341 GIS SPECIALIST FOR INCIDENT MANAGEMENT

24.00 hours

Provides training to meet the needs of a geographic information systems specialist to manage the information needs of all-hazard incidents.

NC.FIRT-067A S-445: INCIDENT TRAINING SPECIALIST

16.00 hours

Provides the necessary instruction and training to personnel who qualify to become an incident training specialist.

NC.FIRT-068 FIRE BEHAVIOR – STRUCTURE FIRE ATTACK

8.00 hours

Presents hazards and situational tactics of structure firefighting. Focuses on strategies, key skills and hazardous conditions encountered on a structure fire.

NC.FIRT-069 DRIVER ENRICHMENT TRAINING

8.00 hours

Prepares students to operate an emergency motor vehicle in order to effectively save and protect lives, property, and the environment.

NC.FIRT-070 STRUCTURAL COLLAPSE SPECIALIST 1

40.00 hours

Provides training in basic search and rescue skills under the California Urban Search and Rescue Operational levels.

NC.FIRT-071 STRUCTURAL COLLAPSE SPECIALIST 2

40.00 hours

Provides advanced heavy rescue system techniques. Key topics include structural building types, wood and mechanical shores, crib capacities, floor weight calculations, building search, confined space considerations, damaged structure hazard assessment, use of small power and hand tools, air bags, and USAR ICS.

NC.FIRT-072 RESCUE SYSTEMS 3/ STRUCTURAL COLLAPSE TECHNICIAN

24.00 hours

Provides advanced training in structural collapse rescue systems. Topics include safety techniques, rescue system equipment, and structural trends.

NC.FIRT-073 CONFINED SPACE RESCUE TECHNICIAN

8.00 – 40.00 hours

Provides intensive hands-on training to prepare firefighters to respond to confined space emergencies. Topics include identifying confined spaces, permit-required confined spaces, hazards associated with permit required confined space, target industries and hazards, state and federal regulations, components of a rescue operation, and the roles and responsibilities of the rescue team.

NC.FIRT-074 RIVER AND FLOOD RESCUE 1

24.00 hours

Provides training of fire service personnel in water rescue techniques. Topics include swift water rescue, submerged vehicles, drowning, use of engine/truck company equipment for water rescue, use of rafts and boats, and underwater search and recovery.

NC.FIRT-075 ROPE RESCUE AWARENESS/ OPERATIONS

24.00 hours

Examines support resources, maintain safety equipment, demonstrate ladder rescue operations and rope and anchor systems in low and high angle environments.

NC.FIRT-077 ROPE RESCUE TECHNICIAN

40.00 hours

Provides the requirements for in-service certification of firefighters in high angle rescue situations.

NC.FIRT-078 RIVER FLOOD CE

8.00 hours

Provides additional training in river flood rescues. Consists of various selected sections of river flood 1 and 2. Topics include recognition and avoidance of common river hazards, execution of self-rescue techniques, and advanced rescue methods.

NC.FIRT-079 RIVER FLOOD RESCUE TECHNICIAN

40.00 hours

Provides training of fire service personnel in water rescue techniques. Topics include swift water rescue, submerged vehicles, drowning, use of engine/truck company equipment for water rescue, use of rafts and boats, and underwater search and recovery. In addition, this course focuses on recognition and avoidance of common river hazards, execution of self rescue techniques, advanced rescue methods used in team dynamics, victim rescues and scenarios based on real life rescues.

NC.FIRT-080 IN-SERVICE EMS

8.00 – 24.00 hours

Provides training in emergency medical skills for public safety personnel. Covers continuing education training in the areas of first aid, CPR, first responder, EMT IA EMT, NA/FS, EMT II, paramedic, paramedic in-service training, and automatic defib equipment procedures and operations.

NC.FIRT-081 HEAVY RESCUE TECHNICIAN

40.00 hours

Provides skills needed by a heavy rescue technician. Focuses on heavy rescue techniques, advanced rescue methods used in team dynamics, and scenarios based on real life rescues.

NC.FIRT-082 S-339 DIVISION/GROUP SUPERVISOR

32.00 hours

Prepares students to perform in the role of division/group supervisor and provides instruction in support of the specific tasks of the division on wildfire incidents. Topics include division/group management, organizational interaction, division level and all-hazard operations.

NC.FIRT-083 SWIFTWATER HELO

20.00 – 26.00 hours

Prerequisite: NC.FIRT-079

Designed to assist in the Awareness Level training of swiftwater helicopter rescue air crew members (ACM). Promotes standardization of search and rescue (SAR) procedures. Content includes a mixture of military and civilian practices, procedures and techniques.

NC.FIRT-084 IAFF FIRE GROUND SURVIVAL

32.00 hours

Provides the step-by-step tools to use in a MAYDAY situation or leading to the rescue, including the use of mnemonics, case studies, and life saving techniques needed to facilitate a successful MAYDAY rescue.

NC.FIRT-085 ALL-HAZARDS COMMAND TRAINING FOR INCIDENT MANAGEMENT TEAM

8.00 – 96.00 hours

Prepares Incident Management Team (mostly chief officers) in commanding a dynamic all-hazard situation including wildland fires. Focuses on the Incident Command System (ICS), key skills, and ICS forms required to create, run, and transfer command of a largescale incident.

NC.FIRT-086 RIVER FLOOD RESCUE BOAT TECHNICIAN

40.00 hours

Prerequisite: NC.FIRT-079

Focuses on proper watercraft maintenance, safety, and rescue. Provides operation techniques on rigid-hulled and inflatable small vessels in river and moving water conditions.

NC.FIRT-087 FIRE MANAGEMENT I

40.00 hours

Presents the skills and responsibilities required of first-level supervisors. Designed to prepare the student to transition from fire fighter to fire officer.

NC.FIRT-088 FIRE PREVENTION I

32.00 hours

Provides a basic knowledge of the company officer certification track and capstone task book process. Reviews skills related to the company officer's role in the fire prevention, the relationship between line safety and building construction, the elements of a quality company inspection program, and how to address complex hazards encountered during an inspection.

NC.FIRT-089 FIRE CAPTAIN ACADEMY

80.00 hours

Prerequisite: NC.FIRT-033

Prepares students to operate as a company leader and meet the challenges in managing, supervising, and training professional firefighters at the fire captain level. Encompass classroom training, in-field drills, and online pre-course work covering topics including Emergency Medical Services, structure fire operations, wildland fire operations, and management/supervision/leadership concepts.

NC.FIRT-090 COUNTY OF LOS ANGELES FIRE DEPARTMENT EXPLORER ACADEMY

96.00 – 236.00 hours

Introduces various manipulative skills associated with fire department activities such as, but not limited to; hydrant operation, hose evolutions, ladder evolutions, breathing apparatus evolutions, and tying of department approved knots. Additionally, Explorers will learn about basic fire behavior, fire chemistry and physics, classes of fires, and extinguishing techniques.

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NC.FIRT-090A LACOFD WOMEN'S FIRE PREP ACADEMY

60.00 hours

Provides candidates hands-on experience with basic duties of firefighting such as Engine Intro, Hose and Nozzle intro, Ladders, PPE/SCBA, Forcible Entry/Hand Tools and Chainsaw.

NC.FIRT-091 HAZMAT – FIRST RESPONDER OPERATIONAL REFRESHER

8.00 hours

This is a three-module FRO refresher course. Students will participate in three distinct scenarios designed to engage the various knowledge and skills required of the First Responder Operational. During these scenarios, the student will develop and implement the strategy, tactics, and tasks necessary to respond to an over-turned tanker. (306/406) Experiencing a hazardous materials leak, they will formulate and implement the strategies, tactics, and tasks necessary to rescue simulated injured workers inside a warehouse. Students will develop and implement the strategy, tactics, and tasks necessary to perform required emergency operations in a simulated hazardous situation.

NC.FIRT-091A S-130: HAZARDOUS MATERIALS INCIDENT COMMANDER

16.00 hours

Provides skills such as risk management, assessment of hazards, and legal requirements to implement protective actions to assume control of an emergency response to a hazardous materials incident.

NC.FIRT-092 COMMUNICATIONS SPECIALIST

48.00 hours

Trains personnel as task force communications specialists for DHS/FEMA's 28 US&R Task Force. Examines the Communications Specialist's responsibilities.

NC.FIRT-102 EMERGENCY MEDICAL TECHNICIAN

193.00 hours lecture, 88.00 hours lab

Prepares students for certification as an emergency medical technician, including basic, non-invasive interventions to reduce the morbidity and mortality associated with acute out-of-hospital medical and traumatic emergencies. Includes ambulance ride along.

NC.FIRT-110 HAZARDOUS MATERIALS – TECHNICIAN I

160.00 hours

Provides the instruction necessary to perform the duties as a Hazardous Materials Technician as referenced in Sub-section 5192, (q)(6) of Title 8 CCR and 29 CFR 1910.120 Sub-section (q)(6) in Modules A-D.

NC.FIRT-119 CHIEF OFFICER ANNUAL WILDLAND TRAINING

8.00 hours

Provides air and wildland personnel, camps section personnel, and all battalion chiefs with an annual refresher on all aspects of wildland firefighting including expectations of the incident commander and operations section chiefs during an initial attack wildland incident.

NC.FIRT-120 COMPANY OFFICER 2A: HUMAN RESOURCE MANAGEMENT FOR COMPANY OFFICERS

40.00 hours

Provides information on the use of human resources to accomplish assignments, evaluating member performance, supervising personnel, and integrating health and safety plans, policies, and procedures into daily activities as well as the emergency scene. This course is designed for firefighters who have met the educational requirements for Fire Fighter II.

NC.FIRT-121 COMPANY OFFICER 2B: GENERAL ADMINISTRATIVE FUNCTIONS FOR COMPANY OFFICERS

20.00 hours

Provides information on general administrative functions and the implementation of department policies and procedures and addresses conveying the fire department's role, image, and mission to the public. This course is designed for firefighters who have met the educational requirements for Fire Fighter II.

NC.FIRT-122 COMPANY OFFICER 2C: FIRE INSPECTIONS AND INVESTIGATION FOR COMPANY OFFICERS

40.00 hours

Provides information on conducting inspections, identifying hazards and addressing violations, performing a fire investigation to determine preliminary cause and securing the incident scene and preserving evidence. This course is designed for firefighters who have met the educational requirements for Fire Fighter II.

NC.FIRT-123 COMPANY OFFICER 2D: ALL-RISK COMMAND OPERATIONS FOR COMPANY OFFICERS

40.00 hours

Provides information on conducting incident size-up, developing and implementing an initial plan of action involving a single and multi-unit operations for various types of emergency incidents to mitigate the situation following agency safety procedures, conducting pre-incident planning, and developing and conducting a post-incident analysis. This course is designed for firefighters who have met the educational requirements for Fire Fighter I, and completed the ICS-200.B: Incident Command System for Single Resources and Initial Action Incident and Hazardous Material Incident Commander courses (as offered by the California Specialized Training Institute).

NC.FIRT-124 COMPANY OFFICER 2E: WILDLAND INCIDENT OPERATIONS FOR COMPANY OFFICERS

40.00 hours

Prerequisite: NC.FIRT-123

Provides information on evaluating and reporting incident conditions, analyzing incident needs, developing and implementing a plan of action to deploy incident resources completing all operations to suppress a wildland fire, establishing an incident command post, creating an incident action plan, and completing incident records and reports. This course is designed for firefighters who have met the educational requirements for Fire Fighter II, and completed the S-290 Intermediate Fire Behavior course (classroom delivery).

NC.FIRT-125 CHIEF FIRE OFFICER 3A: HUMAN RESOURCES MANAGEMENT FOR CHIEF FIRE OFFICERS

26.00 hours

Prerequisite: NC.FIRT-120, 121, 122, 123, 124

Provides students with a basic knowledge of the human resources requirements related to the roles and responsibilities of a chief fire officer.

NC.FIRT-126 CHIEF FIRE OFFICER 3B: BUDGET AND FISCAL RESPONSIBILITIES FOR CHIEF FIRE OFFICERS

18.00 hours

Prerequisite: NC.FIRT-120, 121, 122, 123, 124

Provides students with a basic knowledge of the budgeting requirements related to the roles and responsibilities of a chief fire officer.

NC.FIRT-127 CHIEF FIRE OFFICER 3C: GENERAL ADMINISTRATIVE FUNCTIONS FOR CHIEF FIRE OFFICERS

24.00 hours

Prerequisite: NC.FIRT-120, 121, 122, 123, 124

Provides students with a basic knowledge of the administration requirements related to the roles and responsibilities of a chief fire officer.

NC.FIRT-128 CHIEF FIRE OFFICER 3D: EMERGENCY SERVICE DELIVERY RESPONSIBILITIES FOR CHIEF FIRE OFFICERS

40.00 hours

Prerequisite: NC.FIRT-120, 121, 122, 123, 124

Provides students with a basic knowledge of the emergency service requirements related to the roles and responsibilities of a chief fire officer.

NC.FIRT-129 EXECUTIVE CHIEF FIRE OFFICER 4A: HUMAN RESOURCES MANAGEMENT FOR EXECUTIVE CHIEF FIRE OFFICERS

28.00 hours

Prerequisite: NC.FIRT-125, 126, 127, 128

Provides information on the use of human resources for the Executive Chief Fire Officer to accomplish assignments, evaluating member performance, supervising personnel, and integrating health and safety plans, policies, and procedures into daily activities as well as the emergency scene.

NC.FIRT-130 EXECUTIVE CHIEF FIRE OFFICER 4B: COMMUNITY AND GOVERNMENT RELATIONS FOR EXECUTIVE CHIEF FIRE OFFICERS

10.50 hours

Prerequisite: NC.FIRT-125, 126, 127, 128

Provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently while assuming a leadership role in community events.

NC.FIRT-131 EXECUTIVE CHIEF FIRE OFFICER 4C: ADMINISTRATION FOR EXECUTIVE CHIEF FIRE OFFICERS

30.50 hours

Prerequisite: NC.FIRT-125, 126, 127, 128

Provides information on administrative functions for the Executive Chief Fire Officer, including the implementation of department policies and procedures, evaluating and projecting training requirements, and developing a plan for a capital improvement project or program.

NC.FIRT-132 EXECUTIVE CHIEF FIRE OFFICER 4D: EMERGENCY SERVICES DELIVERY FOR EXECUTIVE CHIEF FIRE OFFICERS

38.50 hours

Prerequisite: NC.FIRT-125, 126, 127, 128

Provides the skills and knowledge needed for the Executive Chief Fire Officer to perform emergency services delivery safely, effectively, and competently.



NC.FIRT-133 EXECUTIVE CHIEF FIRE OFFICER 4E: HEALTH AND SAFETY FOR EXECUTIVE CHIEF FIRE OFFICERS

14.50 hours

Prerequisite: NC.FIRT-125, 126, 127, 128

Provides the health and safety skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently.

NC.FIRT-134 VEHICLE EXTRICATION

6.50 hours

Provides the skills and knowledge needed to perform a vehicle extrication. Topics include vehicle stabilization, vehicle construction, patient assessment, vehicle airbags, safety restraint systems, hybrid and alternative fuel vehicles and extrication techniques.

NC.FIRT-135 S-212 WILDLAND CHAIN SAWS

30.00 hours

Introduces the student to basic chainsaw operation, maintenance and safety features as well as safety standards as required by OSHA and agency directives. Provides instruction on the tactical application of chainsaw fireline construction and mop-up operations.

NC.LFGD-001A OCEAN LIFEGUARD ACADEMY ORIENTATION

10.00 hours

Introduces departmental expectations relative to performance and behavior during the Ocean Lifeguard Training Academy. Topics include administrative procedure, facility maintenance and county policy of equality.

NC.LFGD-001B OCEAN LIFEGUARD ACADEMY

180.00 hours

Prepares the student for employment as an ocean lifeguard. Major topics include: CPR, first aid, rescue drills, surf and ocean swimming, rescue board proficiency, skin diving proficiency, communication, and environmental hazard identification.

NC.LFGD-002A JUNIOR LIFEGUARD CADET

92.00 hours

Provides selected Junior Lifeguards interested in becoming Ocean Lifeguards with more extensive training through supplemental curriculum items and tower internships.

NC.LFGD-002B JUNIOR LIFEGUARD CADET PRACTICUM

12.00 hours

Provides students with field performance opportunity, applying skills acquired in Junior Lifeguard Cadet course.

NC.LFGD-002C JUNIOR LIFEGUARD

60.00 hours

Provides selected students interested in becoming ocean lifeguards with training through lecture, demonstration, simulation exercises and/or practice.

NC.LFGD-003 OCEAN LIFEGUARD RECHECK INSTRUCTOR TRAINING

8.00 hours

Provides required annual recertification for returning lifeguards. Topics include teaching guidelines and program policy for recheck instructors, department updates, teaching techniques, review of CPR changes, running skills stations, and the recheck agenda.

NC.LFGD-004 LIFEGUARD ACADEMY INSTRUCTOR TRAINING

4.00 hours

Training for Lifeguard Training Academy instructors. Topics include teaching techniques, preparation, Ocean Lifeguard Training Manual review, and candidate discipline.

NC.LFGD-005 ANNUAL OCEAN LIFEGUARD RECERTIFICATION/ INSERVICE - PROFESSIONAL

2.00 hours

Prerequisite: NC.LFGD 001A

Provides annual recheck for all permanent lifeguards. Monthly in-service drills and physical fitness logs are completed by all permanent lifeguards. Topics include department updates, medical skills and rescue skills.

NC.LFGD-006A ANNUAL OCEAN LIFEGUARD RECERTIFICATION/ INSERVICE - RECURRENT

8.00 hours

Provides annual recheck for all recurrent lifeguards. Monthly in-service drills and physical fitness logs are completed by all permanent lifeguards. Topics include department updates, medical skills and rescue skills.



NC.LFGD-007A JUNIOR LIFEGUARD INSTRUCTOR CERTIFICATION PART 1

20.00 hours

Provides all new and returning Junior Lifeguard instructors with annual primary training. Covers teaching skills and lesson planning, classroom management, child development, discipline, sportsmanship and event practice.

NC.LFGD-007B JUNIOR LIFEGUARD INSTRUCTOR CERTIFICATION PART 2

20.00 hours

Prerequisite: NC.LFGD 007A

Provides all new and returning Junior Lifeguard instructors with continuing education for required annual certification. Topics include equipment safety and care, youth sports injury, EMS procedures, Junior Guard clinics, mandated reporter responsibilities and event practice.

NC.LFGD-008A DIVER INSERVICE TRAINING PART 1

6.00 hours

Provides in-service training for underwater rescue and recovery unit divers, as well as for auxiliary and guest divers who are working towards meeting the requirements for the rescue and recovery unit. Topics include diving equipment, diver safety, underwater search techniques, victim and property recovery.

NC.LFGD-010 MARINE FIREFIGHTING OPERATIONS

40.00 hours

Covers basic firefighting tactics and strategies particular to marine, boat and other watercraft fires.

NC.LFGD-010A ROPE RESCUE AWARENESS

40.00 hours

Examines support resources, maintain safety equipment, demonstrate ladder rescue operations and rope and anchor systems in low and high angle environments.

NC.LFGD-011 RESCUE WATERCRAFT BASIC

30.00 hours

Prerequisite: NC.LFGD 001B

Introduces personal watercraft surf rescue. Major topics include pre- and post-operations, craft launch and retrieval, craft operation in the surfline, rescue techniques and emergency procedures.

NC.LFGD-011A RESCUE WATERCRAT (RWC) INSTRUCTOR

30.00 hours

Provides students practical skills for Rescue Watercraft Surf Rescue. Major topics include pre and post operations techniques, craft launch and retrieval, craft operation in the surfline, rescue techniques and emergency procedures.

NC.LFGD-013 RESCUE BOAT OPERATIONS

40.00 hours

Prerequisite: NC.LFGD 001A

Introduces basic rescue boat operations for emergency rescue personnel. Topics include ocean navigation, boat handling, rescues at sea, weather and emergency communications.

NC.LFGD-014 EMR INSTRUCTOR

16.00 hours

Prerequisite: NC.LFGD 001A

Reviews Basic Life Support/CPR Guidelines as well as effective teaching and testing techniques. Upon completion students are certified to teach CPR.

NC.LFGD-016A EMT RECERTIFICATION FOR LIFEGUARDS – RECURRENT PART 1

10.00 hours

Prerequisite: NC.LFGD 001A

Initiates an intensive review of primary EMT training for recurrent lifeguards.

NC.LFGD-016B EMT RECERTIFICATION FOR LIFEGUARDS – RECURRENT PART 2

10.00 hours

Prerequisite: NC.LFGD 016A

Completes an intensive review of primary EMT training for recurrent lifeguards.

NC.LFGD-017 OCEAN LIFEGUARD SPECIALIST ACADEMY

160.00 hours

Prerequisite: NC.LFGD 001A

Prepares seasonal lifeguards for their role as ocean lifeguard specialists. Major topics include: Sub-area operations, radio communications/NFIRS, personnel policies, safe driving, expectations/discipline, code of conduct, public relations, EMS operations, response to terrorism, a review of general orders and an intro to information management.

NC.LFGD-018 CAPTAIN OCEAN LIFEGUARD (COL)/RESCUE BOAT CAPTAIN ACADEMY

40.00 hours

Prepares ocean lifeguard specialists for their role as captains. Major topics include: sub-area operations, radio communications/NFIRS, personnel policies, safe driving, expectations/discipline, code of conduct, public relations, EMS operations, scheduling, performance evaluations, a review of general orders and an intro to information management.

Continued on the next page.

NC.LFGD-020 LIFEGUARD UNIT OPERATION

16.00 hours

Prerequisite: NC.LFGD 001A

Provides training for lifeguards in safe beach driving. Major topics include: routine beach driving, hazards of driving on the beach, proper driving maneuvers, safely responding code R on the beach, vehicle maintenance, liabilities and public perception.

NC.LFGD-021 PARAMEDIC CONTINUING EDUCATION

8.00 hours

Prerequisite: NC.LFGD 001A

Updates training for active Paramedics who have completed and maintained EMT-Paramedic licensure in the state of California and are accredited in Los Angeles county.

NC.LFGD-022 OPEN WATER RESCUER - BASIC

24.00 hours

Provides detailed information, and the skills training required, to improve an individual's level of comfort and confidence for safely and proficiently performing contact rescues in static and surf water conditions. "In water" skills for students include how to read and understand water flow, reading and understanding surf, contact rescues using rescue buoy devices and boards, dealing with combatant victims, performing self-rescues, and rescues of multiple victims both conscious and unconscious.

NC.LFGD 025A LIFEGUARD IN-SERVICE TRAINING

1.00 – 100.00 hours

Provides updated information and skills in the areas of lifeguard equipment, specialized emergency operations, current department policy and procedures, and rescue.

NC.LFGD-025L PROFESSIONAL LIFEGUARD IN-SERVICE TRAINING LAB

1.00 – 200.00 hours

Provides updated skills in the areas of apparatus, specialized emergency operations, current department policy & procedures, marine search & rescue, & emergency medical services.

REAL ESTATE

Certificate of Completion: Real Estate

The Noncredit Real Estate program involves the study of California real estate principles, practices, procedures, and law. Students must successfully complete and pass the real estate principles class (NC.REAL-100), the real estate practices class (NC.REAL-101), and one additional class (of the student's choosing from the approved list) in the Real Estate department to academically qualify for the California Real Estate Sales license and examination. These classes may also be applied to the academic requirement for the California Real Estate Broker license and examination.

Students are advised to check current California Department of Real Estate or other applicable agency academic requirements prior to registering for any course to ensure that it satisfies current requirements as a mandatory or elective course for the Real Estate Sales or Real Estate Broker licenses. The CalBRE and other applicable agency requirements change periodically and the Real Estate program does not warrant that the listed courses meet current requirements.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in the core knowledge required for the California Department of Real Estate examination for real estate sales and real estate broker licenses.

Program Requirements:

Units Required: 0

		Units
NC.REAL-100	Real Estate Principles	0.0
NC.REAL-101	Real Estate Practices	0.0

Plus one course from the following

NC.REAL-105	Real Estate Financing	0.0
NC.REAL-115	Legal Aspects of Real Estate	0.0
NC.REAL-120	Real Estate Appraisal	0.0
NC.REAL-130	Escrow Procedures and Processing	0.0

NC.REAL-100 REAL ESTATE PRINCIPLES

45.00 – 60.00 hours

Introduces real estate fundamentals by emphasizing the concepts of real property ownership, the sale of real property, contract law, real property law, appraisal, financing, and the business aspects of buying and selling real estate under California law. A State of California required course for the Real Estate Sales License exam. This course may be taken for a letter grade.



NC.REAL-101 REAL ESTATE PRACTICES
45.00 – 60.00 hours

Examines the theoretical and practical aspects of real estate operations including ethics, obtaining and processing listings, the fundamentals of escrow, and financing and appraisal within the real estate industry. A State of California required course for the Real Estate Sales License. This course may be taken for a letter grade.

NC.REAL-105 REAL ESTATE FINANCING
45.00 – 60.00 hours

Explores real estate finance in California, including analyses of lending sources, loan processing, governmental loans, appraisals and methods of financing commercial and residential properties. This course satisfies one of the California Department of Real Estate Salesperson electives and is required of applicants for the Real Estate Broker examination. This course may be taken for a letter grade.

NC.REAL-115 LEGAL ASPECTS OF REAL ESTATE
45.00 – 60.00 hours

Explores real estate finance in California, including analyses of lending sources, loan processing, governmental loans, appraisals and methods of financing commercial and residential properties. This course satisfies one of the California Department of Real Estate Salesperson electives and is required of applicants for the Real Estate Broker examination. This course may be taken for a letter grade.

NC.REAL-120 REAL ESTATE APPRAISAL
45.00 – 60.00 hours

Examines real estate appraisals, the appraisal process, as well as the different approaches, methods, and techniques used to determine the value of real property, while emphasizing residential and single unit property. Approved by the California Department of Real Estate for Sales and Broker's educational requirements. This course may be taken for a letter grade.

NC.REAL-130 ESCROW PROCEDURES AND PROCESSING
45.00 – 60.00 hours

Provides an overview of the real estate escrow process emphasizing the procedures used in the State of California. Can be used to satisfy the California Department of Real Estate's requirement for both Salespersons and Brokers. This course may be taken for a letter grade.

RECREATION MANAGEMENT

Certificate of Completion: Wilderness Leadership
Develops the skills required to effectively navigate and lead a culturally diverse group of individuals utilizing developmentally appropriate approaches to group dynamics, conflict management, and leadership skills in a wilderness environment. Adult and Pediatric First Aid, CPR, and AED skills will also be covered, including the skills needed to recognize and respond to a variety of first aid, breathing, and cardiac emergencies involving adults, children, and infants.

Program Requirements:
Units Required: 0

		Units:
NC.REC-100	Leadership in a Wilderness Environment	0.0
NC.HLTH-001	Adult and Pediatric CPR, First Aid, and AED	0.0

NC.REC-100 LEADERSHIP IN A WILDERNESS ENVIRONMENT
30.00 – 40.00 hours

Develops the skills required to effectively navigate and lead a culturally diverse group of individuals in a wilderness environment. Students will utilize developmentally appropriate approaches to navigate conflict management and leadership skills with a practical, hands-on approach. Multi-day overnight trip required.

SELF DEFENSE

NC.HLTH-020 BASIC SELF-DEFENSE STRATEGIES
6.00 – 10.00 hours

Instruction and practice in the physical and psychological aspects of basic self-defense. An emphasis will be placed on developing strategies to emerge from threatening situations without sustaining serious physical or psychological trauma. The attainment of these skills can boost self-esteem, independence, and facilitate the pursuit of life goals.

Continued on the next page.

NC.HLTH-021 SEXUAL ASSAULT DEFENSE FOR WOMEN

9.00 – 12.00 hours

Provides women with essential knowledge and practical skills to enhance their safety by focusing on self-defense education and awareness. Students will learn strategies to reduce risk, avoid potentially dangerous situations, and develop basic physical defense techniques to protect themselves from sexual assault and abduction.

SIGN LANGUAGE

Certificate of Completion: ASL for Personal and Professional Development

Focuses on the fundamentals of American Sign Language (ASL) and developing expressive and receptive language skills through the learning of basic vocabulary, grammatical structures, and cultural awareness. Designed for, but not limited to current students, parents, family, and community members.

Certificate Student Learning Outcome:
Students will be able to demonstrate basic, functional conversational skills in American Sign Language, while also evaluating aspects of the Deaf community.

Program Requirements:
Units Required: 0

		Units:
NC.SIGN-001	Introduction to ASL for Personal and Professional Development 1A	0.0
NC.SIGN-002	Introduction to ASL for Personal and Professional Development 1B	0.0

Certificate of Completion: Conversational ASL for Personal and Professional Development

Focuses on expressive and receptive skills in American Sign Language for personal and professional development, while providing students additional development in conversational proficiency in a variety of contexts.

Certificate Student Learning Outcome:
Students will be able to demonstrate functional conversational skills in American Sign Language with awareness of Deaf culture.

Program Requirements:
Units Required: 0

		Units
NC.SIGN-005	Intermediate Conversational ASL for Personal and Professional Development	0.0
NC.SIGN-006	Advanced Conversational ASL for Personal and Professional Development	0.0

NC.SIGN-001 INTRODUCTION TO ASL FOR PERSONAL AND PROFESSIONAL DEVELOPMENT 1A

30.00 – 40.00 hours

Presents the fundamentals of American Sign Language (ASL) whereby students develop expressive and receptive language skills through the learning of basic vocabulary, grammatical structures, and cultural awareness. Designed for, but not limited to parents, family, and community members.

NC.SIGN-002 INTRODUCTION TO ASL FOR PERSONAL AND PROFESSIONAL DEVELOPMENT 1B

30.00 – 40.00 hours

Prerequisite: NC.SIGN-001

Continues the fundamentals of American Sign Language (ASL) whereby students develop expressive and receptive language skills through the learning of basic vocabulary, grammatical structures, and cultural awareness. Designed for, but not limited to parents, family, and community members.

NC.SIGN-005 INTERMEDIATE CONVERSATIONAL ASL FOR PERSONAL AND PROFESSIONAL DEVELOPMENT

30.00 – 40.00 hours

Focuses on expressive and receptive skills in American Sign Language for college and career, while providing students additional development in conversational proficiency planning experiences, asking questions, and storytelling. Field trips may be required.

NC.SIGN-006 ADVANCED CONVERSATIONAL ASL FOR PERSONAL AND PROFESSIONAL DEVELOPMENT

30.00 – 40.00 hours

Recommended Preparation: NC.SIGN-005

Focuses on advanced expressive and receptive skills in American Sign Language for college and career, while providing students additional development in conversational proficiency in explaining personal experiences, participating in debates, and providing instructions. Field trips may be required.

SPANISH

Certificate of Completion: Spanish for Healthcare Workers

Designed for health care workers who need to communicate effectively with Spanish-speaking patients and families. Intensive practice with Spanish vocabulary, interviews and specialized basic terminology used in the medical field.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in communicating in expressive and receptive forms in Spanish.

Program Requirements:
Units Required: 0

		Units
NC.SPAN-021	Spanish for Healthcare Workers I	0.0
NC.SPAN-022	Spanish for Healthcare Workers II	0.0

Certificate of Completion: Spanish for Educators

Develops Spanish communication skills and cultural understanding to foster meaningful interactions with Spanish-speaking students, families, staff, and community members. Focuses on listening, speaking, and fluency in educational topics, including intensive practice with specialized terminology used in an educational setting.

Certificate Student Learning Outcome:
Students will be able to demonstrate proficiency in communicating in expressive and receptive forms in Spanish in an educational setting.

Program Requirements:
Units Required: 0

		Units:
NC.SPAN-041	Spanish for Educators I	0.0
NC.SPAN-042	Spanish for Educators II	0.0

NC.SPAN-021 SPANISH FOR HEALTHCARE WORKERS I

54.00 hours

Develops basic Spanish listening, speaking, and oral skills on specific topics related to healthcare professions.

NC.SPAN-022 SPANISH FOR HEALTHCARE WORKERS II

54.00 hours
Recommended Preparation: NC.SPAN-021

Further develops Spanish listening speaking and oral skills on specific topics related to healthcare professions at the novice-high level.

NC.SPAN-041 SPANISH FOR EDUCATORS I

54.00 hours

Develops basic Spanish communication skills and cultural understanding to foster meaningful interactions with Spanish-speaking students, families, staff, and community members. Focuses on developing listening, speaking, and fluency in educational topics.

NC.SPAN-042 SPANISH FOR EDUCATORS II

54.00 hours
Recommended Preparation: NC.SPAN-041

Develops basic Spanish communication skills and cultural understanding to foster meaningful interactions with Spanish-speaking students, families, staff, and community members. Focuses on developing listening, speaking, and fluency in educational topics.

SPORTS MEDICINE

Certificate of Completion: Therapeutic Rehabilitation Technician Certificate of Completion

This certificate will train the student in therapeutic rehabilitation techniques used in physical therapy, occupational therapy, athletic training, and chiropractic fields. Through the courses required for this certificate a student will gain the competencies and skills needed to safely work with patients under credentialed supervision. Additionally, they will acquire the CPR and first aid certification and clinical experience often desired by therapeutic rehabilitation clinics when hiring new employees.

Certificate Student Learning Outcome:
Students will be able to:

- Assess patient status and determine appropriate treatment including emergency care, therapeutic modalities, and/or exercises.
- Perform emergency care, therapeutic modalities, and exercise treatments at a proficient level.

Program Requirements:
Units Required: 0

		Units:
NC.KPET-120	Emergency Procedures	0.0
NC.KPET-212	Sports Medicine Clinical Experience	0.0

NC.KPET-120 EMERGENCY PROCEDURES

15.00 – 24.00 hours lecture, 40.00 – 60.00 hours lab

Introduces procedures to maintain health in emergency first aid situations. Successful course completion qualifies a student for the American Red Cross Community First Aid and Safety, CPR for the Professional Rescuer and Automated External Defibrillation cards. This course may be taken for a letter grade.

Continued on the next page.

NC.KPET-212 SPORTS MEDICINE CLINICAL EXPERIENCE

25.00 – 48.00 hours lecture, 40.00 – 60.00 hours lab

Recommended Preparation: NC.KPET-120

Provides instruction and clinical experience for students interested in sports-related injury care and rehabilitation. Includes injury assessment and diagnosis, therapeutic modality usage and selection, and rehabilitation of sports injuries. This course may be taken for a letter grade.

THEATRE

Certificate of Completion: Basic Computer Drafting for the Entertainment Industry

The Basic Computer Drafting for the Entertainment Industry Certificate of Completion provides basic skills in AutoCAD and Vectorworks drafting software to edit and print standard drawings (plans, sections, elevations, and details) to industry standards.

Certificate Student Learning Outcome:
Students will be able to utilize computer drafting applications to edit and print drawings that meet entertainment industry standards.

Program Requirements:
Units Required: 0

		Units:
NC.THTR-020	AutoCAD Drafting for the Entertainment Industry I	0.0
NC.THTR-025	Vectorworks Drafting for the Entertainment Industry I	0.0

Certificate of Completion: Business of Acting

The Business of Acting Certificate is designed to bridge academic acting training and the professional acting business. Students will learn the process of following the industry, identifying potential performance opportunities, submission process, and the audition process.

Certificate Student Learning Outcome:
Students will be able to formulate career goals as a performer in the entertainment industry and execute a plan to achieve those goals.

Program Requirements:
Units Required: 0

		Units
NC.THTR-060	Business of Acting	0.0
NC.THTR-061	Auditioning Skills for Actors	0.0

Certificate of Completion: Drafting for the Entertainment Industry (AutoCAD)

The Drafting for the Entertainment Industry (AutoCAD) certificate is designed to provide updated skills for industry professionals and students who wish to learn practical applications of AutoCAD in the Entertainment Industry. Students will learn to create, print, and share standard documents (plans, sections, elevations, and details) to industry standards.

Certificate Student Learning Outcome:
Students will be able to utilize AutoCAD to create, edit, print, and share documents that meet entertainment industry standards.

Program Requirements:
Units Required: 0

		Units:
NC.THTR-020	AutoCAD Drafting for the Entertainment Industry I	0.0
NC.THTR-021	AutoCAD Drafting for the Entertainment Industry II	0.0

Certificate of Completion: Drafting for the Entertainment Industry (Vectorworks)

The Drafting for the Entertainment Industry (Vectorworks) certificate is designed to provide updated skills for industry professionals and students who wish to learn practical applications of Vectorworks in the Entertainment Industry. Students will learn to create, printing, and share standard documents (plans, sections, elevations, and details) to industry standards.

Certificate Student Learning Outcome:
Students will be able to utilize Vectorworks to create, edit, print, and share standard documents that meet entertainment industry standards.

Program Requirements:
Units Required: 0

		Units:
NC.THTR-025	Vectorworks Drafting for the Entertainment Industry I	0.0
NC.THTR-026	Vectorworks Drafting for the Entertainment Industry II	0.0

NC.THTR-020 AUTOCAD DRAFTING FOR THE ENTERTAINMENT INDUSTRY I

12.00 – 18.00 hours

An introductory vocational course in utilizing AutoCAD for the entertainment industry and specializing in editing and revising standard plans, sections, elevation, and detail drawings.

NC.THTR-021 AUTOCAD DRAFTING FOR THE ENTERTAINMENT INDUSTRY II

12.00 – 18.00 hours

Recommended Preparation: NC.THTR-020

An introductory vocational course in utilizing AutoCAD for the entertainment industry and specializing in creating standard plans, sections, elevation, and detail drawings, as well as utilizing other advanced software features.

NC.THTR-025 VECTORWORKS DRAFTING FOR THE ENTERTAINMENT INDUSTRY I

12.00 – 18.00 hours

An introductory vocational course in utilizing Vectorworks for the entertainment industry and specializing in editing and revising standard plans, sections, elevation, and detail drawings.

NC.THTR-026 VECTORWORKS DRAFTING FOR THE ENTERTAINMENT INDUSTRY II

12.00 – 18.00 hours

Recommended Preparation: NC.THTR-025

An introductory vocational course in utilizing Vectorworks for the entertainment industry and specializing in creating standard plans, sections, elevation, and detail drawings, as well as utilizing other advanced software features.

NC.THTR-060 BUSINESS OF ACTING

24.00 – 30.00 hours

Examines acting as a business and presents approaches to becoming a working professional in the entertainment industry, including marketing materials, representation, audition/submission announcements, and professionalism.

NC.THTR-061 AUDITIONING SKILLS FOR ACTORS

24.00 – 30.00 hours

Recommended Preparation: NC.THTR-060

Presents the processes for auditioning for professional work in theatre, television, film and commercials; including selection, preparation and performance of material with which to audition.

VOCATIONAL

Certificate of Completion: Certified Adobe Photoshop Technician

Designed to prepare a student for Adobe Certified Associate exam, a credential certifying the individual has the entry-level skills to plan, design, build and maintain effective communications using Adobe Photoshop.

Certificate Student Learning Outcome:
Students will be able to identify and select appropriate techniques for the success for preparation for the Adobe Photoshop Associates Certification Exam

Program Requirements:
Units Required: 0

		Units
NC.VOC-021A	Adobe Photoshop Basics	0.0
NC.VOC-021B	Building on Photoshop Basics	0.0
NC.VOC-021C	Advanced Tools in Photoshop	0.0

Certificate of Completion: Commercial Painting

Students will develop proper paint selection and covering/masking techniques and will develop the skills to properly prepare and paint different surfaces using a variety of painting equipment. Painting safety policies and procedures will also be covered.

Certificate Student Learning Outcome:
Students will be able to demonstrate skills needed to safely prepare and paint various surfaces using a variety of painting equipment.

Program Requirements:
Units Required: 0

		Units:
NC.VOC-012A	Commercial Painting I	0.0
NC.VOC-012B	Commercial Painting II	0.0

Certificate of Completion: Commercial Printing

Introduces the operation of small offset printing presses, relevant pre-press, bindery/finishing equipment to produce single color print jobs, full color digital and offset printing, and advanced bindery/finishing procedures while adhering to safety policies and procedures.

Certificate Student Learning Outcome:
Students will be able to demonstrate printing, finishing, and packaging print a single and full-color offset print job to required specifications while adhering to safety policies and procedures.

Program Requirements:
Units Required: 0

Required Courses:

		Units:
NC.VOC-013A	Commercial Printing I	0.0
NC.VOC-013B	Commercial Printing II	0.0

Certificate of Completion: Commercial Sewing

Utilize single/double needle, cover stitch, elastic, and overlock sewing machines to assemble shirts, pants, boxers, and bedsheets.

Certificate Student Learning Outcome:
Students will be able to demonstrate safe usage of single/double needle, cover stitch, elastic, and overlock sewing machines to make apparel and linens.

Program Requirements:
Units Required: 0

		Units
NC.VOC-10A	Commercial Sewing I	0.0
NC.VOC-10B	Commercial Sewing II	0.0

Certificate of Completion: Executive Functioning Skills

Identify and develop essential executive functioning skills, the positive effects that healthy executive functioning skills will have on their lives, and develop

a toolbox of specific strategies that will enable them to navigate academic, career, and personal relationships in developmentally appropriate ways.

Certificate Student Learning Outcome:
Students will be able to create a plan, using Executive Functioning skills, to apply to a real life scenario such as college assignments, career planning, personal growth, and developing healthy relationships.

Program Requirements:
Units Required: 0

		Units:
NC.VOC-001	Executive Functioning Skills – Strategies for Personal Success	0.0
NC.VOC-002	Executive Functioning Skills – Strategies for Academic and Career Success	0.0

Certificate of Completion: Master Gardener

Presents the fundamentals of gardening including plant selection, irrigation management, pruning, pest management, fertilizers, propagation, general water efficiency turfgrass, turfgrass alternatives, trees, and home gardening. Additionally, the course will cover communicating with customers and technology that can enhance communication.

Certificate Student Learning Outcome:
Students will be able to:

- Apply best practices in plant selection, soil management, integrated pest management, and turfgrass/plant maintenance.
- Demonstrate decontamination techniques, proper personal and protective equipment (PPE) use, and key elements in a landscape design plan

Program Requirements:
Units Required: 0

		Units:
NC.VOC-030	Gardening and Pest Management	0.0
NC.VOC-031	Garden and Landscape Design	0.0

Certificate of Completion: Physical Fitness Preparation for Public Safety

Applies principles of both physical and mental wellness for students preparing for public safety careers and Physical Ability Tests (PAT).

Certificate Student Learning Outcome:
Students will be able to select and apply strategies for health and wellness promotion in preparation for Physical Ability Tests (PAT) and public safety careers.

Program Requirements:
Units Required: 0

		Units:
Required Courses:		
NC.VOC-010	Physical Fitness Preparation for Public Safety I	0.0
NC.VOC-011	Physical Fitness Preparation for Public Safety II	0.0

Certificate of Completion: Supporting and Empowering Veterans

Designed to help veterans service organizations and agencies provide stronger support to the veteran community. Evaluates and determines the resources and benefits needed to support and empower veterans. An emphasis will be placed on building an awareness of military culture, the diverse make-up of military service members, strengths developed by veterans during service, common barriers facing military veterans, best practices in customer service, and strategies for being empathic throughout interactions.

Certificate Student Learning Outcome:
Students will be able to evaluate and determine the resources and benefits needed to support and empower veterans through an organization or service agency.

Program Requirements:
Units Required: 0

		Units:
NC.VOC-050	Understanding and Supporting Veterans	0.0
	Plus two of the three following courses:	
NC.CSKL-004	Customer Service	0.0
NC.CSKL-017	Empathy	0.0
NC.CSKL-021	Social-Diversity Awareness	0.0

Certificate of Completion: Understanding Trauma in Children and Youth Training

Examines the impact of trauma on children and youth with an emphasis on awareness, identification, intervention, and prevention. Provides students with the knowledge and skills needed to identify signs of trauma and utilize appropriate behavioral interventions in a professional and/or personal setting when working with children and youth impacted by trauma.

Certificate Student Learning Outcome:
Students will be able to identify signs of trauma and determine appropriate behavioral interventions in a professional and/or personal setting when working with children and youth impacted by trauma.

Program Requirements:
Units Required: 0

		Units
NC.VOC-040	How Trauma Impacts Children and Youth: Awareness and Identification Training	0.0
NC.VOC-041	How Trauma Impacts Children and Youth: Intervention and Prevention Training	0.0

NC.VOC-001 EXECUTIVE FUNCTIONING SKILLS - STRATEGIES FOR PERSONAL SUCCESS

8.00 – 10.00 hours

Prepare adults for academic and career success by teaching them essential executive functioning skills. Through a structured approach, students will practice executive function strategies to master; planning, organization, and to empower healthy professional relationships.

NC.VOC-002 EXECUTIVE FUNCTIONING SKILLS- STRATEGIES FOR ACADEMIC AND CAREER SUCCESS

8.00 – 10.00 hours

Develops essential executive functioning skills, including time management, organization, goal setting, decision-making, and self-regulation. Through a combination of lectures, discussions, practical exercises, and case studies, students will learn how to enhance their executive functioning abilities and apply them to their academic pursuits.

NC.VOC-004 HOTEL FRONT DESK TRAINING

24.00 – 32.00 hours

Explores the operations of the front desk and how to offer a quality guest experience from registration to check-out. Topics include processing guest arrivals and departures, handling guest complaints, bookkeeping, and dealing with safety and security issues at the hotel.

NC.VOC-010 PHYSICAL FITNESS PREPARATION FOR PUBLIC SAFETY I

18.00 – 24.00 hours

Introduces the principles of physical fitness and mental health for students preparing for careers in public safety, as well as those training for the Physical Ability Test (PAT).

NC.VOC-011 PHYSICAL FITNESS PREPARATION FOR PUBLIC SAFETY II

18.00 – 24.00 hours

Applies principles of both physical and mental wellness for pre-academy students, and prospective public safety candidates, to prepare for Physical Ability Tests (PAT).

NC.VOC-10A COMMERCIAL SEWING I

30.00 – 40.00 hours

Introduces the use of single/double needle, cover stitch, and overlock sewing machines to assemble shirts while adhering to safety policies and procedures.

NC.VOC-10B COMMERCIAL SEWING II

30.00 – 40.00 hours

Recommended Preparation: NC.VOC-10A

Expands the use of overlock, single/double needle sewing machines, and introduces elastic sewing machines to assemble apparel and linens while adhering to safety policies and procedures.

NC.VOC-012A COMMERCIAL PAINTING I

30.00 – 40.00 hours

Introduces proper paint selection and covering/masking skills for various projects while adhering to safety policies and procedures.

NC.VOC-012B COMMERCIAL PAINTING II

30.00 – 40.00 hours

Recommended Preparation: NC.VOC-012A

Develops the skills to properly prepare and paint different surfaces using a variety of painting equipment.

NC.VOC-013A COMMERCIAL PRINTING I

30.00 – 40.00 hours

Provides a hands-on introduction to single-color printing using small offset presses. Students will learn pre-press preparation, essential bindery and finishing techniques, while adhering to safety protocols.

NC.VOC-013B COMMERCIAL PRINTING II

30.00 – 40.00 hours

Provides a hands-on introduction to full-color digital printing using offset presses. Students will learn pre-press preparation, advanced bindery, and finishing techniques, while adhering to safety protocols.

NC.VOC-021A ADOBE PHOTOSHOP BASICS

8.00 hours

Become familiar with the Photoshop interface and fundamental tools. Learn core skills for selecting, editing, applying adjustments, using layers, and saving properly formatted files.

NC.VOC-021B BUILDING ON PHOTOSHOP BASICS

8.00 hours

Recommended Preparation: NC.VOC-021A

Builds upon foundational Photoshop skills by transforming images, using layer masks, exploring blend mode effects, and preparing files for print or screen.

NC.VOC-021C ADVANCED TOOLS IN PHOTOSHOP

8.00 hours

Prerequisite: NC.VOC-021B

Explores Photoshop's advanced capabilities for restoring images, automating workflows, and producing professional graphics.

NC.VOC-030 GARDENING AND PEST MANAGEMENT

45.00 – 55.00 hours

Presents the fundamentals of gardening including plant selection, irrigation management, pruning, pest management, fertilizers, propagation, and general water efficiency. Additionally, students receive a Pesticide Safety and Handling Certificate.

Continued on the next page.

NC.VOC-031 GARDEN AND LANDSCAPE DESIGN

45.00 – 55.00 hours

Presents the fundamentals of gardening with a focus on turfgrass, turfgrass alternatives, trees, and home gardening. Additionally, the course will cover communicating with customers and using technology that can enhance communication.

NC.VOC-040 HOW TRAUMA IMPACTS CHILDREN AND YOUTH: AWARENESS AND IDENTIFICATION TRAINING

10.00 – 15.00 hours

Examines the impact of trauma on children and youth. Provides students with the knowledge and skills needed to identify signs of trauma in a professional and/or personal setting and how these experiences can impact behavior.

NC.VOC-041 HOW TRAUMA IMPACTS CHILDREN AND YOUTH: INTERVENTION AND PREVENTION TRAINING

10.00 – 15.00 hours

Recommended Preparation: NC.VOC-040

Examines the impact of trauma on children and youth. Provides students with the knowledge and skills needed to utilize appropriate behavioral interventions, including prevention techniques, in a professional and/or personal setting when working with children and youth impacted by trauma.

NC.VOC-050 UNDERSTANDING AND SUPPORTING VETERANS

12.00 – 16.00 hours

Designed to help veterans service organizations and agencies provide stronger support to the veteran community. An emphasis will be placed on evaluating and determining the resources and benefits needed to support and empower veterans, building an awareness of military culture, the diverse make-up of military service members, strengths developed by veterans during service, and the common barriers facing military veterans.

WELDING

Certificate of Completion: Welding Safety - Welding Lab Skills Enhancement

Designed to enhance welding skills to prepare students for the workforce, while working safely and utilizing the proper Personal Protective Equipment (PPE).

Certificate Student Learning Outcome:
Students will be able to demonstrate proper usage of various welding processes to improve skills while following safety procedures and proper use of Personal Protective Equipment (PPE).

Program Requirements:
Units Required: 0

		Units
NC.WELD-001	Welding Safety	0.0
NC.WELD-002	Welding Lab	0.0

NC.WELD-001 WELDING SAFETY

6.00 – 10.00 hours

First of a two-part series designed for individuals with previous welding experience and/or current enrollment in a COC lab-based welding course. Examines safety principles and procedures for welding and cutting. Topics include workplace safety hazards, fire safety, confined spaces, Safety Data Sheets, and use of proper Personal Protective Equipment (PPE). Course aligns with the American Welding Society SENSE EG2.0 Entry Level Welder program and the National Coalition of Certification Centers (NC3).

NC.WELD-002 WELDING LAB

24.00 – 36.00 hours

Prerequisite: NC.WELD-001

Provides additional lab hours to practice existing welding and thermal cutting skills. This course is designed for individuals with previous welding course/work experience and/or students who are currently enrolled in a lab-based welding class at College of the Canyons. Students will follow department safety procedures while using all welding and thermal cutting equipment.

YOGA

Certificate of Completion: Yoga Teacher Training

The Yoga Teacher Trainer Certificate of Completion provides students the knowledge, skills and experience across the 12 Yoga competencies: asana (yoga poses) anatomy, history, teaching methodology, pranayama (breathing) physiology, philosophy, professional development, meditation, biomechanics, ethics, teaching practicum.

Certificate Student Learning Outcome:
Students will be able to design and demonstrate safe and effective yoga classes for a variety of populations in alignment with the Yoga Alliance philosophy and standards of practice.

Program Requirements:
Units Required: 0

		Units
NC.YOGA-001	Yoga History and Culture	0.0
NC.YOGA-002	Yoga Techniques I (Theory and Practice)	0.0
NC.YOGA-003	Yoga Techniques II (Practice and Training)	0.0
NC.YOGA-004	Yoga Teacher Training	0.0
NC.YOGA-005	Yoga Teacher Training Practicum	0.0

Certificate of Completion: Teaching Yoga for Health and Longevity

Prepares yoga teachers to safely and effectively teach therapeutic yoga and yoga for older adults and individuals with common health conditions. Students explore the anatomy and physiology of aging, functional anatomy, and key principles of therapeutic yoga. Topics include safe modifications, sequencing, and the use of props, chairs, and walls to support diverse needs. Emphasis is placed on accessibility, inclusivity, and evidence-informed practices that promote relaxation, resilience, and the physical, mental, and emotional well-being of all participants.

Certificate Student Learning Outcome:
Students will be able to design and lead accessible yoga classes that promote health, safety, and well-being for older adults and individuals with diverse abilities and/or health conditions.

Program Requirements:
Units Required: 0

		Units:
NC.YOGA-006	Teaching Yoga to Older Adults	0.0
NC.YOGA-007	Foundations of Teaching Therapeutic Yoga	0.0

NC.YOGA-001 YOGA HISTORY AND CULTURE

20.00 – 25.00 hours

Explores the historical tenets and basic methodological approaches to the study of yoga. This course is the first component of the 200-hour Yoga Teacher Training Certificate program through the Yoga Alliance.

NC.YOGA-002 YOGA TECHNIQUES I (THEORY AND PRACTICE)

50.00 – 60.00 hours

Explores the theory and practice of beginning-level yoga postures, safety techniques, the study of anatomy and muscles used in performing beginning postures, and the study and practice (pranayamas) of breathing and meditation techniques. This course is the second component of the 200-hour Yoga Teacher Training Certificate program through the Yoga Alliance.

NC.YOGA-003 YOGA TECHNIQUES II (PRACTICE AND TRAINING)

50.00 – 60.00 hours

Prerequisite: NC.YOGA-001 & NC.YOGA-002

Continues the theory and practice of intermediate and advanced yoga postures, including the development of skills necessary to plan, breakdown, and instruct classes. This course is the third component of the 200-hour Yoga Teacher Training Certificate program through the Yoga Alliance.

NC.YOGA-004 YOGA TEACHER TRAINING

40.00 – 50.00 hours

Prerequisite: NC.YOGA-003

Explores yoga teaching methods including techniques and styles, class management, and communication skills. Additionally, this class will address multi-level participant needs and teaching to special populations within a group setting. This course is the fourth component of the 200-hour Yoga Teacher Training Certificate program through the Yoga Alliance.

NC.YOGA-005 YOGA TEACHER TRAINING PRACTICUM

40.00 – 60.00 hours

Prerequisite: NC.YOGA-004

Develops the practical teaching skills needed to assist and lead yoga classes. Additionally, this class will cover business aspects of teaching yoga and prepare students for the comprehensive yoga exam. This course is the final component of the 200-hour Yoga Teacher Training Certificate program through the Yoga Alliance.

NC.YOGA 006 FOUNDATIONS OF TEACHING THERAPEUTIC YOGA

16.00 – 20.00 hours

Introduces the principles and practices of therapeutic yoga for yoga teachers with an emphasis on safety, accessibility, and functional anatomy. Students will explore how therapeutic yoga differs from traditional yoga while learning adapted techniques for common physical conditions such as back problems, joint issues, osteoporosis, and cardiovascular concerns. The course includes practice with props, chairs, and walls to support diverse needs and highlights yoga's role in relaxation, resilience, and overall well-being.

NC.YOGA 007 TEACH ING YOGA TO OLDER ADULTS

16.00 – 20.00 hours

Introduces the knowledge, skills, and confidence needed to safely and effectively teach yoga to older adults. The course explores the anatomy and physiology of aging, common health considerations, safe modifications and sequencing, chair and gentle yoga practices, and effective teaching methodologies. Emphasis is placed on accessibility, inclusivity, and fostering the physical, mental, and emotional well-being of older adult populations.



Faculty / Educational Administrators



Faculty/Educational Administrators

ABOULIAN, ANNIE (2019)
English Law Professor
J.D. Law.....University of Southern California
M.A. English.....California State University, Long Beach
B.A. English .....University of California, Los Angeles

ACEVES, KELLY (2015)
Mathematics (Generalist) Professor
Ph.D. Mathematics ..... Baylor University
M.S. Mathematics.....CSU Northridge
B.S. Mathematics.....Master's College

ACOSTA, CLAUDIA (1998)
Spanish Professor
Ed.D. Education..... Pepperdine University
M.A. Spanish ..... UC Riverside
B.A. Liberal Studies .....CSU San Marcos

AKIEL, RANA (2022)
Chemistry Associate Professor
Ph.D. Chemistry.....University of Southern California
B.S Biochemistry .....CSU Northridge

ALI, HIND (2023)
Chemistry Associate Professor
Ph.D. Chemistry Science.....Al – Nahrain University
M.S. Chemistry ..... University of Baghdad
B.S. Chemistry..... University of Baghdad

ALMEDA, ANN JANE (2016)
Biological Sciences (Anatomy/Physiology) Professor
M.S. Physiological Science.....UC Los Angeles
B.S. Biological Sciences..... UC Irvine

ALMERO-FABROS, KATHRINA (2023)
Faculty Clinical Coordinator Physical Therapist Assistant
B.S. Physical Therapy ..... Manila Central University

ALTENBERND, ERIK (2017)
History Professor
Ph.D. History..... UC Irvine
M.A. History .....CSU Long Beach
B.A. History.....CSU Northridge

ALVAREZ, LARRY (2017)
Administration of Justice Professor
J.D. Law.....Taft Law School
M.A. Criminal Justice.....Chadwick University
B.A. Sociology .....Bridgewater State College

AMADOR, JONATHAN (2001)
Radio/Television/Film/Multimedia/Media Production/ Music Professor
M.F.A Fine Arts ..... California Institute of the Arts
B.F.A Music..... California Institute of the Arts

ANDRADE, MEHGEN (2008)
Psychology Professor
Ph.D. Psychology .....University of Nebraska-Lincoln
M.A. Psychology ..... CSU Sacramento
B.A. Psychology.....Mills College

ANDRUS, DAVID (2007)
Political Science Professor
J.D. Law.....Southwestern University, School of Law
B.A. Political Science..... CSU Los Angeles

ANGELINO, MARY (2017)
English Professor
M.F.A. Creative Writing .....University of Arkansas
B.A. English .....CSU Northridge

APPLEN, BRITTANY (2007)
American Sign Language/Communication Studies Professor
M.A. Communication Studies ..... CSU Northridge
B.A. Deaf Studies ..... CSU Northridge

AVERY, DIANNE (2017)
Dean, Academic Innovation and Continuing Education
M.S. Forensic Psychology ..... Arizona State University
B.A. Psychology.....Brandman University

BABER, TIMOTHY (2000)
Welding Professor
B.S. Business Administration/ Finance.....CSU Northridge
A.S. Welding .....College of the Canyons

BAKER, JEFFREY (2007)
Animation Professor
B.A. Film .....Pennsylvania State University

BARNTHOUSE, ERIN (2015)
Librarian (Collection Development and Technical and Online Services) Professor
M.A. Library and Information Science..... San Jose State University
B.A. English ..... Saint Mary-of-the-Woods College

BAYTARYAN, RUZANNA (2001)
Mathematics/Engineering Professor
Ed.D. Higher Education .....Nova Southeastern University
M.S. Electrical Polytechnic Engineering.....Institute, Armenia
B.S. Electrical Polytechnic Engineering .....Institute, Armenia

BEECHER, CONSUELO (2015)
Chemistry Professor
Ph.D. Chemistry..... UC Riverside
M.S. Chemistry ..... UC Riverside
B.S. Chemistry.....CSU San Bernardino

BECTON, EDDIE (2024)
Ethnic Studies Assistant Professor
Ph.D. Africology and African American Studies..... Temple University
M.S. Social Agency Counseling..... University of Dayton

BELL, NATHANIEL (2024)
Physics Assistant Professor
M.S. Physics.....UC Los Angeles
B.S. Physics.....UC Los Angeles

BENITES, PRISCILLA
Mental Health Supervisor
M.S. Counseling, Marriage/Family Therapy .....CSU Northridge

BILBRUCK, THOMAS (1999)
Associate Dean, Financial Aid and Services
M.S. Educational Management.....University of La Verne
B.S. Economics .....CSU Bakersfield

BLAIN, MICHAELA (2023)
Astronomy Associate Professor
M.S. Astronomy .....University of Maryland
B.S. Physics.....Calvin University

BLASBERG, REGINA (2006)
Civil Engineering/Environmental Technology/Water Systems Professor
M.S. Civil Engineering .....UC Los Angeles
B.S. Civil Engineering.....Loyola Marymount University

BOLTZ, CHRISTOPHER (2016)
Technical Theater Professor
M.F.A. Theatrical Design..... University of Southern California
B.F.A. Theatre.....University of Southern California

BRAGA-MCCALISTER, CLAUDENICE (2023)
Construction Management Associate Professor
B.S. Civil Engineering..... University of Pernambuco

BRESHEARS, SARA (2018)
Librarian Professor
M.S. Library and Information Science ..... San Jose State University
B.A. English Honors.....CSU Northridge

BREZINA, JENNIFER (2001)
Associate Vice President, Instruction
Ph.D. English..... UC Riverside
M.A. English .....CSU San Diego
B.A English .....UC Los Angeles

BRILL, DAVID (2003)
Radio/Television/Film/Broadcasting Technology/Media Production Professor
B.S. Journalism.....University of Colorado

BRILL-WYNKOOP, WENDY (1997)
Photography/Art Professor
M.F.A Art .....CSU Fullerton
B.F.A Fine Art.....University of Southern California

BRONCO, KELLY (2023)
Heath Science Associate Professor
M.S Family & Consumer Sciences .....CSU Northridge
B.A Kinesiology/Athletic Training .....CSU Northridge

BURGDORFER, JASON (2016)
Geography/Geology Professor
M.A. Geography..... The George Washington University
B.A. Geography .....UC Santa Barbara
A.A. History.....College of the Canyons
A.S. Biological and Physical Sciences.....College of the Canyons

BURIEL, JUAN (2007)
English Professor
Ph.D. Comparative Literature ..... UC Irvine
M.A. Comparative Literature..... UC Irvine
M.A. American Studies .....University of New Mexico
B.A. American Studies and Communication.....University of New Mexico

CARRILLO, ADINA (2011)
Nursing/Health Professor
M.S.N. Nursing .....UC Los Angeles
B.S. Nursing.....CSU Fullerton
A.S. Nursing..... Rio Hondo College

CHARI, JEANNIE (2007)
Biology/Health/Environmental Sciences Professor
M.S. Biology.....CSU Northridge
B.S. Biology and Geography – Ecosystems .....UC Los Angeles

CHAUCA, FIORELLA (2022)
Spanish/Education Associate Professor
M.Ed. Educational Management.....University of La Verne
B.A. Spanish Language and Culture ....CSU Northridge
A.A. Spanish .....College of the Canyons

CHENG-LEVINE, JIA-YI (2005)
Dean, International Affairs and Global Engagement
Ph.D. English..... Indiana University of Pennsylvania
M.A. English.....University of Georgia
B.A. English .....Tamkang University

CHU, HENCELYN (2014)
Director, Medical Laboratory Technologies Professor
Ph.D. Microbiology..... Oregon State University
B.A. Medical Technology .....Andrews University

CHUNG, CHRISTINA (2018)
Business Professor
M.B.A. Business Administration.....CSU Northridge
B.A. Business Administration, Human Resources Management.....CSU Northridge

CIARDI, TERESA (2007)
Physical Science/Physics/Astronomy Professor
M.S. Physics.....University of Wyoming
B.A. Astronomy & Physics ..... Boston University

COLEMAN, KATHRYN (2015)
Sociology Professor
M.A. Sociology.....CSU Northridge
B.A. Sociology .....UC, Santa Barbara

COLLIS, GARY (2017)
Business/Business Law Professor
J.D. Law.....Pepperdine University of Law
B.S. Business Administration.....University of Illinois

COTA, CHRISTOPHER (2002)
Physical Education/Health Professor/Head Coach Men's Baseball
M.Ed. Physical Education.....Azusa Pacific University
B.A. Physical Education.....CSU Northridge
A.S. Math/Science.....College of the Canyons

COTTI, NADIA (2021)
Dean of Instruction (School of Health Professionals and Public Safety)
Ed.D Education.....Northeastern University
M.A. Counseling.....Loyola Marymount University
B.A. Psychology.....Loyola Marymount University

COX, SARAH (2021)
Director of Student Resources and Basic Needs
M.A. Social Work.....Simmons College and Hebrew University
B.A. Social Work.....CSU Chico

CRATER, MATTHEW (2024)
Director of Athletics, Student Engagement & Student Services
M.S. Kinesiology.....Fresno Pacific University
B. S. Secondary Education.....University of Montana Western

CROWLEY, JESSICA (2022)
Emergency Medical Technician Associate Professor
B.S. Health Administration.....University of Phoenix

CUDE, KELLY (2007)
Molecular Biology Professor
Ph.D. Biology.....University of Washington
B.S. Genetics.....UC Davis

DAYBELL, MARK (2000)
Multimedia/Media Production/Photography (Technology & Commercial Photography) Professor
M.F.A. Art.....CSU Fullerton
B.S. Applied Art and Design.....California Polytechnic State University, San Luis Obispo

DELANEY, ERIN (2015)
English Professor
M.A. English.....CSU Northridge
B.A. Honors in English.....CSU Northridge

DEMERJIAN, MARLENE (1990)
Mathematics/Education Professor
Ed.D. Higher Education.....Nova Southeastern University
M.A. Applied Mathematics.....UC Los Angeles
B.S. Applied Mathematics.....UC Los Angeles
A.A. Mathematics.....Glendale Community College

DHILLON, LAKHWINDER (2023)
Faculty Director, Diagnostic Medical Sonography
B.S. Construction Management.....CSU, Fresno
Diagnostic Sonography Certificate.....Sanford Brown Institute

DIAZ, VIYAKAN (2021)
Nursing/Health Associate Professor
M.S.N. Nursing.....CSU Dominguez Hills
B.S.N. Nursing.....CSU Dominguez Hills
A.D.N. Nursing.....College of the Canyons

DIMAKOS, ALEXANDRA (2015)
English Professor
M.A. English.....CSU Northridge
B.A. Honors in English.....CSU Northridge

DIMOCK, CHASE (2017)
English Professor
Ph.D. Comparative and World Literature.....University of Illinois
M.A. Comparative and World Literature.....University of Illinois

DORONIO, SHANNON (2017)
Graphic & Multimedia Design Professor
M.F.A. Graphic Design.....Vermont College
B.A. Graphic Design.....Otis College of Art & Design

DOTTER, HEATHER (2018)
Nursing Professor
M.S. Nursing.....Western Governors University
B.S. Nursing.....Samuel Merritt University

DUNCAN, SYLVIA (2016)
Nursing (Medical/Surgical) Professor
Doctorate of Nursing Practice (DNP).....Grand Canyon University
M.S. Nursing Education.....Excelsior College
B.S. Nursing.....Excelsior College

ERWIN, STEVEN (2008)
Associate Dean, Admissions, Records, and Veteran Services
M.A. Music.....Washington State University
M.A. Educational Counseling.....Washington State University
B.A. Music.....Washington State University

ETHERIDGE, SARAH (2015)
Anthropology Professor
Ph.D. Public Health.....Walden University
M.A. Anthropology.....CSU Fullerton
B.A. Anthropology.....Texas A&M University

FAUDREE, NICOLE (2007)
Paralegal Studies/Business Law/Political Science Professor
J.D. Law.....Pepperdine University
B.S. Education.....University of Georgia

FELIX, MICHAEL (2022)
History Associate Professor
M.A. History.....CSU Northridge
B.A. Communications.....Loyola Marymount University

FERGUSON, CHRISTOPHER (1999)
Computer Science/Office Technology Professor
M.S. Computer Science.....CSU Northridge
B.S. Computer Science.....CSU Northridge

FISHER, HOWARD (2000)
Physical Education Professor Head Coach, Men's Basketball Professor
M.A. Physical Education.....UC Los Angeles
B.A. Physical Education/ Recreation.....Whittier College
A.A. Liberal Arts..... Los Angeles Pierce College

FLANAGAN, STEPHEN (2023)
Biology Associate Professor
Ph.D. Biological Sciences..... University of Southern Mississippi
M.S. Biology..... Eastern Washington University
B.S. Biology ..... Eastern Washington University

FOLEY, PATRICIA (2016)
Engineering Instructor
Ph.D. Chemical Engineering..... Cornell University
B.S. Biochemistry ..... University of Nebraska
B.S. Biological Systems..... University of Nebraska Engineering

FOOTE, AMY (2016)
Director, Mathematics, Engineering, Science Achievement (MESA) Program
M.S. Biology.....CSU Northridge
B.S. Marine Biology .....CSU Northridge

FRANCIS, WILBERT (2022)
Director, Academic Accommodations
Ph.D. Educational Leadership .....San Diego SU
M.B.A. Finance ..... University of the Virgin Islands
B.A. Business Administration.....University of the Virgin Islands

FRANCO, LAUREN (2023)
Counselor (AAC) Associate Professor
M.S. Counseling .....CSU Northridge
B.A. Deaf Studies .....CSU Northridge

GABAY, LEORA (2020)
Kinesiology/Physical Education/Health Professor
Ed.D. Educational Leadership .....CSU Northridge
M.S. Kinesiology.....CSU Northridge
B.S. Kinesiology/General Studies.....CSU Northridge

GARCIA, EVELYN (2023)
Director, EOPS/CARE, CalWorks & Rise
M.S. Counseling .....CSU Northridge
B.A. Child Development.....CSU Northridge
B.A. Psychology……...CSU Northridge

GARCIA, PATRICIA (2015)
Counselor Professor
M.S. Counseling & Guidance.....California Lutheran University
B.A. Latin American Studies .....UC Los Angeles

GEAR SISON, DEBORAH (2005)
American Sign Language Professor
M.A. Special Education.....CSU Northridge
B.A. Deaf Studies .....CSU Northridge
A.A. Interpreting..... Los Angeles Pierce College

GELKER, NECIA (2007)
Art History Professor
Ph.D. Art History .....University of Southern California
M.A. Art History..... University of Southern California
B.A. Fine Arts (Art History).....University of Southern California

GEORGE, JAYA (2023)
Faculty Director, Pharmacy Technician Program
B.A. Career and Technical Education.....Eastern New Mexico University
Pharmacy Technician Certification… ..... North West College

GEORGE, TRICIA (2015)
English Professor
Ph.D. English..... University of Tennessee
M.A. English..... University of Illinois at Chicago
B.A. Industrial Engineering ..... Northwestern University

GIBSON, COLLETTE (1999)
Mathematics Professor
M.A. Mathematics..... UC Los Angeles
B.S. Applied Mathematics..... UC Los Angeles
A.S. Mathematics..... College of the Canyons

GILMORE, JAMES (2001)
Mathematics Professor
M.S. Mathematics. .....CSU Northridge
B.A. Mathematics..... UC Berkeley

GISEL, THOMAS (2021)
Chemistry Associate Professor
M.S. Biochemistry.....University of Wisconsin, Madison
B.S. Natural Science ..... University of Wisconsin, Madison

GLAPA-GROSSKLAG, JAMES (1999)
Dean, Education Technology, Learning Resources, and Online Education
M.A. History/Humanities ..... University of Chicago
B.A. History.....Illinois Wesleyan University

GOLLNICK, MICHAEL (2023)
Construction Technology Apprenticeship Associate Professor
Journeyman's Certificate..... United Brotherhood of Carpenters & Joiners of America

GOODMAN, JEREMY (2014)
Mathematics Professor
M.A. Mathematics..... San Diego State University
B.S. Mathematics..... UC San Diego

GOTT, CARLY (2021)
Geology Associate Professor
M.S. Geological Sciences..... UC Riverside
B.S. Biological Sciences ..... California Polytechnic State University, Pomona
A.A. Liberal Arts.....Crafton Hills College

GREGOR, JEFFREY (2022)
Assistant Superintendent/Vice President, Workforce and Economic Advancement
M.B.A. .....University of Phoenix
B.S. Emergency Medical Science.....University of New Mexico

GRIGORYAN, ANZHELA (2008)
Mathematics Professor
M.S. Mathematics ..... CSU Northridge
B.S. Mathematics..... CSU Northridge

GURTOVOY, JASON (2023)
Economics Associate Professor
M.A. Economics..... University of San Francisco
B.A. Economics ..... University of San Francisco

GUSSIN, PHIL (2012)
Political Science Professor
Ph.D. Political Science..... UC Los Angeles
M.A. Political Science ..... UC Los Angeles
M.A. Political Science ..... UC Berkeley

HAMAWE, SAMIR (2022)
Counselor Assistant Professor
M.S. College Counseling ..... CSU Northridge
B.A. Psychology..... CSU Northridge

HANDS, LONI (2025)
Biology Assistant Professor
M.A. Biology..... CSU Northridge
B.A. Biology ..... CSU Northridge

HAPPEL, HARRIET (2017)
Dean, Career Education, Integrative Learning, and Career Services
M.B.A. ..... Keller Graduate School of Management
B.A. Political Science ..... UC San Diego

HARRIS, ANGELA (2015)
Counselor (Financial Aid) Professor
M.S. Counseling ..... CSU Northridge
B.A. Liberal Studies ..... CSU Northridge

HARUTUNIAN, MICHAEL (1999)
English/History/Humanities Professor
M.A. English ..... CSU Northridge
B.A. History..... CSU Northridge
B.A. English Literature..... CSU Northridge
A.A. General Education ..... College of the Canyons

HEPBURN, PETER (2013)
Head Librarian Professor
Ed.D. Leadership and Innovation ..... Arizona State University
M.L.S. .....McGill University
B.A. Political Science.....University of Victoria
A.S. HR Management..... Community College of the Air Force

HILLARY, ANNA (2024)
Faculty Director, Occupational Therapy Assistant Program
M.A. Communication ..... Grand Canyon University
M.S. Sociology..... Grand Canyon University

HILST, BRANDON (2007)
Mathematics Professor
M.S. Mathematics ..... CSU Northridge
B.A. Mathematics..... The Master's College

HITT-ZUNIGA, HOLLY (2017)
Interior Design Professor
M.S. Sustainable Design ..... Philadelphia University
B.S. Interior Design..... Woodbury University

HONADEL, TIM (2014)
Director, International Services and Programs (ISP)
M.S Environmental and Occupational Health Science..... ..... CSU Northridge
B.S Environmental and Occupational Health Science.. ..... …CSU Northridge

HOOPER, GARRETT (2008)
Counselor Professor
M.S. Counseling/MFT ..... CSU Northridge
B.A. Religious Studies ..... CSU Northridge

HOOPER, LISA (2001)
Physical Education/Health Professor Women's Volleyball
M.A. Kinesiology .....CSU Long Beach
B.S. Nutrition..... Pepperdine University

HOUGHTON, RACHAEL (2009)
Nursing/Health Professor
M.S.N. Nursing .....UC Los Angeles
B.S.N. Nursing .....UC Los Angeles
A.S. Nursing ..... College of the Canyons

HOVDEN, JULIA (2014)
Counselor Professor
M.S. Psychology..... Pepperdine University
B.A. Liberal Studies .....CSU Chico

HUBBARD, MIKE (2016)
Mathematics Professor
M.S. Mathematics ..... CSU Northridge
B.S. Mathematics..... UC Santa Barbara

HUNT, JUSTIN (2021)
Computer Information Systems/Network Technology Associate Professor
M.S. Information Technology .....Arizona State University
B.S. Information Technology.....Arizona State University
A.S. Computer Science .....College of the Canyons

IACENDA, TED (2013)
Physical Education Professor/Head Coach, Football
M.S. Sports Management..... US Sports Academy
B.A. University Studies ..... University of New Mexico

ISKANDER, CHRISTINE (2017)
English Professor
M.S. Comparative and General Literature ..... The University of Edinburgh
B.A. Comparative Literature ..... UC Irvine

JADAON, VICTOR (1999)
Computer Information Technology/Computer Science/ Computer Electronics/Education Professor
M.S. Educational Technology ..... National University
B.S. Electrical Engineering ..... Golden State University
B.S. Computer Science ..... National University

JARAMILLO, JUANITA (2022)
Nursing Associate Professor
Ph.D. Nursing ..... CSU Fresno
M.S. Nursing Education ..... CSU Dominguez Hills
B.S. Nursing..... University of Mississippi

JOHNSON, JULIANNE (2017)
History Professor
Ph.D. History..... Claremont Graduate University
M.A. History ..... University of Nebraska at Kearney
B.A. Social Science ..... Western Governors University

JONES-CATHCART, ANDREW (2007)
Philosophy Professor
Ph.D. Philosophy ..... University of South Carolina
M.A. Philosophy..... Boston College
B.A. Philosophy ..... Assumption College
A.A. Liberal Arts ..... Quinsigamond CC

JUNEJA, URVASHI (2020)
Computer Science Assistant Professor
M.S. Computer Science..... CSU Los Angeles

KAISERMAN, ADAM (2013)
English Professor
Ph.D. English ..... UC Irvine
M.A. English..... UC Irvine
B.A. English ..... UC Santa Barbara

KAMINSKY, ADAM (2018)
Communication Studies (Speech Communications) Professor
M.A. Communication Studies ..... CSU Northridge
B.A Communication Studies ..... CSU Northridge

KAMINSKY, ALISHA (2017)
Career Counselor Professor
M.S. Counseling ..... Loyola Marymount University
B.A. Communication Studies..... CSU Northridge

KANE, BELINDA (1999)
Physical Education Professor
M.Ed. Physical Education..... Azusa Pacific University
B.A. Physical Education..... CSU Northridge

KARIM, BAVAND (2023)
Filmmaking Associate Professor
M.F.A. Cinema-Television ..... Southern Methodist University
B.A. Government and Politics..... University of Texas at Dallas

KAWAMOTO, KEITH (2013)
Fire Technology Professor
B.A. History..... University of Notre Dame

KELLER, MAX (2020)
Film Studies Professor
M.F.A. Film &Television Producing. .....Chapman University
B.A. Film Studies ..... CSU Berkeley
A.A. Transfer Studies..... College of the Canyons

KEMPLER, ADAM (1997)
English/Psychology/Physical Education Professor
M.A. English Literature ..... CSU Long Beach
B.A. English ..... CSU Long Beach
A.A. General Education ..... Orange Coast College

KENDALL, DONALD (2023)
Water Systems Technology Associate Professor
Ph.D. Civil Engineering..... UC Los Angeles
M.S. Engineering ..... UC Los Angeles
B.S. Engineering..... Loyola Marymount University

KICENSKI, KARYL (2000)
Communication Studies/Sociology Professor
Ph.D. Cultural Studies ..... George Mason University
M.A. Speech Communication ..... CSU Northridge
B.A. Speech Communication..... CSU Northridge

KOH, ISAAC (2023)
Chemistry Associate Professor
Ph.D. Chemical Engineering……. University of Maryland
M.S. Engineering……..... Seoul National University

KOVACEV-NIKOLIC, VIOLETA (2016)
Mathematics Professor
M.S. Statistics ..... University of Alberta, Edmonton, Canada
M.S. Applied and Computational Mathematics ..... Western Michigan University

KUBO, KATHY (2000)
Mathematics/Business/Accounting Professor
M.A. Mathematics ..... UC Los Angeles
B.S. Business Administration..... UC Berkeley

LABRIE, MICHELLE (2002)
Psychology/Counselor Professor
M.A. Psychology ..... Pepperdine University
B.A. Psychology..... UC Santa Cruz
A.A. Social Science ..... College of the Canyons

LANE, SHAUNASEY (2019)
Nursing Professor
M.S. Nursing Education ..... Western Governors University
B.S. Nursing..... Arizona State University

LARSEN, KEVIN (2024)
Manufacturing Technology Associate Professor
B.S. Product Design ..... Art Center College of Design

LE, LUONG (1999)
Mathematics Professor
M.S. Mathematics ..... UC Riverside
B.S. Mathematics..... UC Davis
A.S. Mathematics..... College of the Canyons

LEE, SAMUEL (2023)
Economics Associate Professor
Ph.D. Economics ..... Claremont University
M.B.A. Business Administration..... Yonsei University
B.A. Economics ..... UC San Diego
B.A. Psychology..... UC San Diego

LEE, STEPHANIE (2008)
AAC Counselor/Psychology Professor
Ph.D. Clinical Psychology..... Alliant University
M.A. Psychology ..... Alliant University
M.A. Education/Educational Psychology ..... CSU Northridge
B.S. Biological Sciences ..... UC Davis

LEUNG, SIN YEE (2023)
Art (Studio) Associate Professor
M.F.A. Art ..... University of Florida
B.F.A. Studio Art..... Queens College, New York

LICHTSCHEIDL, ALEJANDRO (2023)
Chemistry Associate Professor
Ph.D. Chemistry..... Massachusetts Institute of Technology
B.S. Chemistry..... UC Irvine

LING, SUSAN (2008)
Counselor (AAC) Professor
M.S. College Counseling ..... CSU Northridge
B.A. Journalism..... Long Island University

LIPMAN, MELANIE (1998)
Computer Information Technology/Office Technology/ Education Professor
M.S. Instructional Leadership/ Educational Admin ..... National University
B.S. Secretarial ..... Fairleigh Dickinson University
A.A. Liberal Arts ..... Nassau Community College

LLAGUNO, MARCO (2017)
Philosophy Professor
M.A. Philosophy..... CSU Los Angeles
B.A. Philosophy ..... CSU Los Angeles

LOAIZA, ALBERT (2011)
Counselor, Student Athletes/Sociology Professor
M.S. Counseling ..... University of La Verne
B.A. Sociology ..... CSU San Bernardino

LOVE, MICHAEL (2007)
Communication Studies (Forensics)/English Professor
M.A. Speech Communication ..... CSU Los Angeles
B.A. English Literature ..... CSU Northridge

LOZANO, DORA (2011)
Counselor (EOPS) Professor
M.S. Educational Counseling..... University of La Verne
B.A. Public Administration..... CSU Dominguez Hills
A.A. General Studies ..... Cerritos College

LUNDIN, JUSTIN (2016)
Physical Education Professor, Head Coach, Women's Soccer
M.S. Kinesiology ..... CSU Northridge
B.S. Kinesiology..... CSU Northridge

MACIAS, ROMINA (2024)
Academic Field Coordinator, Occupational Therapy Assistant
M.S. Sociology..... Grand Canyon University
B.A. Liberal Studies ..... St. Catherine University
A.A. Occupational Therapy Assistant ..... St. Catherine University

MACLEAN, HEATHER (2001)
ESL Professor
Ph.D. Educational Technology.... Pepperdine University
M.A. TESOL..... Monterey Institute of International Studies
B.A. German/Russian ..... Bradford University

MACPHERSON, WILLIAM (2016)
Music Professor
M.A. Music ..... San Diego State University
B.A. Music..... Berklee College of Music

MAHAN, TAMMY (2005)
Psychology Professor
Ph.D. Psychology ..... UC Los Angeles
M.A. Psychology ..... CSU Bakersfield
B.S. Psychology..... California Polytechnic State University, San Luis Obispo

MALLEY, LISA (2007)
Anthropology Professor
M.A. Anthropology ..... CSU Fullerton
B.A. Anthropology ..... CSU Long Beach
A.A. Anthropology ..... Orange Coast College

MANORAT, MILAN (2026)
Clinical Coordinator, Diagnostic Medical Sonography
B.S. Marketing ..... CSU Northridge
A.S. Diagnostic Medical Sonography ..... Casa Loma College

MANUEL, MARY (2015)
Director, Student Health and Wellness
M.S. Nursing ..... University of Phoenix
B.S. Nursing..... University of Phoenix
A.S. Liberal Art/RN..... Los Angeles Valley College

MARCELLIN, PHILIP (1998)
Physical Education/Health/Education Professor
M.Ed. Education/Physical Education/ Athletic Administration..... University of Toledo
B.S. Physical Education-Teaching/ Coaching..... California Polytechnic State University, San Luis Obispo

MARCHESAN, ANN (2023)
Counselor (Canyons Promise) Associate Professor
M.A. School Counseling ..... Loyola Marymount University
B.S. Marketing ..... CSU Northridge

MARENCO, ANNE (2007)
Sociology Professor
Ph.D. Sociology ..... University of Southern California
M.A. Sociology..... University of Southern California
M.A. Family & Consumer Services ..... CSU Northridge
B.A. Family & Consumer Services..... CSU Northridge

MARTINEZ, GRACIELA (2015)
Counselor (CalWORKS) Professor
M.S. Educational Counseling..... University of La Verne
B.S. Human Services and Community Organization ..... CSU Fullerton

MATSUMOTO, SABURO (2007)
Mathematics Professor
Ph.D. Mathematics ..... University of Michigan
M.S. Mathematics ..... Virginia Polytechnic Institute and State University

MAXWELL, ROBERT (2001)
Business/Accounting/Marketing & Management Professor
M.B.A Marketing ..... Wichita State University
B.A. Accounting ..... Wichita State University

MCCAFFREY, MICHAEL (2007)
Art Professor
M.F.A. Art & Design.....University of Illinois
B.A. Painting.....Glasgow School of Art

MCCUTCHEON, ANDREW (2012)
Dean of Instruction (School of Humanities and Visual and Performing Arts)
M.A. English.....Tulane University
B.A. English.....University of Maryland
A.A. English.....Frederick Community College

MCMAHON, HEIDI (2011)
Chemistry Professor
M.S. Chemistry.....The University of Iowa
B.S. Chemistry.....Minnesota State University Mankato

MEREDITH, STEPHANIE (2022)
Anthropology (Biologic/Forensics) Associate Professor
Ph.D. Anthropology.....Arizona State University
M.A. Anthropology.....Arizona State University
B.S. Biological Anthropology and Anatomy.....Duke University

MICHAELIDES, ANTHONY (2001)
Dean, Campus Services & Operations (Canyon Country Campus) and Career Center
M.S. Psychology.....CSU Los Angeles
B.A. Behavioral Science.....California State Polytechnic University, Pomona

MICHAELS, DAVID (2011)
Physics/Astronomy Professor
M.S. Physics.....UC Davis
B.S. Physics.....University of Arizona
B.A. Psychology.....UC Santa Barbara

MILIAN, MIREYA (2024)
Counselor (STEM/LatinX) Assistant Professor
M.S Counseling.....California Lutheran University
B.A. Linguistics.....UC Santa Barbara

MIURA, KRISTA (2018)
Nursing Professor
M.S. Nursing Education.....Western Governors University
B.S. Nursing.....National University
A.A. Nursing.....College of the Canyons

MOKHNATKINA, ALEXANDRA (2021)
Biology/Health Associate Professor
M.S. Biology……CSU Northridge
B.A. Biology and Psychology.....CSU Northridge

MONOSOV, NADEZHDA (2017)
Psychology Professor
Ed.D. Educational Leadership.....CSU Fresno
M.A. Psychology.....CSU Northridge
B.A. Psychology.....CSU Northridge

MORRIS, ANTHONY (2024)
Counselor (Ujima) Assistant Professor
M.Ed. Counseling….....University of LaVerne
B.A. Theater Arts.....UC Riverside

MOSLEH, MAJID (2001)
Political Science Professor
Ph.D. Political Science.....University of Southern California
M.A. Political Science.....University of Southern California
B.A. Political Science/ World Politics.....CSU Los Angeles

MULLINS, ERICA (2025)
Biology Assistant Professor
M.A. Environmental Studies.....UC Santa Cruz
M.S. Biology.....CSU Bakersfield

NADDAFPOUR, ALI (2017)
Business/Accounting Professor
M.B.A. Financial Management.....National University
B.B.A. Accountancy.....National University

NEWCOMER, CAITLIN (2017)
English Professor
Ph.D. English.....Florida State University
M.F.A. English.....The Ohio State University
B.A. English.....St. Mary's College of Maryland

NGUYEN, ANH (2013)
Counselor (ISP) Associate Professor
Ph.D. Psychology.....Grand Canyon University
M.S. Counseling.....California Lutheran University
M.A. Educational Administration.....CSU Northridge
B.A. Political Science.....CSU Northridge

NIGHT, KIMBERLY (2022)
Automotive Technology Associate Professor
A.S Automotive Technology.....College of the Canyons

OLIVER, JASON (2015)
Architecture Professor
M.A. Architecture.....University of Colorado, Denver
B.A. Environmental Design.....University of Colorado, Boulder

ORTEGA, AIVEE (2014)
Counselor (3SP – Student Success and Support Programs) Professor
Ph. D. General Psychology… Grand Canyon University
M.S. School Counseling.....University of La Verne
B.A. Social Work.....Azusa Pacific University

OTTO, DANIEL (2015)
Culinary Arts (Restaurant Operations) Professor
A.A. Occupational Studies.....Le Cordon Bleu

OVERDEVEST, JENNIFER (2023)
Filmmaking Associate Professor
M.A. Mass Communication.....CSU Northridge
B.A. Radio-Television Broadcasting.....CSU Northridge

PALMER, ANAID (2001)
Mathematics/Education Professor
Ed.D. Higher Educational Leadership.....Nova Southeastern University
M.S. Mathematics.....CSU Los Angeles
B.S. Mathematics.....CSU Los Angeles

PARIS, JENNIFER (2017)
Early Childhood Education Professor
M.S. Family and Consumer Sciences ..... University of Nebraska
B.A. Family and Consumer Sciences/Child Development..... Chadron State College

PARTIDA, BRYANT (2024)
Ethnic Studies Assistant Professor
Ed.D. Education .....UC Los Angeles
M.A. Counseling .....CSU Northridge
B.A. Political Science/Liberal Studies.....Arizona State University

PATRICH, JEREMY (2018)
Geography Professor
M.A. Geography..... CSU Northridge
B.A. Geography .....CSU Northridge
A.A. Transfer Studies.....College of the Canyons

PENNINGTON, SHERRILL (1999)
History/Chinese Professor
M.A. History ..... Columbia University
B.A. Secondary Education..... University of Missouri
B.A. History & Asian Studies.....Northwestern University

PETERS, CHAD (2024)
Dean, Kinesiology, Health & Wellness, Fitness and Athletics
M.S. Health, Physical Education and Recreation…..Emporia State University
M.S. Administration Healthcare Management……..CSU Bakersfield
B.S. Kinesiology-Sports Medicine……CSU Fresno

PEVSNER, DAVID (2022)
Faculty Director, Physical Therapy Assistant Program
Ph.D. Physical Therapy .....A.T. Still University
B.S. Physical Therapy .....CSU Long Beach

POWELL, MARY (2015)
English Professor
Ph.D. English.....Claremont Graduate University
M.A. English.....Claremont Graduate University
B.A English/Mathematics..... The Master's College

POZO-GRAVETT, LUCIA (2016)
Spanish Professor
M.A. Spanish .....CSU Northridge
B.A. Social Work.....Catholic University of Peru

QUIRE, GARY (2018)
Business/Hotel & Restaurant Management Professor
M.B.A Business Administration.....University of Redlands
B.S. Business and Management .....University of Redlands

RAMEY, CHRISTOPHER (2019)
Biology Professor
Ph.D. Microbiology, Immunology and Molecular Genetics.....UC Los Angeles
B.S. Microbiology, Immunology and Molecular Genetics.....UC Los Angeles

RAMIREZ, HERNAN (2017)
Sociology Professor
Ph.D. Sociology .....University of Southern California
B.A. Sociology .....UC Los Angeles

RAZZANO, MICHELLE (2017)
Culinary Arts Professor
A.A. Culinary Arts.....Los Angeles Trade Technical

REARDON, APRIL (2016)
Counselor (EOPS/CARE) Professor
M.S. Educational Counseling..... University of La Verne
B.S. Social Science .....Chapman University
A.A Transfer Studies-CSU .....College of the Canyons

REQUEJO, THOMAS "SONNY" (2015)
Counselor Professor
M.S. Counseling .....CSU Fresno
B.A. Psychology.....CSU Fresno

RIECK, GARRETT (2018)
Faculty Director, Continuing and Adult Education
M.A. Kinesiology .....CSU Chico
B.A. Kinesiology.....CSU Chico
A.A. Liberal Arts .....Santa Ana College

RIFFEL, BRENT (2008)
History Professor
Ph.D. History.....University of Arkansas
M.A. History .....University of Arkansas
B.A. History.....Hendrix College

RIOS, LORI MARIE (2007)
Music Professor
M.A. Music ..... University of Nevada
B.A. Music..... CSU Los Angeles

RIVEIRA, BENJAMIN (2015)
Computer Science Professor
M.S. Computer Science..... CSU Northridge
B.S. Computer Science ..... CSU Northridge
A.A. TV Production ..... Leeward Community College

RIVEIRA, DEANNA (2001)
Psychology Professor
Ed.D. Higher Education .....University of Southern California
M.A. Clinical Psychology ..... Pepperdine University
B.A. Psychology.....University of Hawaii

RORICK, TINA (2009)
Nursing Lab Coordinator
Doctorate of Nursing Practice (DNP)..... Grand Canyon University
M.S.N. Nursing .....CSU Dominguez Hills
B.S.N. Nursing ..... CSU Los Angeles

ROSALES, RICARDO (2012)
Biology/Health Professor
M.S. Biology..... CSU Northridge
B.A. Biology ..... CSU Northridge

ROTONDO, MARK (2025)
Faculty Director, Fire Academy Programs
A.A. Fire Technology.....Santa Ana College
A.A. Business Administration..Long Beach City College

RUIZ, WENDY (2017)
Early Childhood Education Professor
M.S. Child Development/ Child Life..... University of La Verne
B.A. Child Development ..... CSU Northridge

RUYS, JASMINE (2001)
Superintendent/President, Santa Clarita Community College District
Ed.D. Organizational Leadership.....University of La Verne
M.S. Educational Counseling .....University of La Verne
B.A. History..... California Lutheran University

RYAN, OCTOBER (2019)
Assistant Director, The Tutoring and Learning Center
M.S. Clinical Psychology ..... Virginia Polytechnic Institute and State University
B.A. Psychology ..... Averett University

SALVATIERRA, COLLETTE (2023)
Librarian Associate Professor
M.L.I.S Library and Information Science.....UCLos Angeles
M.A. History ..... CSU Los Angeles
B.A. History..... CSU Los Angeles

SANVER-WANG, DILEK (2012)
Biology/Health Professor
M.S. Biology..... UC Irvine
B.S. Biology ..... UC Irvine
B.A. Integrative Biology ..... UC Berkeley

SASSOON, SAMUEL (2025)
Counselor (Transfer Emphasis) Assistant Professor
M.S. Counseling .....CSU Long Beach
B.A. Sociology ..... UC Berkeley
A.A. Liberal Arts and Sciences ... Santa Monica College

SCHWANKE, CINDY (2007)
Culinary Arts Professor
A.A. Food Management Production..... Los Angeles Mission College

SEUBERT, ERICA (2018)
Biology Professor
Ph.D. Biology.....University of Southern California
B.S. Biology .....Long Island University

SHAKER, ELIZABETH (2005)
Counselor/Education Professor
M.S. Education .....University of Southern California
B.A. Psychology..... UC San Diego

SHEPHERD, REBECCA (1996)
Psychology Professor
M.A. Psychology..... University of Nebraska
B.S. Psychology..... UC Davis

SHERARD, TRACEY (2001)
English Professor
Ph.D. English..... Washington State University
M.A. English.....CSU San Francisco
B.A. English .....CSU Fresno

SHERRY, MICHAEL (2004)
Mathematics Professor
M.S. Math .....CSU Northridge
B.S. Math .....CSU Northridge

SHOEMATE, JOY (2016)
Director, Online Education
M.B.A. ..... California Lutheran University
B.A. Psychology and Sociology.....University of Southern California

SHUKLA-BELMONTES, MONICA (2025)
Dean of Instruction (Business and Applied Technologies)
Ph.D. Education.....Chapman University
M.S. Business Administration ..... University of Southern California
M.A. Organizational Leadership .... Chapman University
M.S. Human Resources..... Chapman University
B.A. Communication Studies..... Chapman University
B.A. Mathematics..... Chapman University

SILVA, AMBIKA (2016)
Mathematics (Statistics Specialist) Professor
Ed.D. Organizational Leadership.....University of La Verne
M.S. Mathematics .....CSU Northridge
B.S. Mathematics.....UC Los Angeles

SILVA, DUSTIN (2013)
Mathematics Professor
Ed.D. Organizational Leadership.....University of La Verne
M.S. Mathematics .....CSU Northridge
B.S. Mathematics.....UC Los Angeles

SILVERMAN, MILES (2021)
Chemistry Associate Professor
M.S. Chemistry .....UC Los Angeles
B.A. Chemistry, Mathematics.....Vanderbilt University

SIONKO, DIANE (2000)
Business & Management/History Professor
M.B.A Management .....UC Los Angeles
B.A. History..... University of Buffalo

SKOCH, HILARY (2020)
Nursing/Health Assistant Professor
M.S. Nursing..... Sacred Heart University
B.S. Nursing ..... Sacred Heart University
A.S. Nursing.....College of the Canyons
A.S. Biological and Physical Science ..... College of the Canyons

SLAUGHTER, CLINTON (2022)
Interim Assistant Superintendent/Vice President, Student Services
M.P.A. .....CSU Chico
B.A. Social Science .....CSU Chico

SOLOMON, OLGA DIANE (1998)
Counselor (AAC)/Psychology Professor
M.Ed. Educational and Counseling Psychology .....University of Missouri-Columbia
B.A. Psychology..... San Diego State University
A.A. Liberal Arts..... Los Angeles Pierce College

SORNBORGER, GARY (2007)
Auto Technology Professor
B.A. Industrial Arts ..... CSU Los Angeles
A.A. Liberal Arts..... Los Angeles Pierce College

STACK, XANTH (2022)
Land Surveying Associate Professor
B.S. Construction Engineering Technology..... California Polytechnic State University, Pomona
A.S. Land Surveying..... College of the Canyons

STANICH, DIANA (1987)
Physical Education/Dance/Business & Management/ Marketing Professor
M.A. Physical Education/Dance.....CSU Long Beach
M.B.A. Business ..... University of La Verne
B.S. Kinesiology/Dance .....UC Los Angeles

STANTON, GRETCHEN (2020)
Chemistry Professor
Ph.D Chemistry..... University of Pennsylvania
B.S. Chemistry..... UC Riverside

STEARS, DAVID (2018)
Drama/Theatre Arts Professor
M.A. Public Administration..... CSU Northridge
B.A. Theatre/Acting..... California Institute of the Arts
A.A. Theatre.....Suffolk County Community College

STEVENSON, DAVID (1999)
Communication Studies Professor
M.A. Information & Communication Studies.....CSU Chico
B.A. Information & Communication Studies.....CSU Chico

STOKES-RICE, TAMMERA (2015)
Interim Dean of Instruction (School of Social and Behavioral Sciences)
M.A. Communication Studies ..... CSU Northridge
B.A. Dance.....Missouri State University

STRIEPE, KARL (2020)
Political Science Associate Professor
M.A. Social and Political Thought with Distinction.....University of Sussex, England
B.A. English Language and Literature.....University of Chicago

SU, BOO (2001)
Economics Professor
Ph.D. Economics .....Michigan State University
M.A. Economics.....Michigan State University
B.A. Economics ..... Korea University

TEACHOUT, MATTHEW (2005)
Mathematics Professor
M.S. Mathematics..... CSU Northridge
B.S. Mathematics..... CSU Northridge

TERZIAN-ZEITOUNIAN ALENE (2002)
English Professor
Ed.D. Leadership and Innovation .....Arizona State University
M.F.A. Creative Writing .....CSU Chico
M.A. English..... CSU Northridge
B.A. English ..... CSU Northridge

THOMAS, DANIEL (2023)
Biology (Anatomy & Physiology) Associate Professor
M.S. Biology..... CSU Northridge
M.S. Education ..... California Lutheran University
B.A. English ..... California Lutheran University

THOMPSON, JENNIFER (2018)
Librarian Associate Professor
M.A. Library and Information Science.....University of North Carolina at Chapel Hill
B.A. French/English Literature.....Swarthmore College

TORGESON, ERIKA (2015)
Acting Dean, Counseling
M.S. Educational Counseling..... University of La Verne

TUCKER, SB (2019)
Emergency Medical Technician Professor
B.S. Linguistics .....University of Southern California

VAKIL, DAVID (2023)
Interim Assistant Superintendent/Vice President, Instruction
Ed.D. Education.....UC Los Angeles
M.S. Astronomy ..... California Institute of Technology
B.S. Physics.....University of Arizona

VALLE STALLMAN, THOMAS (2023)
Architecture Associate Professor
M.S. Architecture .....Southern California of Architecture
B.F.A. Environmental Design ..... Minneapolis College of Art and Design

VARGA, JOHN (1999)
History Professor
M.A. History ..... CSU Northridge
B.A. History..... CSU Northridge
A.A. Sciences .....Glendale Community College

VARGAS, PALOMA (2026)
Interim Dean, Mathematics, Sciences, and Engineering
Ph.D. Parasitology ..... New York University
M.S. Parasitology..... New York University
B.S. Biological Sciences ..... University of Texas

VERA, JESUS (2023)
MESA Counselor
M.A. Guidance and Counseling.....Loyola Marymount University
B.S. Applied Science and Technology.....Thomas Edison University

VO, ANH (2010)
Nursing/Health Professor
D.N.P. Nursing ..... Grand Canyon University
M.S.N. Nursing ..... CSU Los Angeles
B.S.N. Nursing..... CSU Northridge

WARNER, HEAVEN (2017)
Business/Accounting Professor
M.B.A. Business Administration... University of Houston
B.B.A. Accounting ..... University of Houston

WICKLINE, PAUL (2008)
Associate Vice President, Canyon Country Campus
Ed.D. Educational Leadership: Postsecondary Education ..... Portland State
M.Ed. Education ..... Central Washington University
B.A. Education ..... Western Washington University

WILLIAMS, TARA (2017)
Chemistry Professor
Ph.D. Synthetic Organic Chemistry ..... University of Sussex
B.S. Chemistry ..... Florida State University

WINTER, TERESA (2019)
Nursing Professor
Doctorate of Nursing Practice (DNP) ..... Grand Canyon University
M.S. Nursing Education ..... CSU Dominguez Hills
B.S. Nursing ..... CSU Dominguez Hills

WISSMATH, JOHN (2007)
Physical Education Professor
B.A. Physical Education ..... CSU Chico

WONSER, ROBERT (2017)
Sociology Professor
M.A. Sociology ..... CSU Northridge
B.S. Business Administration ..... CSU Northridge

YEH, LAUREN (2014)
Counselor (AAC) Professor
M.S. Counseling ..... UC Los Angeles
B.S. Psychology ..... UC Los Angeles
A.A. Psychology ..... Pasadena City College

YOUNG, LORI (2017)
Paralegal Studies Professor
Master of Professional Studies in Paralegal Studies ..... George Washington University
B.S. Paralegal Studies ..... Kaplan University
A.S. General Business ..... Antelope Valley College

YUHICO, NERISSA (2022)
Nursing Associate Professor
M.S. Nursing Education ..... Azusa Pacific University
B.S. Nursing ..... CSU Northridge
A.S. Nursing ..... College of the Canyons

ZAMUDIO, MIRANDA (2021)
Interim Assistant Superintendent/Vice President, Human Resources and Professional Development
M.A. Human Resources Management ..... National University
B.A. Psychology ..... CSU Northridge



PROFESSORS EMERITI

A faculty member who is retiring from the academic profession and who has provided dedicated service to the college, students and the profession, can be recognized as an emeritus professor. To be eligible for the status of emeritus professor, a faculty member's name is placed in nomination by his or her divisional colleagues. The nomination is then put before the Academic Senate for confirmation.

Alduino Adelini ..... Counseling
Sue Albert ..... Nursing
Kathy Alfano ..... NSF Create
Edel Alonso ..... Counseling
James Anderson ..... Chemistry
Kevin Anthony ..... Hotel Restaurant Management
Diane Ayres ..... English
Diane Baker ..... Nursing
William Baker* ..... Theatre
Roger Basham ..... Anthropology
Mary Bates ..... Geography
Tammy Bathke ..... Nursing
Dennis Bauwens ..... Business
Christopher Blakey ..... Philosophy
Pamela Borrelli ..... Nursing
James Boykin* ..... Biological Sciences
Stephen Branch ..... History
Susan Brant Cooper ..... English
Leslie Bretall ..... Library Science
Robert Brode ..... Administration of Justice
Pamela Brogdon-Wynne ..... Counseling
Lori Brown ..... Allied Health
Kerry Brown ..... Counseling
Carl Buckle ..... Business
Kelly Burke ..... Biology
Leslie Burnett ..... English
Danielle Butts ..... Counseling
Sandy Carroll ..... Nursing
R. Carter Doran* ..... Vice President of Instruction
Daniel Catan* ..... Music
Cherie Choate ..... Mathematics
Richard Clemence* ..... Administration of Justice
Kathleen Clements-Knapp* ..... Computer Information Systems
Ted Collier* ..... Political Science
Jack Compton ..... Welding
Pamela Coon ..... Computer Information Systems
Mary Corbett ..... Nursing
Lee Corbin* ..... Mathematics
Susan Cornner ..... Journalism
Doris Coy* ..... Business
Linda Crosby ..... Early Childhood Education
Susan Crowther ..... Biology
Guillermo Cruz* ..... Economics
Fred D'Astoli* ..... English
Donna Davidson ..... English
Deanna Davis ..... English
Michael Dermody ..... History
Vincent Devlahovich ..... Geology
Sally Didrickson* ..... Division Dean, Mathematics and Science
Steven Dixon* ..... Fire Technology
Robert Dos Remedios ..... Physical Education
Robert Downs* ..... Music
Ronald Dreiling ..... English
John Drislane ..... English
Rebecca Edwards ..... Art
Erik Eriksson ..... Chemistry
Pierre Etienne ..... French
Bernardo Feldman ..... Music
Jane Feuerhelm ..... Director, DSPS
Kathy Flynn ..... Chemistry
Douglas Forbes ..... Computer Science
Christi Franklin ..... Counseling
Joe Gerda ..... Mathematics
Robert Gilmore ..... Counseling
Miriam Golbert ..... Biology
Audrey Green ..... Associate Vice President, Academic Affairs
George Guernsey* ..... Mathematics
Mildred Guernsey* ..... Mathematics
Irene Gunshinan ..... Early Childhood Education
Kim Gurnee* ..... English
Patti Haley ..... Emergency Medical Technician
Violet Hamilton* ..... EOPS
Jennifer Hauss ..... English
Donald Heidt ..... English
Mary Heidt ..... Nursing Science
Sheldon Helfing ..... Sociology
Donald Hellrigel ..... Spanish
Lee Hilliard ..... Computer Networking
Susan Hinshaw ..... Theater
Richard Howe ..... Psychology
Linda Howry ..... Nursing
Elfie Hummel* ..... Foreign Languages
Rhonda Hyatt ..... Recreation Management
Joan Jacobson ..... Counseling
Kevin Jenkins* ..... Graphic Arts
Charles Johnson* ..... Mathematics
Joanne Julian ..... Art

PROFESSORS EMERITI

Ronald Karlin ..... Librarian
James Kelleher ..... Political Science
Jan Keller ..... Learning Resources
Deborah Klein ..... Nursing
Ann Kressin ..... Chemistry
Thomas Lawrence ..... Physics
Julie Lawson ..... Music
Walter Lebs* ..... Drafting
Victoria Leonard ..... Communication Studies
Betty Lewis ..... Nursing Science
Betty Lid* ..... English
Carole Long ..... Interim Vice President, Instruction and Community Education
Rebecca Lord* ..... English
James Lorigan… ..... Art
Ann Lowe ..... Nursing
Helen Lusk* ..... Nursing Science
Chuck Lyon ..... Physical Education/Kinesiology
Len Mahoney ..... Physical Education
Valerie Malinoski ..... Nursing
KC Manji*… ..... Music
Ramachandra Manvi* ..... Dean, Mathematics, Science, and Engineering
Chellie Maple ..... Counseling
Jose Martin ..... Spanish
Richard Martinez ..... Anthropology
Gloria McKimmey* ..... Computer Information Technology
Michael McMahan ..... Philosophy
Dorothy Minarsch ..... Interior Design
Floyd Moos ..... English
Diane Morey ..... Nursing
Dennis Morrow ..... Mathematics
Norman (Gary) Mouck* ..... Mathematics
Gregory Mucha ..... Mathematics
Svetlana Onthank ..... English
Samuel Otoo ..... ESL
Robert Patenaude* ..... Mathematics
Bruce Pelkey* ..... Director, International Students Program
Concepcion Perez ..... Counseling
Mary Petersen ..... English
Gary Peterson ..... Cinema
Carolyn Powell ..... Counseling
Mark Rafter ..... Psychology
Anton Remineh* ..... Journalism
Bradley Reynolds ..... History
George Rhys ..... Mathematics
Russell Richardson ..... Political Science
Patricia Robinson ..... Sociology
Betty Rose ..... Biology
James Ruebsamen ..... Journalism
Guido Santi* ..... Cinema
Bob Segui ..... Counseling
Robert Seippel* ..... Electronics
Sydney Shanks* ..... Mathematics
Amy Shennum ..... Nursing
Lee Smelser ..... Physical Education
Dale Smith ..... Sociology
Nancy Smith ..... Vice President of Academic Affairs
Mary Enos Smith ..... Nursing
Phylise Smith ..... Dance/Political Science
Virginia Soriano* ..... Nursing
Betty Spilker ..... English
Cindy Stephens ..... Early Childhood Education
Kenneth Stevens* ..... Computer Science
Diane Stewart ..... Early Childhood Education
Alan Strozer ..... Information Technology
Sylvia Sullivan ..... CAD/ Drafting
Don Takeda ..... Biology
Rachel “Lea” Templer ..... Economics
Gretchen Thomson ..... History
Robert Tolar ..... Mathematics
David Thrasher ..... Welding
Connie Tripp ..... History
Isao Uesugi ..... Librarian
Mary Valentine ..... Sociology
Marilyn Van Aken* ..... Student Health Center
Julie Visner* ..... Counseling
Fran Wakefield ..... Counseling
Robert Walker ..... Art
Lisa Wallace ..... English/Spanish
Joan Waller ..... Early Childhood Education
Tina Waller ..... Nursing
Diana Watkins ..... Computer Information Systems
Stanley Weikert ..... Accounting/Business
Kathleen Welch ..... Nursing
Pamela Williams-Paez ..... Sociology
James “Jim” Wolf ..... Biology
Stan Wright ..... Business
Winston Wutkee ..... Geology

* Deceased

Regulations and Policies



ACADEMIC FREEDOM

A. GENERAL PRINCIPLES ON ACADEMIC FREEDOM

1. Freedom of speech is a right granted to all citizens by the First Amendment of the United States Constitution; it is vital to American standards of fairness and intelligent debate, and, therefore, it extends to the classroom environment for teachers and students.
2. A mature, democratic society functions best when its citizens are permitted and able to exercise their right to discuss, debate, disagree, challenge and engage in dialogue on all topics relating to the welfare of individuals and the larger community.
3. An institution of higher education in such a society is expected to enable its faculty, students and staff to comprehend and value the freedoms and responsibilities inherent in its national culture.
4. Only an academic environment that promotes an open and free exchange of ideas can properly develop the cognitive skills of critical inquiry which promote individual success and societal progress.
5. The College, as an institution of higher education, has an obligation to the community to promote the thoughtful introduction of a full gamut of ideas for discussion. This is facilitated by:
    a. Establishing a policy promoting the principle of academic freedom and encouraging faculty and students to exercise this practice by developing and accepting opportunities for critical thinking and personal growth.
    b. Ensuring that the policy of academic freedom successfully guarantees mutual respect by all participants in the educational environment, including the protection from the threat of political or personal attack. Such guarantees include the full scope of professional faculty obligations relative to assigning textbooks, presenting student learning activities, evaluating student performance or achievement and participating in the academic life of the community.

B. ACADEMIC FREEDOM AND THE FACULTY

1. Academic freedom in the course of instruction means that faculty members teaching in the District have the prerogative to present and explore all issues relevant to their disciplines which contribute to the education of students regarding the substance of each course's content and the student learning outcomes.
2. Quality teaching is understood to involve intellectual honesty and academic integrity in the presentation of subjects assigned. Such professional decorum requires the presentation of differing perspectives and interpretations with balanced intellectual rigor.
3. Faculty members are expected to maintain their own scholastic currency in their academic disciplines, and their capabilities as instructors within those disciplines.
4. It is recognized by the District and faculty members that the faculty members are also private citizens, with all attendant rights and responsibilities as private citizens.
    a. However, when a member of the faculty speaks or acts in his or her capacity as a private citizen, it needs to be made clear to the audience that the faculty member is speaking as a private citizen.
    b. It should be clear that any positions taken by faculty members speaking as private citizens are not to be considered as official District policy or positions.
    c. This provision is not intended to limit the right of a faculty member to disagree publicly or privately with District policy, and to participate in peaceable debate on any subject of interest to academic community or the larger issues of society.
5. As members of a profession that relies on academic freedom, all faculty members have an obligation to exemplify the highest standards of professional conduct in this regard and to promote an understanding of this principle to their colleagues, to students, and the community at large.

C. ACADEMIC FREEDOM AND STUDENTS

1. By accepting an academic course of study within the College system, students accept the principle that they will study in an environment that is designed to present the fullest range of academic insight in the subjects they are enrolled in, including contemporary and historical perspectives, and open, thoughtful examination of differing points of view in pursuit of knowledge within general and specific fields of study.
2. Academic freedom allows students to take reasoned exception to the concepts and conclusions presented in any course of study. Students are, however, responsible for learning the content of any course in which they are enrolled, and can expect to be tested on their knowledge of such information.

D. DISTRICT RESPONSIBILITIES AND SUPPORT

1. The District is committed to the full support of the principle of academic freedom within all its activities.
2. The District supports the freedom of all faculty to inquire, to teach controversial content, to model and encourage critical thinking, and to present all viewpoints within each discipline.
3. The District supports the freedom of all students to inquire, to have access to the full range of information available, to explore difficult and controversial material, to develop and practice critical thinking skills, and to operate in a classroom climate free of intimidation and conducive to the free exchange of ideas is fully encouraged and expected.
4. Under the provisions of the California Education Code, the faculty have the right and the professional responsibility to assign grades. The District recognizes its obligation to ensure that faculty members will be allowed to exercise these responsibilities free from political influence, intimidation, or threat of lawsuit.

EQUAL EDUCATION AND EMPLOYMENT OPPORTUNITY

The Santa Clarita Community College District subscribes to and promotes the principles and implementation of equal opportunity. Pursuant to the provisions of state and federal law, the District's Board of Trustees has adopted policies and procedures ensuring that its programs and activities are available to all persons without regard to national origin, religion, age, sex, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status or any other protected basis.

The Santa Clarita Community College District is committed to implementing the concept, intent, and spirit of providing equal employment and educational opportunity to all persons. Positive action will be taken by the administration, faculty, staff and students to ensure the implementation of this policy and to overcome any form of exclusion or discrimination, whether purposeful or inadvertent.

Additional information on these policies and procedures is available in the District's Equal Employment Opportunity Office (Human Resources); University Center (UCEN) 360; (661) 362-3424; TTY (661) 362-5178 or visit our website at **www.canyons.edu/eeoplan**.

NON-DISCRIMINATION POLICY

The Santa Clarita Community College District does not discriminate on the basis of national origin, religion, age, sex, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or any other protected basis in compliance with Title VI and Title VII of the Civil Rights Act of 1964, as amended by the Civil Rights Act of 1991, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Age Discrimination in Employment Act of 1967, the Americans with Disabilities Act of 1990, the California Fair Employment and Housing Act, the Unruh Civil Rights Act, the Sex Equity in Education Act, and Assembly Bill 803 of 1977. This nondiscrimination policy covers admission and access to, and treatment and employment in, the College's programs and activities, including vocational education. Inquiries regarding the equal opportunity policies, the filing of complaints, or to request a copy of the procedures covering discrimination complaints may be directed to the Assistant Superintendent/Vice President, Human Resources, University Center (UCEN) Room 360, 26455 Rockwell Canyon Road, Santa Clarita, CA 91355; telephone (661) 362-3424. The College recognizes its obligation to provide overall program accessibility throughout the College for disabled persons. Contact the DSP&S director to obtain information as to the existence and location of services, activities, and facilities that are accessible to and usable by disabled persons.

Inquiries regarding federal laws and regulations concerning nondiscrimination in education or the District's compliance with those provisions may also be directed to the Office of Civil Rights, U.S. Department of Health and Human Services, 200 Independence Avenue, S.W. Room 509F, HHH Bldg., Washington, D.C. 20201.

POLÍTICA CONTRA LA DISCRIMINACIÓN

El Distrito de Colegios Comunitarios de Santa Clarita no discrimina por motivos de raza, credo religion, color, origen étnico o nacional, ascendencia, estado de migratorio, miembro de servicio militar, incapacidad física o mental, condición médica, estado civil, sexo, embarazo, edad, orientación sexual, identidad de género, o cualquier otra base protegida en conformidad con Titulo VI y VII de la Ley de Derecho Civil de 1964 y según la enmienda de la Ley de Derecho Civil de 1991; el título IX de las Enmiendas de Educación de 1972; la sección 504 de la Ley de Rehabilitación de 1973; la Ley de Discriminación por Edad contenida en la Ley de Empleo de 1967; la Ley de Americanos Minusválidos de 1990; la Ley de Empleo y Vivienda Justos de California; la Ley Unruh de Derecho Civil; la Ley de Igualdad Sexual en la Educación; y el Proyecto de Ley 803 de 1977. Esta política contra la discriminación incluye el ingreso, el acceso, el tratamiento y el empleo en los programas y actividades de la institución, incluyendo la educación vocacional.

Para mayor información sobre la política de igualdad de oportunidades, sobre cómo presentar una queja, o sobre cómo pedir una copia de un documento que explica el proceso de quejas por discriminación, puede dirigirse al

AssistantSuperintendent/Vicepresidente de Recursos Humanos, del Centro Universitario, de la habitación 360, 26455 Rockwell Canyon Road, Santa Clarita, CA 91355; teléfono (661) 362-3424. College of the Canyons reconoce su obligación de proveer acceso generalizado a los minusválidos por toda la institución. Comuníquese con el coordinador de servicios a los minusválidos si necesita información sobre la prestación de servicios, las actividades, y las instalaciones con acceso para minusválidos.

Para pedir información sobre leyes federales sobre la discriminación en la educación o sobre el cumplimiento de estas normativas por el Distrito Universitario, puede también dirigirse a la Oficina de Derecho Civil, U.S. Department of Health and Human Services, 200 Independence Avenue, S.W. Room 509F HHH Bldg., Washington, D.C. 20201.

SEXUAL HARASSMENT POLICY

I. POLICY STATEMENT

The Santa Clarita Community College District is committed to creating and maintaining an academic and work environment in which all persons who participate in district programs and activities can work together in an atmosphere free of sexual harassment, exploitation, or intimidation, and that values and protects individual dignity and the academic process. Sexual harassment is unlawful and undermines the atmosphere of mutual trust and respect necessary for an effective learning and working environment and hinders the district's ability to fulfill its academic mission. Toward this end, all members of the college community must understand that sexual harassment, sexual discrimination, and sexual exploitation of professional relationships violate the District's policy and will not be tolerated. The district will take every step to resolve complaints promptly and will institute disciplinary proceedings against persons found to be in violation of this sexual harassment policy. For faculty and staff members, such proceedings may result in a range of sanctions, up to and including termination of District affiliation. Students who violate this policy may be subject to disciplinary measures up to and including expulsion.

II. APPLICABILITY

This policy applies to all applicants for employment and admission to district programs, officers and employees of the District, students, and persons who serve the district as its agents and are under the control of the district. It applies to all aspects of the academic environment, including but not limited to classroom conditions, grades, academic standing, employment opportunities, scholarships, recommendations, disciplinary actions, and participation in any district activity. In addition, this policy applies to all terms and conditions of employment including but not limited to hiring, placement, promotion, disciplinary action, layoff, recall, transfer, leave of absence, training opportunities and compensation. Specific adherence to this policy shall also be made an express term of every contracted services agreement entered into by the District.

III. LEGAL AUTHORITY

Sexual harassment is a form of sex discrimination which is prohibited by Title VII of the Civil Rights Act of 1964 (as amended by the 1991 Amendments to the Civil Rights Act), by Title IX of the Education Amendments of 1972, the California Fair Employment and Housing Act (FEHA), and California Education Code. Santa Clarita Community College District's Unlawful Discrimination and Affirmative Action Policy also prohibits sex discrimination.

IV. DEFINITION

Sexual harassment may involve the behavior of a person of either sex against a person of the opposite or same sex, and occurs when such behavior constitutes unwelcome sexual advances, unwelcome requests for sexual favors, and other unwelcome verbal or physical behavior of a sexual nature where:

1. Submission to such conduct is made, either explicitly or implicitly, a term or condition of an individual's employment, academic status, or progress;
2. Submission to, or rejection of, such conduct by an individual is used as the basis of employment or academic decisions affecting the individual's welfare;
3. Such conduct has the purpose or effect of unreasonably interfering with an individual's welfare, work or academic performance, or creates an intimidating, hostile, offensive, or demeaning work or educational environment; or
4. Submission to, or rejection of, the conduct by the individual is used as the basis for any decision affecting the individual regarding benefits and services, honors, programs, or activities available at or through the community college.

A third party may also file a complaint under this policy if the sexual conduct of others in the work or educational environment has the purpose or effect of unreasonably interfering with the third party's welfare, work or academic performance.

Examples of prohibited behavior or prohibited acts that constitute sexual harassment may take a variety of forms. Examples of behavior generally viewed as sexual harassment when they are unwelcome include, but are not limited to:

1. **Verbal:** Inappropriate or offensive remarks, slurs, jokes or innuendoes based on sex. This may include, but is not limited to, inappropriate comments regarding an individual's body, physical appearance, attire, sexual prowess, marital status or sexual orientation; sexually suggestive or insulting sounds or gestures, including sucking noises, winking, and throwing kisses; unwelcome flirting or sexual propositions, invitations or solicitations; demands for sexual favors; verbal abuse, threats or intimidation

of a sexual nature (direct or indirect threats or bribes for unwanted sexual activity); or sexist, patronizing or ridiculing statements that convey derogatory attitudes about a particular gender.

2. **Physical:** *(activities that take place either inside or outside the institution):* Inappropriate or offensive touching, assault, or physical interference with free movement. This may include, but is not limited to, kissing, patting, stroking, lingering or intimate touches, grabbing, pinching, leering, squeezing, staring, unnecessarily brushing against or blocking another person, whistling, sexual gestures, giving a neck or shoulder massage, stalking, and attempted or actual sexual assault.

3. **Visual or Written**: The display or circulation of offensive, sexually-oriented visual or written material. This may include, but is not limited to, objects, pictures, posters, cartoons, calendars, drawings, graffiti, video tapes, audio recordings, literature, computer graphics (including virtual platforms), electronic messaging, electronic media transmissions or other materials with sexual content.

4. **Environmental:** An academic or work environment that is permeated with sexually-oriented talk, innuendoes, insults or abuse not relevant to the subject matter of the class or employment. A hostile environment can arise from an unwarranted focus on sexual topics or sexually suggestive statements in the classroom. An environment may be hostile if unwelcome sexual behavior is directed specifically at an individual or if the individual merely witnesses unlawful harassment in his or her immediate surroundings. The determination of whether an environment is hostile is based on the totality of the circumstances, including such factors as the frequency of the conduct, the severity of the conduct, whether the conduct is humiliating or physically threatening, and whether the conduct unreasonably interferes with an individual's learning or work. This may include, but is not limited to, consensual sexual relationships.

Romantic or sexual relationships between supervisors and employees, or between faculty or staff members and students are discouraged. There is an inherent imbalance of power and potential for exploitation in such relationships. A conflict of interest may arise if the faculty or staff member must evaluate the student's work or make academic decisions affecting the student or if a supervisor must evaluate the performance of an employee. The relationship may create an appearance of impropriety and lead to charges of favoritism by other students or other employees. A consensual sexual relationship may change, with the result that sexual conduct that was once welcome becomes unwelcome and harassing. By definition, sexual harassment is not within the course and scope of an individual's employment with the district.

Sexual harassment may occur between peers. Unwelcome sexual behavior between peers under this definition is unacceptable in the District.

Examples of harassment can include, but are not limited to, all of the behaviors described above as well as the following behaviors:

- leaving obscene messages on campus computers;
- creating a sexually demeaning atmosphere, such as displaying posters and pictures that are sexist or otherwise demeaning to females or males;
- unwelcome touching and grabbing;
- persistent unwanted sexual attention, such as continually asking a person for a date after the person has indicated no interest;
- whistling or yelling obscenities at people walking by, or loudly discussing their sexual attributes and rating them;
- threatening rape;
- mooning, whereby individuals expose their buttocks aggressively;
- voyeurism
- exposing one's genitals;
- "streaking" - running naked in front of others;
- "sharking" - biting breasts, buttocks, or other private body parts;
- shouting obscenities;

The aforementioned lists of behaviors should be used to assist in identifying offensive behaviors but in no way should be construed as exhaustive lists of unacceptable acts. In determining whether the alleged conduct constitutes sexual harassment, consideration should be given to the records of the incident or incidents as a whole and to the totality of the circumstances, including the context in which the alleged incidents occurred.

This definition recognizes two categories of sexual harassment:

1. **"Quid pro quo"** sexual harassment occurs when a person in a position of authority (supervisor and subordinate or teacher and student) makes educational or employment benefits conditional upon an individual's willingness to engage in or tolerate unwanted sexual conduct. (Please note: the relationship may be an indirect one where the harasser has the power to direct others who have authority over the victim.) The perpetrator's intent or lack of intent to harass is not relevant to the determination of whether quid pro quo harassment occurred.

2. **"Hostile environment"** sexual harassment occurs when unwelcome conduct based on sex is sufficiently severe or pervasive so as to alter the conditions of an individual's learning or work environment, unreasonably interfere with an individual's academic or work performance, or create

an intimidating, hostile, or abusive learning or work environment. The victim must subjectively perceive the environment as hostile, and the harassment must be such that a reasonable person of the same gender would perceive the environment as hostile. The determination of whether an environment is "hostile" must be based on all of the circumstances. These circumstances could include the frequency of the conduct, its severity, and whether it is physically threatening or humiliating. As with quid pro quo harassment, the perpetrator's intent or lack of intent to harass is not relevant to the determination of whether hostile environment harassment occurred.

III. SEXUAL RELATIONSHIPS AND PROFESSIONAL CONDUCT

The basic reasons for which a community college district exists are the discovery and transmission of knowledge, activities which are founded upon the free and open exchange of ideas. Such activities flourish only in a climate uncluttered by exploitation, coercion, intimidation or reprisal. In order for productive learning and the work that supports it to occur, certain conditions should prevail on campus. It is for these reasons that members of the college community - faculty, students and staff personnel - should pursue their responsibilities guided by a strong commitment to basic ethical principles and professional codes of conduct.

Primary responsibility for maintaining high standards of conduct resides especially with faculty and supervisors, since they exercise significant authority and power over others. If the highest standards of professional conduct are to be maintained, however, all responsible members of the community of learning should understand that sexual advances or comments by a faculty member or supervisor toward one of his or her students or employees may constitute unprofessional conduct. Such unprofessional conduct blurs professional boundaries, interferes with a climate conducive to the open exchange of ideas between persons, subverts the normal structure of incentives that spurs work and learning, and interjects attitudes and pressures which may undercut the basic reasons for which the district exists. In such cases, objectivity may be compromised or destroyed and competent evaluation threatened.

IV. PROHIBITED SUPERVISORY OR MANAGERIAL BEHAVIOR

1. No supervisor, manager, administrator, or other authority figure may condition any employment, employee benefit or continued employment in the district on an applicant's or employee's acquiescence to any of the sexual behavior defined above.
2. No supervisor, manager, administrator, or other authority figure may retaliate against any applicant, or employee, or student because that person has opposed a practice prohibited by the Title VII of the Civil Rights Act of 1964 or the California Fair Employment and Housing Act or has filed a complaint, testified, assisted or participated in any manner in an investigation, proceeding or hearing conducted by an authorized investigative agency.
3. No person shall destroy evidence relevant to an investigation of sexual discrimination.

Behavior Prohibited by all persons

1. No supervisor, manager, administrator, faculty member, student, or any other person in the District shall create a hostile or offensive work environment for any other person by engaging in any sexual harassment or by tolerating it on the part of any employee or student.
2. No supervisor, manager, administrator, faculty member, student, or any other person in the district shall assist any individual in doing any act which constitutes sexual discrimination against any employee or student of the district.

III. RESPONSIBILITIES

A. College Community - Faculty, Students or Staff Personnel

If faculty, students or staff personnel believe that they have been subjected to sexual harassment or any unwanted sexual attention, they should:

- If possible, communicate the unwelcomeness of the behavior to the harasser.
- If practical, communicate to their supervisor (or instructor) that unwelcome sexual behavior has occurred. However, under no circumstances shall a faculty member, student or staff personnel of the district, who believes that she/he has been the victim of sexual harassment by their supervisor (or instructor) be required to first report that harassment to their supervisor (or instructor).
- Make a written record of the date, time, and nature of the incident(s) and the names of any witnesses; and
- Report the incident to the district's Affirmative Action Officer, supervisor, or appropriate District officer.
- Cooperate with any investigation of any alleged act of sexual harassment conducted by the District or by an appropriate state or federal agency.

B. Administrators, Managers and Supervisors

Administrators, managers and supervisors must deal expeditiously and fairly with allegations of sexual harassment within their division/office whether or not there has been a written or formal complaint. Administrators, managers and supervisors must:

- Act promptly to investigate sexual harassment or inappropriate sexually oriented conduct;

- Ensure that harassment or inappropriate sexual behavior is reported to an appropriate administrator or directly to the District's Affirmative Action Officer;
- Take corrective action to prevent prohibited conduct from reoccurring;
- Follow-up, as appropriate, of any reported incident of sexual harassment to determine whether the victim has been subjected to any further forbidden conduct;
- Immediately inform the district's Affirmative Action Officer at any time they learn that employment or other benefits have been withheld or denied as a consequence of sexual harassment, and shall take steps to rectify any harm suffered by the victim. Administrators, managers and supervisors who knowingly allow or tolerate sexual harassment are in violation of this policy and subject to discipline.

C. Faculty

Faculty members must deal expeditiously and fairly with allegations of sexual harassment observed within their classrooms or on campus whether or not they are reported to them. Faculty members must:

- Ensure that harassment or inappropriate sexually oriented conduct is reported to an appropriate administrator or directly to the District's Affirmative Action Officer.
- Discuss sexual harassment policy with their students, as appropriate. Students should be informed of their rights under this policy.

D. All Employees

All employees of the district shall:

- Report any conduct, including that directed toward a student, which fits the definition of sexual harassment, to their immediate supervisor or appropriate authority figure. This includes conduct of non-employees, such as sales representatives or service vendors.

V. NON-REPRISAL

No faculty, administrator or staff, applicant for employment, student, or member of the public may be subject to restraint, interference, coercion or reprisal for action taken in good faith to seek advice concerning a sexual harassment matter, to file a sexual harassment complaint, testify, assist or participate in any manner in the investigation, proceedings, or hearing of a sexual harassment complaint.

VI. MALICIOUS, FALSE ACCUSATIONS

A complainant whose allegations are found to be both false and brought with malicious intent will be subject to disciplinary action which may include, but is not limited to, informal reprimand, formal reprimand, demotion, transfer, suspension, or dismissal.

VII. CONFIDENTIALITY

District administrators will make every reasonable effort to conduct all proceedings in a manner which will protect the confidentiality of all parties. Information will be revealed strictly on a need-to-know basis. All parties to the complaint should treat the matter under investigation with discretion and respect for the reputation of all parties involved.

AP 5530 GENERAL STUDENT GRIEVANCES

Introduction:
The purpose of this policy is to provide a prompt and equitable means for resolving student(s) grievances.

1. Definitions

a. **Grievance** – A claim by any Student who reasonably believes an unfair or improper college decision or action has adversely affected their status, rights, or privileges as a student. A Grievance includes, but is not limited to, claims regarding:

i. Course grades, to the extent permitted by Education Code section 76224 subdivision (a), which provides: "When grades are given for any course of instruction taught in a community college district, the grade given to each student shall be the grade determined by the instructor of the course and the determination of the student's grade by the instructor, in the absence of mistake, fraud, bad faith, or incompetency, shall be final."

ii. The exercise of rights of free expression protected by state and federal constitutions and Education Code section 76120.

b. **Grievant** – A Student who has filed a Grievance.

c. **Party** – The Student or any persons allegedly responsible for the Student's Grievance, together with their representatives. "Party" shall not include the members of the Academic Review Committee, the Grievance Hearing Committee, or the College Grievance Officer.

d. **Student** – A currently enrolled student, a person who has filed an application for admission to the college, or a former student. A Grievance by an applicant shall be limited to a complaint regarding denial of admission. Former students shall be limited to Grievances relating to course grades to the extent permitted by Education Code section 76224, subdivision (a).

e. **Respondent** – Any person who the Grievant alleges to be responsible for the Grievance.

f. **Day** – Business operating days, excluding Saturdays, Sundays, or administrative holidays.

g. **Grievance Officer** – The Chief Student

Services Officer (CSSO), or designee.

h. Standard of Proof – The "preponderance of evidence" standard shall be applied in formal hearings convened pursuant to this procedure. Evidence of the sort upon which responsible persons reasonably rely in the conduct of serious affairs may be received, and such evidence is not limited to that which would be admissible under the rules of evidence used in a court of law.

i. Burden of Proof – The Grievant(s) bears the burden of submitting proof of the alleged unfair or improper action upon which the Grievance arises sufficient to satisfy the Standard of Proof.

j. Mistake – As defined by Administrative Procedure 4231.

k. Fraud – As defined by Administrative Procedure 4231.

l. Bad Faith – As defined by Administrative Procedure 4231.

m. Incompetence – As defined by Administrative Procedure 4231.

2. Exclusions from this Procedure

a. Challenges directed to prerequisites, co-requisites, advisories and limitations on enrollment. (Information on challenges to prerequisites is available from the Office of Admissions & Records.)

b. Alleged sexual harassment, sexual assault, or unlawful discrimination based on a protected characteristic or status. (Allegation of this nature should be referred to Human Resources.)

c. Appeals of residency determinations. (Appeal of this nature should be filed with the Office of Admissions & Records.)

d. Eligibility, disqualification, or reinstatement of financial aid. (Appeal of this nature should be referred to the Financial Aid Office.)

e. Student discipline imposed for violations of the Board Policy 5500. (Disputes regarding student discipline are resolved pursuant to applicable student discipline procedures.)

f. Parking Citations or other infractions. (Citation appeals are handled by the Campus Safety Office.)

g. Employee Discipline. (Students may file complaints about employee conduct with the appropriate level department chairperson and/or administrator.)

h. Challenges to adopted District policies, e.g. Board Policies and Administrative Procedures. (Challenges to board policies, administrative procedures, or practices may be referred to the appropriate level department and/or administrator.)

i. Financial claims against the District. (Financial claims against the District may be made through the Office of Risk Management.)

j. Grades assigned by faculty on individual academic assessments, including grade penalties imposed on academic assessments due to academic dishonesty, as opposed to final letter grades for a course.

3. Procedures for Grievances Other Than Those About Final Grades

a. General Principles

i. A Grievant may initiate a Grievance allowed by this procedure, other than one about final grades, by submitting a "Request for Grievance Hearing" to the Office of Student Services, upon a form that the Office of Student Services shall make available for that purpose. Through the Request for Grievance Hearing Form, the Grievant shall provide the District with written details regarding the Grievance, including the time, place, nature of the complaint, and the remedy or corrective action requested. If a Grievant contends that a specific District policy, procedure, or rule has been violated, the Grievant should identify the policy, procedure, or rule to the best of their knowledge. The Grievant may also provide any other relevant information and documentation in support of the Grievance.

ii. The Request for Grievance Hearing Form must be submitted within one hundred twenty (120) days after the occurrence of the incident giving rise to the Grievance; or one hundred twenty (120) days after the Grievant learns, or reasonably should have learned, that the Grievant has a basis for filing a Grievance. A Grievant who fails to submit a Request for Grievance Hearing Form within the time limit forfeits the Grievance. The requirement that a Grievant also pursue an informal resolution of the Grievance, as required by this procedure, does not extend the time limits for submitting the Request for Grievance Hearing Form.

iii. A Grievant may appeal the forfeiture of a Grievance due to untimeliness only to the Grievance Officer who shall have sole discretion for granting relief from the forfeiture. A Grievant requesting relief from forfeiture of a Grievance must submit to the Grievance Officer sufficient documentation establishing extenuating circumstances justifying the untimely Request for Grievance Hearing Form. Documentation of extenuating circumstances may include, but are not

limited to, verifiable medical records, accident reports, court records, military records, and letters from lawyers, doctors, employers, etc.

iv. The Grievance Officer shall provide a copy of the Request for Grievance Hearing Form to the Respondent or Respondents within ten (10) days of receipt of the Grievance, or as soon thereafter as practicable.

b. Informal Grievance Resolution

i. Before the Grievance Officer schedules a hearing by the Student Conduct and Grievance Committee to consider a Grievance, a Grievant shall make a reasonable effort, in good faith, to resolve the Grievance on an informal basis with the Respondent, or, if that person is not reasonably available to consider the matter, that person's immediate supervisor.

ii. Specifically, the Grievant(s) shall, if appropriate, request a meeting about the issue(s) with the Respondent, or as necessary and permitted by this procedure, with the Respondent's immediate supervisor and/or the appropriate college administrator.

iii. The Grievance Officer shall undertake reasonable efforts to mediate an informal resolution of the Grievance between the Parties by, among other things, gathering and review pertinent information, records and documentation

iv. The Grievant shall maintain communication with the Grievance Officer regarding the status of the effort to reach an informal resolution of the Grievance. If the Grievant cannot informally resolve the Grievance in a reasonable time, the Grievant shall notify the Grievance Officer, who shall thereafter inform the Grievant of their rights and responsibilities under this procedure and provide further instructions for submitting the Grievance to the Student Conduct and Grievance Committee.

c. Student Conduct and Grievance Committee:

i. The Grievance Officer shall identify one of the faculty members of the Student Conduct and Grievance Committee to serve as committee chairperson. Three members of the above committee shall constitute a quorum for the conduct of any Grievance hearing. All members are entitled to one vote on all matters related to a Grievance or committee operating procedures.

ii. No person shall serve as a member of a Student Conduct and Grievance Committee if that person has been personally involved in any matter giving rise to the Grievance, has made any public statement on the matters at issue, or could otherwise not act in a neutral manner. A Party may request removal of any member of the Student Conduct and Grievance Committee for cause prior to the beginning of the hearing by submitting a written challenge to the Grievance Officer, who shall have sole discretion to determine whether cause for disqualification has been shown. If the Grievance Officer concludes that sufficient grounds for removal of a member of the Student Conduct and Grievance Committee have been presented, the Grievance Officer shall notify the challenged member and ask that a replacement be made according to the process provided in this procedure.

iii. The Grievance Officer shall attend all hearings held by the Student Conduct and Grievance Committee, but shall not serve as a committee member, vote on any matter presented to the committee, nor assume the role of advocate for any Party. The Grievance Officer shall coordinate all scheduling of hearings and provide other reasonable and necessary assistance to all Parties and the Student Conduct and Grievance Committee for the purpose of conducting a full, fair, and efficient resolution of the Grievance.

d. Scheduling a Grievance Hearing

i. The Grievant has a right to request that the Grievance Officer schedule a hearing before the Student Conduct and Grievance Committee after demonstrating that the matter has failed to be informally resolved after informal resolution has been attempted as required by this procedure. The Grievant may request that any relevant information and documentation be made available at a hearing. The information requested shall be provided in such a way that it does not violate the privacy rights of others.

ii. The Student Conduct and Grievance Committee shall determine, before a hearing is convened to consider the Grievance, whether the Request for Grievance Hearing is actionable, i.e., whether it offers a sufficient basis for conducting a hearing before the Student Conduct and Grievance Committee. A sufficient basis exists if

the following are true:

1. The statement contains facts which, if true, would constitute a Grievance under these procedures;
2. The Grievant is a Student as defined herein;
3. The Grievant is personally and directly affected by the alleged Grievance;
4. The Grievance was filed in a timely manner;
5. The Grievance is not clearly frivolous, clearly without foundation, or clearly filed for purposes of harassment.

iii. If the Request for Grievance Hearing, along with any other evidence reasonably available to the District relevant to the Grievance, does not demonstrate satisfaction each of the requirements, the Student Conduct and Grievance Committee chair shall notify the Grievance Officer of the rejection of the Request for a Grievance Hearing, in writing and within ten (10) days of the Student Conduct and Grievance Committee's decision. The Grievance Officer shall promptly notify the Grievant of the Student Conduct and Grievance Committee's decision and provide information regarding the Grievant's right to appeal.

iv. If the Request for Grievance Hearing satisfies each of the requirements, the Grievance Officer shall schedule a Grievance hearing. The hearing shall, whenever practicable, begin within fifteen (15) days following the decision to grant a Grievance hearing. All Parties to the Grievance shall be given not less than ten (10) days' notice of the date, time and place of the hearing.

e. Formal Hearing Procedure

i. The Grievance Officer shall ensure that all documentation and other evidence relevant in the Grievance Officer's possession and relevant to the Grievance is made available at the hearing to the Parties and the Student Conduct and Grievance Committee, in such a way that it does not violate the privacy rights of others.

ii. The decision of the Student Conduct and Grievance Committee chair shall be final on all procedural matters relating to the conduct of the hearing unless there is a vote of a majority of the members of the panel to the contrary.

iii. Each Party to the Grievance may represent themselves and also have the right to be represented by a person of their choice; except that a Party shall not be represented by an attorney unless, in the judgment of the Student Conduct and Grievance Committee, complex legal issues are involved. If a Party wishes to be represented by an attorney, a request must be presented not less than 10 days prior to the date of the hearing. If one Party is permitted to be represented by an attorney, any other Party shall have the right to be represented by an attorney. The Student Conduct and Grievance Committee may also request that the CEO authorize legal assistance to the committee itself. Any legal advisor provided to the Student Conduct and Grievance Committee may attend the hearing in an advisory capacity but shall not be a committee member nor vote.

iv. Hearings shall be closed and confidential unless all Parties request that it be open to the public. Any such request for a public hearing must be made no less than two (2) days prior to the date of the hearing.

v. In a closed hearing, witnesses shall not be present at the hearing when not testifying, unless all Parties and the Student Conduct and Grievance Committee agree otherwise.

vi. The hearing shall be recorded by the District. The official recording shall be the only recording made. No witness who refuses to be recorded may be permitted to give testimony. The hearing panel chair shall, at the beginning of the hearing, ask each person present to identify themselves by name, and thereafter shall ask witnesses to identify themselves by name. The recording shall remain in custody of the District at all times, unless released to a professional transcribing service. Upon request, the complainant and/or respondent shall be provided with a copy of the recording.

vii. All witnesses must testify under oath or affirmation administered to the witness by the chair of Student Conduct and Grievance Committee. The Student Conduct and Grievance Committee shall only admit written statements of those witnesses who, to the satisfaction of the Student Conduct and Grievance Committee chair, are determined to be unavailable to testify live at the hearing for reasonable reasons if those written statements have been signed and dated under penalty of perjury under the laws of the State of California. The Student

Conduct and Grievance Committee chair shall deem a witness who refuses to be tape-recorded to be reasonably unavailable to testify live at the hearing.

viii. When the presentation of evidence is concluded, the Student Conduct and Grievance Committee shall deliberate in a private meeting exclusive of all persons not members of the committee. The deliberations shall not be recorded. Only members of the Student Conduct and Grievance Committee who were present throughout the hearing, other than approved breaks, may deliberate and vote on the Student Conduct and Grievance Committee's findings and decision.

f. Findings of the Student Conduct and Grievance Committee

i. Within twenty (20) days following the close of the hearing, the Student Conduct and Grievance Committee chair shall prepare and send a written decision to the Grievant(s), Respondent, and Grievance Officer.

ii. The decision shall include specific factual findings regarding the Grievance and specific conclusions regarding whether a Grievance has been established considering the Standard of Proof.

iii. The decision shall also include a specific recommendation regarding the relief to be afforded the Grievant, if any.

iv. The decision shall be based only on the record of the hearing, and not on matters outside of that record.

v. The record shall consist of the original Request for Grievance Hearing, any written response, and the oral and written evidence produced at the hearing.

g. Appeal of Denial of Grievance Hearing

i. A Grievant may appeal a determination that the Request for Grievance Hearing is not actionable under this procedure, and therefore no hearing shall be conducted, in writing to the CEO within ten (10) days following the Grievant's receipt of notice of the decision.

ii. The CEO shall review the Request for Grievance Hearing, using the standards for an actionable Grievance set forth in this procedure, but shall not consider any other matters. The CEO's decision to grant or deny a grievance hearing shall be final and not subject to further appeal.

h. CEO Decision on Appeal

i. Within ten (10) days following receipt of the Grievance Hearing Committee's decision and recommendation(s), the CEO shall send to all Parties a written decision on the appeal, together with the Student Conduct and Grievance Committee's decision and recommendations.

ii. The CEO may accept or reject the findings, decisions, and recommendations of the Student Conduct and Grievance Committee. The factual findings of the Student Conduct and Grievance Committee shall be accorded great weight; and if the CEO does not accept the decision or findings or recommendation of the Student Conduct and Grievance Committee, the CEO shall review the record of the hearing and prepare a new written decision which contains specific factual findings and conclusions.

iii. The decision of the CEO shall be final.

i. Time Limits

Any timing requirements specified in these procedures may be altered upon mutual agreement by all Parties.

COLLEGE OF THE CANYONS STATEMENT ON ACADEMIC INTEGRITY AND PLAGIARISM

Approved by Academic Senate in May, 2023

Statement on Academic Integrity at College of the Canyons

Academic integrity is a core value of the academic community. It is essential for maintaining the quality of higher education, for the development of critical thinking skills, and for ensuring that academic achievements are based on merit. College of the Canyons defines academic integrity as the ethical and honest pursuit of knowledge, scholarship, and intellectual growth. It involves upholding the values and principles that guide ethical behavior in academic work, including honesty, fairness, trust, and respect for the intellectual work of others.

At College of the Canyons, we believe that academic integrity is one of the most important qualities college students need to develop and maintain. Conversely, academic dishonesty is any practice or behavior, whether intentional or unintentional, that undermines the integrity of material submitted for academic credit. Academic dishonesty violates the principles of academic integrity and can have serious consequences for both the individual and the academic community. Common types of academic dishonesty fall into one of three categories:

1. Plagiarism or self-plagiarism

A. Plagiarism is submitting someone else's work as one's own, or without adequate or proper attribution, including unauthorized use of AI-generated material

B. Self-plagiarism is resubmitting the same work from

a different class without the current instructor's knowledge and approval (e.g., using the same term paper in more than one class)

2. **Cheating. Examples of cheating include (but are not limited to):**
   A. Copying from someone else's test, or any evaluated assignment.
   B. Using an unauthorized aid during a test (e.g., phone, smart watch, notes or browser).
   C. Unauthorized collaboration or communication with others during a test or an independent assignment, including downloading, uploading, sharing or duplicating course material.
   D. Unauthorized use of generative AI or other web-based application.
3. **Fraud. Examples of fraud include (but are not limited to):**
   A. Having a test or an assignment completed by someone else.
   B. Buying, selling or otherwise obtaining or distributing term papers, assignments, or tests.
   C. Falsifying, misrepresenting or forging an academic record or supporting documents (e.g., submitting a fake doctor's note, misrepresentation of identity).
   D. Improper access/obstruction of materials/systems (e.g., stealing a term paper or test).
   E. Misrepresentation, falsification, or fabrication of data presented for surveys, experiments, and reports including authors, data or falsely claiming attendance at a class event.

It is the responsibility of all members of the academic community to uphold the principles of academic integrity and to prevent instances of academic dishonesty. Cases of alleged academic dishonesty may be referred to Student Conduct for investigation. Relevant disciplinary action policies can be found in the Student Conduct Code.

DISTRICT POLICIES GOVERNING STUDENT RIGHTS AND RESPONSIBILITIES

Institutional board policies and accompanying administrative procedures can be found at

www.canyons.edu/administration/BOT

BP 5500 STANDARDS OF STUDENT CONDUCT

References:

Education Code Sections 66300, 66301, and 76120;

ACCJC Accreditation Standard 2

This policy sets forth the grounds upon which students in the Santa Clarita Community College District (District) will be subject to disciplinary action.

The District's Chief Executive Officer (CEO) shall establish procedures for the imposition of discipline on students in accordance with the due process requirements under law. Those procedures shall identify potential disciplinary actions, including but not limited to the removal, suspension, or expulsion of a student. The procedures shall be made widely available to students through the District catalog and other means.

The Board of Trustees shall consider any recommendation from the CEO for expulsion. The Board shall consider an expulsion recommendation in closed session unless the student requests that the matter be considered in a public meeting. Final action by the Board on a recommendation for expulsion shall be taken at a public meeting.

Grounds for Disciplinary Action

1. The following conduct constitutes good cause for discipline, including but not limited to the removal, suspension, or expulsion of a student, except for conduct that constitutes sexual harassment under Title IX, which is addressed under AP 3433 (Prohibition of Sexual Harassment under Title IX), and AP 3434 (Responding to Harassment Based on Sex under Title IX).
   a. Any theft, conversion, damage, or destruction, including, but not limited to, cutting, defacing, vandalizing, or marking with graffiti, any property, real or personal, belonging to the District, a District employee, a student, or a campus visitor, or knowingly receiving stolen property on campus.
   b. Committing or attempting to commit robbery or extortion.
   c. Forgery, alteration, or misuse of District documents, keys, records, or identification, or knowingly furnishing materially false information to the District or one of its employees.
   d. Any fraud committed against the District including, but not limited to, reversing credit card charges to avoid paying fees, or failure to make good on returned checks cashed by the District.
   e. Cheating, plagiarism, fabrication, and other forms of academic dishonesty, or facilitating academic dishonesty, including, but not limited to: having other students or non-students take courses, tests, placement exams, or write papers; unauthorized access to or use of electronic devices during exams; opening internet browsers while taking closed book, closed note proctored exams.
   f. Violation of classroom rules, as announced in each course syllabus or as otherwise reasonably disclosed to students by the instructor, including, but not limited to, the use of cell phones and other unauthorized devices, electronic or otherwise; attendance and punctuality standards; limitations on the

use of digital or other sources of information or resources, including, but not limited to books, the internet, or artificial intelligence software or platforms; decorum standards; safety standards, including, but not limited to the wearing of specified footwear or safety gear or protective clothing or uniforms; and other standards of conduct, either academic or behavioral in nature, found in the course syllabus or otherwise disclosed by the instructor with reasonable notice.

g. Assault, battery, or otherwise causing, attempting to cause, or threatening to cause physical injury or death to another person(s).

h. Engaging in intimidating conduct or bullying against another member of the college community through words or actions, including direct physical contact; verbal assaults; social isolation or manipulation; and cyberbullying.

i. Sexual assault or sexual exploitation regardless of the victim's affiliation with the District as prohibited by Education Code section 76003.

j. Committing sexual harassment as defined by law or by District policies and procedures.

k. Engaging in harassing or discriminatory behavior prohibited by Board Policy 3430 or Administrative Procedure 3430.

l. Lewd, indecent, or obscene conduct or expression on District-owned or controlled property, or while attending District sponsored or supervised functions.

m. Unlawful possession, use, sale, offer to sell, or furnishing, or being under the influence of, any controlled substance listed in California Health and Safety Code Sections 11053 et seq., an alcoholic beverage, or an intoxicant of any kind; or unlawful possession of, or offering, arranging, or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code Section 11014.5.

n. Unauthorized entry into, unauthorized use of, possession of, or misuse of, District property, facilities, supplies or equipment, or vehicles, or unauthorized occupancy of any buildings or other facilities owned, rented, leased, or otherwise under the District's control.

o. Possession, use, threats of use (whether verbal, written (including electronically),or posted online), or sale of any weapons including, but not limited to, firearms, knives, explosives, dangerous chemicals, or other potentially harmful implements, substances, or objects, which could be classified as a weapon, or any imitation or replica weapons, which may cause alarm to the campus community while on property owned or controlled by the District or while attending a District-sponsored function without prior authorization of the CEO or designee.

p. Failure to identify oneself or failure to comply with directions of District employees acting in performance of their duties including, but not limited to, directions given pursuant to the provisions of the Penal Code Sections 626.6 and 626.8.

q. Obstruction or disruption, on or off campus, of the District's education process, administrative process, or other District functions, such as extracurricular activities, internships, service-learning activities, athletic events, conference travel, field trips, or excursions during all hours the student is under supervision of the District and its employees, or the defiance of authority.

r. Soliciting or assisting another to undertake any act, which would subject a student to expulsion, suspension, probation, or other discipline pursuant to this policy.

s. Abusive behavior directed toward a member of the campus community, or any act which injures, degrades, disgraces, or tends to injure, degrade, or disgrace any fellow student or member of the campus community.

t. Abuse of computing facilities, equipment, network, systems, or computer time, including but not limited to unauthorized entry into a digital file for any purpose; unauthorized transfer of a digital file; unauthorized use of another individual's password or digital credentials; use of computing facilities or equipment to interfere with the work of another student, faculty member, or District employee; or use of computing facilities or equipment to interfere with a District computing system; violation of the requirements and restrictions outlined in District's BP or AP 3720 (Computer and Network Use) or the College of the Canyons Acceptable Use Agreement.

u. Engaging in expression which is obscene, defamatory (i.e., the publication of a false statement of material fact which a reasonable person would understand as harming another person's reputation, as more completely defined in California law), or which so incites students as to create a clear and present danger of the commission of unlawful acts on District premises, or the violation of lawful District policy or procedure, or the disruption of the orderly operation of the District.

v. Unauthorized preparation, selling, transfer, distribution, or publication, for monetary gain, via a digital medium or otherwise, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to handwritten or

typewritten class notes, photographs/images, audio files, or video files.

w. Unlawful gambling on property owned or controlled by the District.

x. Willful or persistent smoking of tobacco products, or the use of an electronic cigarette, hookah, vape, pen, pipe, or similar device used to ingest flavored serums, with or without nicotine and which dispense vapors, in any area where smoking or use of vapor emitting electronic cigarettes, vapes, pens, pipes or similar devices has been prohibited by District policy, procedure, or rules.

y. Failure to follow and comply with established guidelines and regulations of off-site entities while participating in District-sponsored, off-campus activities including, but not limited to, conferences, retreats, field trips, excursions, internships, externships, service-learning or volunteer placements, and athletic events.

z. Violation of federal, state, or local criminal statutes or ordinances, or any District policy, rule, or regulation, while on property owned or controlled by the District or when off-campus and subject to District policies and procedures.

aa. Violations of the California Vehicle Code, local traffic regulations, or District signage or rules applicable to automobiles or other motorized vehicles, which, by virtue of their nature of frequency, cause a threat to persons or property, or the orderly conduct of District operations.

bb. Attempting to perform any actions that are cause for disciplinary action identified in this policy.

cc. Persistent, serious misconduct where other means of correction have failed to bring about proper conduct.

dd. Any cause which is identified as good cause pursuant to Education Code section 76033.

ee. Hazing or attempted hazing of a former, current, or prospective student of the District.

2. The District may impose discipline on students who engage in any of the above behaviors pursuant to the procedures outlined in AP 5520 (Student Discipline Procedures).

AP 5520 STUDENT DISCIPLINE PROCEDURES

References:

Education Code Sections 66017, 66300, 72122, 76030, and 76030 et seq.; Penal Code Section 626.4

The following administrative procedures regulating student disciplinary actions are adopted for the purpose of providing a uniform, prompt, and equitable method of disciplining students for violations of the Standards of Student Conduct, which provides to the student or students involved the due process rights guaranteed to them by the state and federal constitutions. This procedure shall be used in a fair and equitable manner, and not for purposes of retaliation. It is not intended to substitute for criminal or civil proceedings that may be initiated by other agencies.

This administrative procedure is specifically intended not to infringe in any way on the rights of students to engage in free expression as protected by the state and federal constitutions, and by Education Code Section 76120, and shall not be used to punish expression that is protected.

For discipline resulting from a sexual harassment complaint under Title IX, the procedure in AP 3434 (Responding to Harassment Based on Sex under Title IX), must be used

1. Definitions

a. District – The Santa Clarita Community College District.

b. Student – A student is an individual who:

i. has submitted an admissions application to the District for the current or upcoming terms; or

ii. is enrolled in or registered in an academic program of the District, including credit, noncredit, and fee-based training classes, District sponsored functions, and programs including but not limited to the Employee Training Institute, Community Education, and free workshops where teaching or training occurs; or

iii. has met the conditions for part admission or enrollment above in the immediately preceding semester or intersession; or

iv. is currently on suspension with the District.

c. Instructor – Any academic employee of the District in whose class a student subject to discipline is enrolled, or counselor who is providing or has provided services to the student, or other academic employee who has responsibility for the student's educational program.

d. Staff – Any employee of the District who works with a student by providing or who has provided services to the student, or other employee who has responsibility for the student's educational or extracurricular program or service.

e. Day – Business operating days, excluding Saturdays, Sundays, or administrative holidays.

2. Types of Disciplinary Action (Sanctions)

The following types of disciplinary action may be imposed by appropriate District authorities:

a. Short-term Suspension – Exclusion of the student by the District's Chief Executive Officer (CEO), or designee for good cause from one or more classes for a period of up to one term of instruction.

b. Long-term Suspension – Exclusion of the student by the CEO for good cause from one or more classes for the remainder of the school term, or from all

classes and activities of the District for a minimum of one term but no more than four (4) years.

c. Expulsion – Exclusion of the student by the Board of Trustees from the District for one or more terms.

d. Removal from Class – Exclusion of the student by an instructor for the day of the removal and potentially the next class meeting.

e. Withdrawal of Consent to Remain on Campus – Withdrawal of consent by the CEO or Chief Student Services Officer (CSSO) for any person to remain on campus in accordance with California Penal Code Section 626.4 where the CEO or CSSO has reasonable cause to believe that such person has willfully disrupted the orderly operation of the campus.

f. Warning – Notice to the student that continuation or repetition of specified misconduct may be cause for other disciplinary action.

g. Official Reprimand – A written or verbal admonition to the student to cease and desist from conduct determined to violate the Standards of Student Conduct. Written reprimands may become part of a student's permanent record at the District. A record of the fact that a verbal reprimand has been given may become part of a student's record at the District for a period of up to one year.

h. Disciplinary Probation – Disciplinary probation is a status imposed by the District for a specific length of time during which the student must conform to District standards of student conduct. Conditions restricting privileges or eligibility may be imposed. For example, students may be removed from all District organization offices and denied the privilege of participating in all District and student-sponsored activities, including public performances. The District may impose other conditions, such as community service and academic workshops. The term of disciplinary probation shall be not less than one month nor longer than four (4) academic years. If a student engages in further violations of the Standards of Student Conduct during the probationary period, additional disciplinary action may result.

3. Removal from Class by Instructor (Education Code Section 76032)

a. An instructor may remove a student from their class (regardless of modality), field trip, lab, or other educational program if the student has interfered with the instructional process. The duration will be for the day of the removal, at a minimum, and the next class meeting at the instructor's discretion. The instructor shall immediately report the removal to the Office of Student Services for appropriate action.

b. The Office of Student Services may arrange for a conference between the student and the instructor regarding the removal. If the instructor or the student requests, the Chief Student Services Office (CSSO) or designee shall attend the conference. The student shall not be authorized to return to the class during the period of the removal without the instructor first being informed. Nothing herein will prevent the Office of Student Services from recommending further disciplinary procedures in accordance with these procedures based on the facts that led to the removal.

c. If the student who is being removed from class meetings is a minor, the CSSO or designee shall notify the parent or guardian of the student involved in the incident, and shall hold a conference regarding the removal as soon as possible with the student, his or her parent or guardian, and the faculty member.

4. Short-term Suspension

a. The CSSO may exclude the student for good cause from one or more classes for up to one term of instruction.

b. Short-term suspension consists of the temporary removal of the student from enrollment or participation in all District curricular or extracurricular activities, as well as noncredit, fee-based training classes, and programs including but not limited to the Employee Training Institute, Community Education, and free workshops.

c. A suspended student shall not occupy any portion of the campus or campuses or learning management system, and shall be denied all District privileges including face-to-face and online class attendance and privileges.

d. Whenever a minor is suspended, the CEO or designee shall provide written notification to the student's parent or guardian (Education Code 76031).

5. Long-term Suspension

a. The CSSO may exclude the student for good cause from one or more classes for the remainder of the school term or from all classes and activities of the District for at least one term but no more than four (4) years.

b. Long-term suspension consists of the removal of the student from enrollment or participation in all District curricular or extracurricular activities, as well as noncredit, fee-based training classes, and programs including but not limited to the Employee Training Institute, Community Education, and free workshops.

c. A suspended student shall not occupy any prohibited portion of the campus or campuses or learning management system and may be denied District privileges, including face-to-face and online class attendance and privileges.

d. Whenever a minor is suspended, the CSSO or designee provide written notification to the student's parent or guardian (Education Code 76031).

6. Withdrawal of Consent to Remain on Campus

Withdrawal of consent by the CEO or designee for any person to remain on campus in accordance with California Penal Code Section 626.4 where the CEO or designee has reasonable cause to believe that such person has willfully disrupted the orderly operation of the campus.

7. Expulsion

Exclusion of the student by the Board of Trustees from the District for one or more terms. Students may be expelled from the District only by action of the Board of Trustees upon recommendation of the CEO (Education Code 76030). The District may include a notation of the expulsion on the student's official transcript for an indefinite period. The student may appeal this notation to the CEO using the procedures established in Procedure 5530 (Student Rights and Grievances).

8. Administrative Hold

A hold placed on a student's records to prevent the student from re-enrolling in COC courses or the ability to receive any and all District services. This action shall be taken when a student has been suspended or expelled from the District. A hold may also be implemented after a student fails to attend a mandatory disciplinary hearing with the Dean or designee, and, depending upon the outcome of the hearing, the hold may be removed after the student has attended the required hearing.

9. Procedure for Short-term Suspensions, Long-term Suspensions, and Expulsions

a. Before the District takes any disciplinary action to suspend, or expel a student, the following procedures shall apply:

   i. Notice – The CSSO or designee shall provide the student with written notice of the conduct warranting the discipline. The written notice shall include the following:

      A. The specific section of the Standards of Student Conduct that the student is accused of violating.

      B. A short statement of the facts supporting the accusation.

      C. The right of the student to meet with the CSSO or designee to discuss the accusation.

      D. The nature of the discipline that is being considered.

   ii. Time limits – The notice must be provided to the student within thirty (30) days of the date on which the District knew or should have known the conduct took place; in the case of continuous, repeated, or ongoing conduct, the notice must be provided within thirty (30) days of the date on which conduct occurred which led to the decision to refer the student to the Office of Student Services for violation of the Student Code of Conduct.

   iii. Meeting – If the student chooses to meet with the CSSO or designee the meeting must occur within ten (10) days after the notice is provided. At the meeting, the student must again be told the facts leading to the accusation and given an opportunity to respond verbally or in writing to the accusation.

   iv. Decision making - If the student fails to respond or to schedule a meeting within a specific time frame, the CSSO or designee may take disciplinary action based upon the available information and preponderance of evidence – known as more likely than not.

   v. Short-term Suspension – Within fifteen (15) days after the meeting described above, the CSSO or designee shall, decide whether to impose a short-term suspension, whether to impose some lesser disciplinary action, or whether to end the matter. Written notice of the CSSO's decision shall be provided to the student. The notice shall include the length of time of the suspension, or the nature of the lesser disciplinary action. The CSSO's decision on a short-term suspension, or any lesser disciplinary action, shall be final.

   vi. Long-term Suspension – Within fifteen (15) days after the meeting described above, the CSSO or designee shall decide whether to impose a long-term suspension. Written notice of the CSSO or designee's decision shall be provided to the student. The notice shall include the right of the student to request a formal hearing before a long-term suspension is imposed, and a copy of AP 5520 (Student Discipline Procedures) describing the procedures for a hearing.

   vii. Expulsion – Within thirty (30) days after the meeting described above, the CSSO shall, decide whether to recommend expulsion to the Board of Trustees. Written notice of the CSSO's decision shall be provided to the student. The notice shall include the right of the student to request a formal hearing before expulsion is imposed, and a copy of AP 5520 (Student Discipline Procedures) describing the procedures for a hearing.

10. Hearing Procedures - Request for Hearing

Within fifteen (15) days after receipt of the CSSO's decision regarding a long-term suspension or expulsion, the student may request a formal hearing. The student must make the request in writing to the CEO or designee.

a. Schedule of Hearing

   i. The formal hearing shall be held within fifteen (15) days after receipt of a written request for hearing.

b. Student Conduct and Grievance Committee

   i. The hearing panel for any disciplinary action is

the student conduct and grievance committee and shall be composed of two full-time faculty members, one classified staff member, and two students.

ii. At the beginning of every academic year, the presidents of the Academic Senate, CSEA, and the Associate Student Government shall each provide a list of at least five persons from within their constituencies willing to serve on student disciplinary hearing panels to the CSSO. The CSSO shall appoint panelists from the names on these lists. However, no faculty member, classified staff member, or student who has any personal involvement in the matter to be decided, who is a necessary witness, or who could not otherwise act in a neutral manner shall serve on a student conduct and grievance committee panel.

c. Hearing Panel Chair and Coordinator

i. The CSSO shall appoint one member of the panel to serve as the chair of the student conduct and grievance committee panel. The outcome of the majority vote of the hearing panel shall be final on all matters relating to the conduct of the hearing.

ii. The CSSO shall appoint a hearing coordinator and provide appropriate administrative support for the process.

d. Conduct of the Hearing

i. The members of the hearing panel shall be provided with a copy of the accusation against the student and any written response provided by the student before the hearing begins.

ii. The facts supporting the accusation shall be presented by a District representative who shall be the investigator.

iii. The District representative and the student may call witnesses and introduce oral and written testimony relevant to the issues of the matter.

iv. The rules of evidence used in a court of law shall not apply. Any relevant evidence shall be admitted.

v. Unless the hearing panel determines to proceed otherwise, the District representative and the student shall each be permitted to make an opening statement. Thereafter, the District representative shall make the first presentation, followed by the student. The District representative may present rebuttal evidence after the student completes their evidence. The burden shall be on the District representative to prove by the preponderance of the evidence that the facts alleged are true.

vi. A student has a right to select an adviser of their choice or to request the District provide an adviser to the student. An adviser, with written permission from the student, shall receive updates along with the student during the student discipline process and shall participate in the process as an advocate for the student.

A. The District may use any of the following to fulfill its obligation to provide an adviser to the student: a confidential respondent services coordinator, an agreement with a student-based peer support program, and an agreement with an alumni-based support program.

B. The District shall provide training to the adviser selected by the student or provided by the public post-secondary educational institution. The training shall include information on the District's student discipline procedures and may be provided in an online or in-person format.

vii. The student shall not be represented by an attorney unless, in the judgment of the hearing panel, complex legal issues are involved. If the student wishes to be advised by an attorney, a request must be presented not less than five (5) days prior to the date of the hearing. If the student is permitted to be advised by an attorney, the District representative may request legal assistance. The hearing panel may also request legal assistance; any legal advisor provided to the panel may sit with it in an advisory capacity to provide legal counsel but shall not be a member of the panel nor vote with it.

viii. Hearings shall be closed and confidential. In a closed hearing, witnesses shall not be present when not testifying.

ix. The hearing shall be recorded by the District. The official recording shall be the only recording made. No witness who refuses to be recorded may be permitted to give testimony. The hearing panel chair shall, at the beginning of the hearing, ask each person present to identify themselves by name, and thereafter shall ask witnesses to identify themselves by name. The recording shall remain in custody of the District at all times, unless released to a professional transcribing service. Upon request, the complainant and/or Student respondent shall be provided with a copy of the recording.

x. All testimony shall be taken under oath; the oath shall be administered by the hearing panel chair. Written statements of witnesses under penalty of perjury shall not be used unless the witness is unavailable for live testimony. A witness who refuses to be recorded is not permitted to give testimony.

xi. Within fifteen (15) days following the close of the hearing, the hearing panel shall prepare and send to the CSSO a written decision. The decision shall include specific factual findings regarding the accusation and specific

conclusions as to whether the student violated any specific section(s) of the Standards of Student Conduct. The decision shall also include a specific recommendation regarding the disciplinary action to be imposed, if any. The decision shall be based only on the record of the hearing, and not on matters outside of that record. The record consists of the original accusation, the written response, if any, of the student, and the oral and written evidence produced at the hearing. If a written decision is delayed beyond 15 days, this shall not affect the validity of the proceedings, findings, or outcomes, unless otherwise required by law or institutional policy.

11. CSSO or CEO's Decision

a. Long-term suspension – Within fifteen (15) days following receipt of the hearing panel's recommended decision, the CSSO shall render a final written decision. The CSSO may accept, modify, or reject the findings, decisions and recommendations of the hearing panel. If the CSSO modifies, or rejects the hearing panel's decision, the CSSO shall review the record of the hearing, and shall prepare a new written decision which contains specific factual findings and conclusions. The decision of the CSSO shall be final.

b. Expulsion – Within fifteen (15) days following receipt of the hearing panel's recommended decision, the CEO shall render a written recommended decision to the Board of Trustees. The CEO may accept, modify, or reject the findings, decisions and recommendations of the hearing panel. If the CEO modifies, or rejects the hearing panel's decision, they shall review the record of the hearing and prepare a new written decision with specific factual findings and conclusions. The CEO's decision shall be forwarded to the Board of Trustees.

12. Board of Trustees Decision

a. The Board of Trustees shall consider any recommendation from the CEO for expulsion at the next regularly scheduled meeting of the Board after receipt of the recommended decision.

b. The Board shall consider an expulsion recommendation in closed session, unless the student has requested that the matter be considered in a public meeting in accordance with these procedures. (Education Code Section 72122.)

c. The student shall be notified in writing, by registered or certified mail, to the address last on file with the District, or by personal service, at least three days prior to the meeting, of the date, time, and place of the Board's meeting.

d. The student may, within 48 hours after receipt of the notice, request that the hearing be held as a public meeting.

e. Even if a student has requested that the Board consider an expulsion recommendation in a public meeting, the Board shall hold any discussion that might conflict with the right to privacy of any student other than the student requesting the public meeting in closed session.

f. The Board may accept, modify, or reject the findings, decisions and recommendations of the CEO or the hearing panel. If the Board modifies or rejects the decision, the Board shall review the record of the hearing and prepare a new written decision with specific factual findings and conclusions. The decision of the Board shall be final.

g. The final action of the Board on the expulsion shall be taken at a public meeting, and the result of the action shall be a public record of the District.

h. Immediate Interim Suspension (Education Code Section 66017): The CEO may order immediate suspension of a student when they conclude that immediate suspension is required to protect lives or property and to ensure the maintenance of order. In cases where an interim suspension has been ordered, the time limits contained in these procedures shall not apply, and all hearing rights, including the right to a formal hearing where a long-term suspension or expulsion is recommended, shall be afforded to the student within ten (10) days.

13. Procedure for Withdrawal of Consent to Remain on Campus

a. The CSSO or designee may notify any person for whom there is a reasonable belief that the person has willfully disrupted the orderly operation of the campus that consent to remain on campus has been withdrawn. If the person is on campus at the time, they must promptly leave or be escorted off campus. If consent is withdrawn by the CSSO a written report must be promptly made to the CEO.

b. The person from whom consent has been withdrawn may submit a written request for a hearing on the withdrawal within the period of the withdrawal. The request shall be granted no later than seven days from the date of receipt of the request. The hearing shall be conducted in accordance with the provisions of this procedure relating to interim suspensions.

c. In no case shall consent be withdrawn for longer than fourteen (14) days from the date upon which consent was initially withdrawn.

d. Any person as to whom consent to remain on campus has been withdrawn who knowingly reenters the campus during the period in which consent has been withdrawn, except to come for a meeting or hearing, is subject to arrest (Penal Code Section 626.4).

14. Time Limits

Any times specified in these procedures may be shortened or lengthened if there is mutual concurrence by all parties.

15. No Disciplinary Action against Complainants or Witnesses in Sexual Assault Investigations

An individual who participates as a complainant or witness in an investigation of sexual assault, domestic violence, dating violence, or stalking shall not be subject to disciplinary sanctions for a violation of the District's student conduct policy at or near the time of the incident, unless the District determines that the violation was egregious, including, but not limited to, an action that places the health or safety of any other person at risk or involves plagiarism, cheating, or academic dishonesty.

16. Student Discipline Data Reporting

The CEO shall develop an annual report on the number of students who were disciplined pursuant to this procedure and provide it to the Board of Trustees for review. This report must disaggregate the students by race, age, gender, or any other characteristic identified by the Board of Trustees.

STUDENT SUCCESS AND SUPPORT – STUDENT RIGHTS AND RESPONSIBILITIES

Onboarding and Enrollment Services bring the student and the District into agreement regarding the student's educational goal through the District's established programs, policies, and requirements. The agreement is implemented by means of the student educational plan (SEP). The College will establish an early alert program to monitor the student's progress through their educational pathway. The student will be advised when, in the judgement of district personnel, the student has wavered from their pathway. In such a case, the college will provide students with strategies or requirements to stay on their pathway.

Onboarding and Enrollment Services include, but are not limited to, all of the following:

- Orientation on a timely basis, information concerning campus procedures, academic expectations, financial assistance, pathways for completion, and any other appropriate matters.
- Assessment into Math and English/ESL
  - Administration of assessment instruments to determine student placement in computational math and language skills
  - The District shall not use any assessment instrument except one specifically authorized by the Board of Governors of the California Community Colleges.
- Counseling or advising upon enrollment, which shall include, but not be limited to, all of the following:
  - Assistance to students in the identification of aptitudes, interests and educational objectives, including, but not limited to, associate of arts degrees, transfer for baccalaureate degrees, and certificates and licenses
  - Evaluation of student study and learning skills
  - Referral to specialized support services as needed, including, but not limited to, federal, state, and local financial assistance; health services; mental health services; campus employment services; extended opportunity programs and services; campus child care services; programs that teach English as a second language; and disabled student services
  - Course selection
- Follow-up services, and required advisement or counseling for students, who have not declared an educational objective as required, or who are on academic probation or dismissal.

Onboarding and Enrollment Services will assist students in the following ways:

Clarifying the Path

When a student applies to the College, the College will make every effort to clarify the student's pathway choices.

A. To clarify the path, the student will:
- Identify an education and career goal;
- Identify course of study;
- this may include identifying a major or meta-major
- Be assessed to determine appropriate course placement; and
- Complete orientation.

B. The College will:
- Provide the student with career exploration;
- Provide assistance determining an educational and career goal;
- Provide a college orientation;
- Provide assessment into course placement; and
- Develop an appropriate one-semester education plan.

Enter the Path

A. To assist a student on entering a pathway, the student will:
- Participate in the development of the abbreviated student educational plan either with an advisor or counselor, either in-person or online;
- Complete a comprehensive student educational plan no later than the term after which the student completes 15 semester units of degree applicable credit coursework;

B. The College will:
- Assist in the development of a student education plan; and

- Offer tutorials and workshop to help develop an online education plan.

Stay on the Path

A. Once the student has selected a pathway, the student will:
   - Diligently attend class and complete assigned coursework; and
   - Complete courses and maintain progress toward an educational goal.

B. The College will:
   - Provide counseling or advisement to students who decide to change their major; and
   - Engage with a student who might be wavering from their education pathway.

Exemptions to the above matriculation steps are made for the following students:

- Instructional Service Agreement students are exempt from orientation, placement, and educational planning.
- Concurrently enrolled high school students are exempt from placement testing and educational planning.

ONBOARDING

At College of the Canyons, each new student will be required to go through the onboarding process, including:

1. Complete the College of the Canyons online application
2. Complete the Free Application for Federal Student Aid or Dream Application
3. Complete assessment and advisement
4. Complete orientation

Once the student has completed the online application, all students should complete the Free Application for Federal Student Aid (FAFSA) or the Dream Application. Each student will be required to complete the online assessment module, a short questionnaire based on high school coursework to place the student into math and English/ESL. All students are required by law to be placed into transfer level math and English. Please see Title 5 section 55522 for more information.

Once the student completes the online assessment module, they will then complete the online advisement module to learn how to select the right courses and programs to meet their educational goal and develop a one-semester education plan. Students will have the opportunity to schedule follow-up services with an academic advisor. Finally, the student must complete the online orientation to receive their priority registration date. The orientation reviews mandatory information that must be provided to each student, including how to register, repeatability, academic standards, assistance on campus, and how to use college online tools.

Once all four steps are complete, the student is prepared to register for their first semester on their assigned priority registration date. All registration dates will be available in My Canyons within the timeframes below.

In addition, College of the Canyons recommends that all incoming students participate in career and academic program assessment and exploration activities.

Fall 2026 registration dates will be posted to My Canyons by mid-May 2026.

Winter 2027 registration dates will be posted to My Canyons by mid-October 2026.

Spring 2027 registration dates will be posted to My Canyons by mid-October 2026.

Summer 2027 registration dates will be posted to My Canyons by mid-February 2027.

CONFIDENTIALITY OF STUDENT RECORDS AND ACCESS TO RECORDS

(**Family Educational Rights and Privacy Act)**

College of the Canyons maintains student records to ensure the privacy of all such records in accordance with statutes set forth in the Family Educational Rights and Privacy Act of 1974. By law, the College shall not permit access to or release of records or information to outside agencies without an educational interest unless the College obtains the student's written permission. **This statute applies regardless of the student's age. Once a student under the age of 18 is admitted, they are considered a college student and this law applies to their records.**

The one area of student records that can be released is called "Directory Information." Directory information is defined as: student's name, district provided email address, current enrollment status, dates of attendance, major field of study, degrees and awards received, participation in officially recognized activities and sports, weight and height of members of athletic teams, and the most recent public or private school attended by the student. Directory information will only be blocked from release by written request of the student. Students may file a written release to block such information in the Admissions & Records office. The College, at its discretion, may limit or deny the release of student directory information to public or private persons or organizations based on the best interests of the students.

In accordance with the privacy act, the College also has the right to release students' records to institutions and agencies on the basis of educational interest. These are examples of situations where records would be released on the basis of educational interest: College officials, state and federal educational and auditing officers, requests in connection with the application for or receipt of financial aid, subpoenas, recovery services, book publishers in accordance with online tools used in the classroom, and court orders.

Any student has the right to inspect and review his or her student records, within five days of making an official

request. The student may challenge the accuracy of the record or the appropriateness of its retention. Records maintained under this statutes include, but are not limited to information regarding: college admission, registration, academic history, official transcripts from other schools and colleges, career, student benefits or services, extra-curricular activities, counseling and guidance, discipline or matters related to student conduct and any other information the college feels appropriate. All official transcripts from other schools and colleges become property of the College upon receipt and photocopies are not released.

The College makes a reasonable charge for furnishing copies of any student record, except for the normal college procedures that apply to transcript requests. Particular questions with respect to students' rights under the Family Educational Rights and Privacy Act of 1974 should be directed to the director of admissions & records.

BP 3900 SMOKING/TOBACCO USAGE IN AND ON CAMPUS FACILITIES

In the interest of promoting health and well being of District students, staff and visitors and maintaining the safety of District facilities, it shall be the policy of the district to limit or prohibit smoking/tobacco usage in and on campus facilities. This includes and is not limited to the use of an electronic cigarette/vapor, hookah pen or pipe, or other device to ingest flavored serums, with or without nicotine and which dispense vapors.

Administrative Procedure

AP 3900 Smoking/Tobacco Usage In and On Campus Facilities

A. Student, employee, and visitor health is a primary concern of the Santa Clarita Community College District. Because of the clear evidence of the harmful nature of smoke inhalation and air contamination, the district, in accordance with state law, bans smoking/tobacco usage within all campus buildings and in any outdoor area except in designated smoking areas. This policy includes all college-leased and college-occupied buildings. In addition, smoking/tobacco usage shall be prohibited at events held on campus initiated by internal District users or external agencies as defined by the Civic Center Act. Further, smoking/tobacco usage is banned in the swimming pool area, in the Cougar Stadium, and in all College vehicles.

B. Smoking shall be allowed in a designated area near Cougar Stadium. In addition, smoking is allowed in perimeter parking lots away from the central campus.

   1. Smoking is not permitted in the parking area directly adjacent to Boykin Hall and the lot adjacent to the Early Childhood Education Center.
   2. Following recommendations from the Health and Welfare Committee, other smoking areas may be designated by the chief executive officer of the District.

C. All other tobacco usage in and on District facilities is expressly prohibited.

D. Violators shall be subject to appropriate disciplinary action.

E. Questions regarding this policy shall be directed to the chief executive officer of the district or his/her designee. Any review and decision by the chief executive officer of the District or his/her designee shall be deemed to be final.

SUBSTANCE ABUSE PREVENTION

INFORMATION

As students and employees, you should be aware that illicit drug use and alcohol abuse may lead to financial, health, psychological, work, school and legal problems. College of the Canyons presents these facts to make you aware of the dangers of abuse of illicit drugs and alcohol.

HEALTH RISKS

The following are commonly abused drugs and their associated health risks:

Alcohol

- Brain, heart, liver disease
- Fetal alcohol syndrome
- Some forms of cancer
- Addiction
- Reduced life expectancy
- Death from severe overdoses causing respiratory and heart shutdown

Alcohol is involved in two-thirds of violent behavior, one-half of all injuries, one-third of all emotional difficulties and one-third of all academic problems on college campuses. The use of alcohol is detrimental to athletic and academic skills, and impairs concentration, judgment and body coordination.

Marijuana

- Breast enlargement in men
- Increased appetite
- Loss of motivation and purpose
- Heavy psychological dependence
- Loss of sex drive and reduced fertility
- May cause heart and lung damage
- Insomnia for up to 6 months after quitting

Cocaine

- Excitability and restlessness
- False feeling of self-confidence
- Painful nose bleeds and nasal erosion
- Quick addiction
- Depression

- Easy overdose leading to heart failure
- Crack babies
- Behavior leading to exposure to the AIDS virus and syphilis

Stimulants

- Loss of appetite
- Insomnia
- High distractibility
- Anxiety and severe depression
- Suicidal tendencies, anger, violence, and psychotic or criminal behavior

In addition to the above, opiates, depressants, deliriants, hallucinogens and tobacco have significant health risks.

Fentanyl is a potent synthetic opioid drug approved by the Food and Drug Administration for use as an analgesic (pain relief) and anesthetic. It is approximately 100 times more potent than morphine and 50 times more potent than heroin as an analgesic. Presently it is often an unsuspected ingredient of almost any psychoactive drug and can and often does lead to accidental fatality.

Tobacco use is the leading preventable cause of disease and premature death in the United States. Tobacco use causes more deaths each year than alcohol use, car crashes, suicide, AIDS, homicide, and illegal drug use combined. Save your health and your money, schedule a free appointment with the tobacco cessation counselor at the Student Health and Wellness Center (661)362-3259.

Therapeutic drugs, when used for medical treatment, can have beneficial and predictable results. Drugs used for non-medical reasons can cause serious physical and psychological problems.

APPLICABLE LEGAL SANCTIONS

Laws and regulations forbidding substance abuse include the Federal Controlled Standards Act, the California State Business and Professional Code, and the California State Penal Code.

Legal sanctions may be taken against you if you are:

- Driving under the influence of any drug,
- In possession of illegal drugs or controlled substances,
- Using a false I.D. to obtain alcohol,
- Obtaining or providing alcohol for people under legal age,
- Giving prescription drugs to others,
- Selling any drug or controlled substance.

SANTA CLARITA COMMUNITY COLLEGE DISTRICT BOARD POLICY

In accordance with Public Law 101-226 DRUG-FREE SCHOOLS AND COMMUNITIES ACT AMENDMENT OF 1989, the Board of Trustees of Santa Clarita Community College District prohibits the unlawful possession, use or distribution of illicit drugs and alcohol by students and employees on College property and as part of any College-sponsored or sanctioned activity.

Any student or employee in violation of this policy is subject to disciplinary action up to, and including, expulsion from college or termination from employment and referral for prosecution for violations of the standard of conduct.

The decision to take disciplinary action in any such instance rests with the Board of Trustees after consideration of the recommendation of the Chancellor of the College.

COLLEGE OF THE CANYONS RESOURCES

Valencia Campus
Student Health and Wellness Center
(661) 362-3259

Canyon Country Campus
Student Health and Wellness Center
(661) 362-3812

OFF-CAMPUS RESOURCES

National Council on Alcoholism and Drug Dependence (NCADD) of Santa Clarita
24460 Lyons Ave Santa Clarita, CA 91321
(661) 253-9400 (phone) I (661) 253-9403 (fax)

National Alcohol Hotline
(800)-ALCOHOL I (800) 252-6465



Cocaine Anonymous (CA)
(818) 760-8402

Narcotics Anonymous (NA)
(661) 299-5599

Alcoholics Anonymous (AA)
(661) 250-9922

National Clearinghouse for Alcohol and Drug Information
(800) 487-4889

Action Family Counseling
22722 Soledad Canyon Rd. Santa Clarita, CA 91350
(661) 297-8693 (phone) | (661) 297-9701 (fax)

A Light of Hope
23780 Newhall Ave. Ste 201 Newhall, CA 91321
(661) 513-HEAL (4325)

Santa Clarita Mental Health Center:
23501 Cinema Drive Santa Clarita, CA 91355
(661) 288-4800

Aspire Counseling Services
5.0(48) · Addiction treatment center
21080 Centre Pointe Pkwy Suite 101
(888) 585-7373

Child and Family Center
21545 Centre Pointe Parkway Santa Clarita, CA 91350
(661) 259-9439 (phone) | (661) 259-9658 (fax)

Personal health insurance policies may have their own treatment or referral services.



2022 to 2024 Clery Act Crime Statistics - CANYON COUNTRY CAMPUS

Santa Clarita Community College District • College of the Canyons

Availability of the Annual Security Report

Our report includes statistic for the previous three years concerning reported crimes that occurred on-campus; in certain off-campus buildings or property owned or controlled by College of the Canyons; and on public property within, or immediately adjacent to and accessible from, the campus. The report also includes institutional policies concerning campus security, such as policies concerning sexual assault, and other matters. You can obtain a copy of this report by contacting the Campus Safety Office or by accessing the following website: **www.canyons.edu/studentservices/campussafety/clery/index.php**

OFFENSE	ON-CAMPUS PROPERTY			NON-CAMPUS PROPERTY			PUBLIC PROPERTY		
	2022	2023	2024	2022	2023	2024	2022	2023	2024
MURDER / NON-NEGLIGENT MANSLAUGHTER	0	0	0	0	0	0	0	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0	0	0	0	0	0
SEX OFFENSE-RAPE	0	0	0	0	0	0	0	0	0
SEX OFFENSE-FONDLING	0	0	1	0	0	0	0	0	0
SEX OFFENSE-INCEST	0	0	0	0	0	0	0	0	0
SEX OFFENSE-STATUTORY RAPE	0	0	0	0	0	0	0	0	0
ROBBERY	0	0	1	0	0	0	0	0	0
AGGRAVATED ASSAULT	0	1	0	0	0	0	0	0	0
BURGLARY-FORCIBLE ENTRY	0	2	0	0	0	0	0	0	0
MOTOR VEHICLE THEFT	2	0	0	0	0	0	0	0	0
ARSON	0	0	0	0	0	0	0	0	0
DOMESTIC VIOLENCE	0	0	0	0	0	0	0	0	0
DATING VIOLENCE	0	0	1	0	0	0	0	0	0
STALKING	1	1	0	0	0	0	0	0	0
DRUG LAW ARRESTS	0	0	0	0	0	0	0	0	0
ILLEGAL WEAPONS POSSESSION ARRESTS	0	0	0	0	0	0	0	0	0
LIQUOR LAW ARRESTS	0	1	0	0	0	0	0	0	0
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	0	0	0	0	0	0	0	0
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	0	0	0	0	0	0	0	0
WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	1	0	0	0	0	0	0	0
HATE CRIMES	0	0	0	0	0	0	0	0	0

2022 to 2024 Clery Act Crime Statistics - VALENCIA CAMPUS

Santa Clarita Community College District • College of the Canyons

Availability of the Annual Security Report

Our report includes statistic for the previous three years concerning reported crimes that occurred on-campus; in certain off-campus buildings or property owned or controlled by College of the Canyons; and on public property within, or immediately adjacent to and accessible from, the campus. The report also includes institutional policies concerning campus security, such as policies concerning sexual assault, and other matters. You can obtain a copy of this report by contacting the Campus Safety Office or by accessing the following website: **www.canyons.edu/studentservices/campussafety/clery/index.php**

OFFENSE	ON-CAMPUS PROPERTY			NON-CAMPUS PROPERTY			PUBLIC PROPERTY		
	2022	2023	2024	2022	2023	2024	2022	2023	2024
MURDER / NON-NEGLIGENT MANSLAUGHTER	0	0	0	0	0	0	0	0	0
NEGLIGENT MANSLAUGHTER	0	0	0	0	0	0	0	0	0
SEX OFFENSE-RAPE	0	0	0	0	0	0	0	0	0
SEX OFFENSE-FONDLING	0	0	0	0	0	0	0	0	0
SEX OFFENSE-INCEST	0	0	0	0	0	0	0	0	0
SEX OFFENSE-STATUTORY RAPE	0	0	0	0	0	0	0	0	0
ROBBERY	0	0	0	0	0	0	0	0	0
AGGRAVATED ASSAULT	0	0	0	0	0	0	0	0	0
BURGLARY-FORCIBLE ENTRY	0	0	0	0	0	0	0	0	0
MOTOR VEHICLE THEFT	0	1	0	0	0	0	0	0	0
ARSON	0	0	0	0	0	0	0	0	0
DOMESTIC VIOLENCE	0	0	0	0	0	0	0	0	0
DATING VIOLENCE	0	0	0	0	0	0	0	0	0
STALKING	0	0	0	0	0	0	0	0	0
DRUG LAW ARRESTS	0	0	0	0	0	0	0	0	0
ILLEGAL WEAPONS POSSESSION ARRESTS	0	0	0	0	0	0	0	0	0
LIQUOR LAW ARRESTS	0	0	0	0	0	0	0	0	0
DRUG LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	0	0	0	0	0	0	0	0
LIQUOR LAW VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	0	0	0	0	0	0	0	0
WEAPONS POSSESSION VIOLATIONS REFERRED FOR DISCIPLINARY ACTION	0	0	0	0	0	0	0	0	0
HATE CRIMES	0	0	0	0	0	0	0	0	0

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CANYON COUNTRY CAMPUS DIRECTORY

Academic Accommodations Center (AAC)
CCSS-122 362-3901

Admissions & Records
CCSS-202 362-3281

ASG Study Lounge
Building 1-B 362-3840

Basic Needs Center
Building 1-A 362-3975

CalWorks
CCSS-122 362-3271

Campus Administration Canyon Country Campus
CCSS-Floor 4 362-3802/ 362-3253

Campus Escort 362-3831/ 362-3977

Campus Life & Student Engagement
Building 1-A 362-3898

Campus Safety
Building 511 362-3977

Career Services/Internships
CCSS-122 362-3886/ 362-3309

Communication Center (Switchboard/Reprographics)
CCSS-335/336 362-3800/ 362-3831

Counseling
CCSS-122 362-3288

Early Childhood Education Center
CCC2-200/201 362-3279

Extended Opportunities Programs/Services (EOPS)
CCSS-122 362-3279

Financial Aid
CCSS-202 362-3215

Inspire Scholars/NextUp
CCSS-122 362-3676

Intercultural Center
Building 1-C 362-3181

Library
CCSS-302 362-3854

MESA
CCSS-315 (Room 323) 362-3919

School of Personal and Professional Learning (Noncredit Enrollment)
CCSS-202 362-3304

Student Health & Wellness Center
CCSS-123 362-3812

Student Lounge
CCC3-302

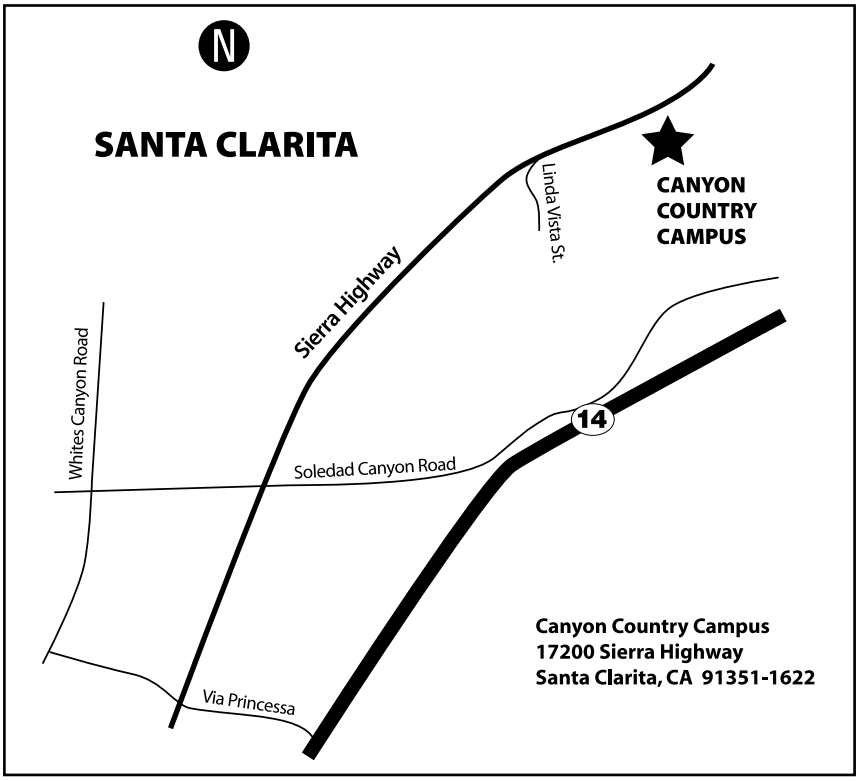
The Tutoring & Learning Center (TLC)
CCSS-315 362-3857
Testing 362-3778

Bluebird Resource Program (BRP)
Building 1-C 362-3780

Veterans Resource Center
CCSS-202 362-3815

Welcome Center
CCSS-337 362-3817

Additional information available at: www.canyons.edu/CCC
For a listing of campus services and hours visit: www.canyons.edu/CCCHours



Building 1-A	Basic Needs Center (BaNC) Campus Life
Building 1-B	ASG Study Lounge
Building 1-C	Intercultural Center Bluebird Resource Program (BRP)
CCC2 200-201	Early Childhood Education (ECE)
CCC2 202-203	Classrooms
CCC3 300-301	Classrooms
CCC3 302	Student Lounge
CCC3 304, 308	Computer Labs
CCC3 305	Pharmacy Technology
CCC3 306	Diagnostic Medical Sonography
CCC3 309-311	Science Labs
CCC4 400-405	Classrooms
CCC5 500-506	Classrooms
CCC5 507	Faculty Offices
CCC5 508-510	Classrooms
CCC5 511	Campus Safety
CCC5 512	Faculty Offices

Takeda Science Center (CCLB):

Floor 1:	
CCLB 110, 116-118	Classrooms
Floor 2:	
CCLB 206-209	Classrooms
CCLB 210-211	Health Professions Sim Lab
Floor 3:	
CCLB 301-303, 305, 308	Science Labs/Classroom
CCLB 327-336, 344, 346	Faculty Offices
Floor 4:	
CCLB 401-403, 405	Science Labs

Student Services & Learning Resources Center (CCSS):

Floor 1:	
CCSS 122	Counseling/EOPS/CalWorks/Academic Accommodations/Career Services/ Internships
CCSS 123	Student Health Center
Floor 2:	
CCSS 202	Admissions/Financial Aid/Personal & Professional Learning/Transfer/Veterans Center
Floor 3:	
CCSS 302/315	Library/The Tutoring and Learning Center (TLC))
CCSS 313	Computer Lab
CCSS 335-336	Communication Center/Reprographics
CCSS 337	Welcome Center
Floor 4:	
CCSS 401-402	Classrooms
CCSS 403	Faculty/Staff Tech Center

Applied Technology Education Center (ATEC):

ATEC 700	Faculty Offices
ATEC 703	Computer Lab
ATEC 704-705	Classrooms
ATEC 706-707	Auto Workshop
ATEC 708	Construction Technology
ATEC Yard	Construction Technology

Student Parking Lots 1, 2, 3 and 6 (Dr. Dianne G. Van Hook Drive)

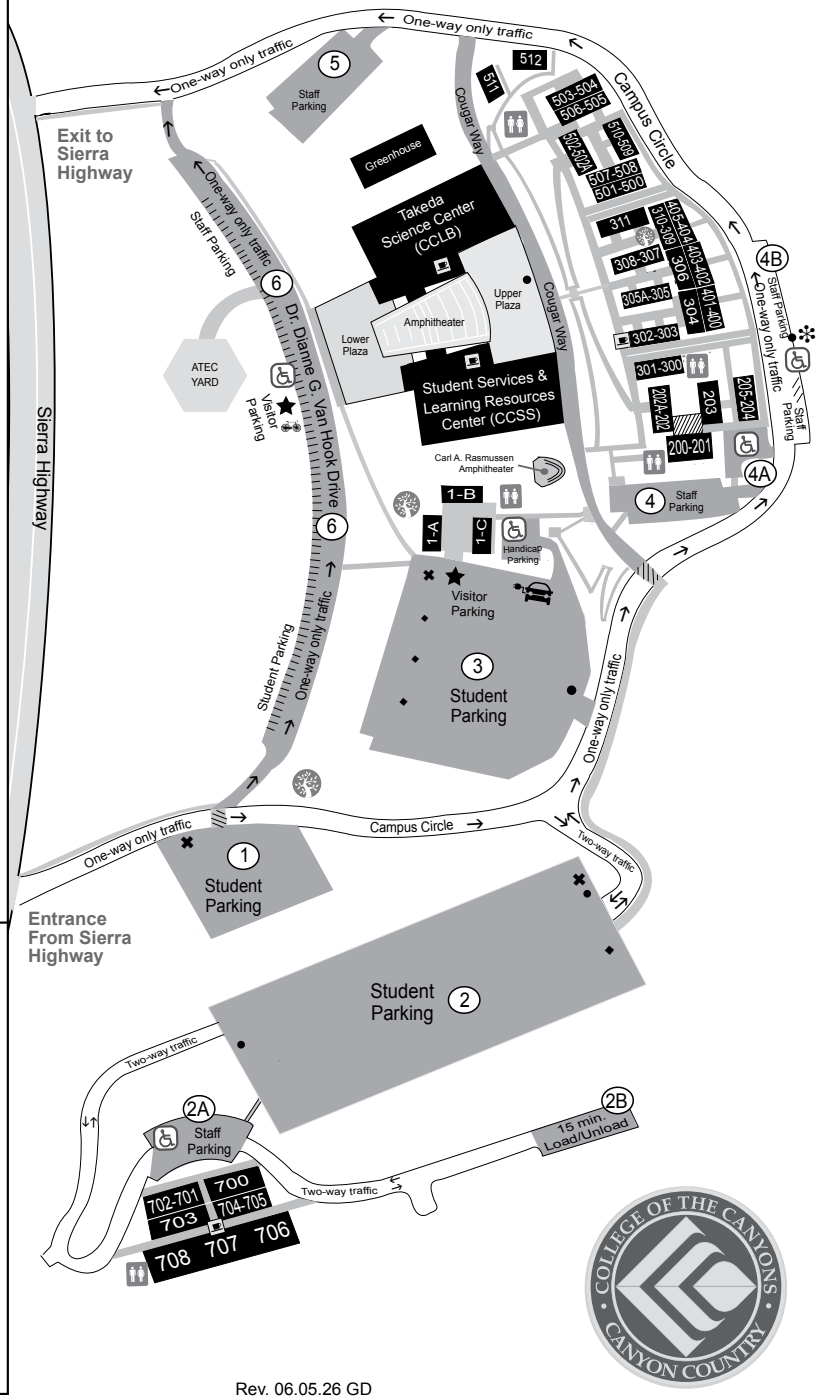
- Parking Information – Lots 1, 2, and 3
- Handicapped Parking
- Restrooms
- Visitor Parking
- Vending Machine
- Motorcycle Parking
- Bicycle Rack
- Bus Stop
- Electric Charging Station
- Campus Evening Shuttle Stops
- Campus Gardens

Refreshments/Vending Machines:

- ATEC (Snack/Supply/Drink)
- Science Center (Floor 3 – Food/Snack/Drink)
- Student Lounge (CCC-302 – Snacks/Supply/Drink)
- Student Services Center (Floor 3 – Snack/Supply/Drink)

College of the Canyons
CANYON COUNTRY CAMPUS

17200 Sierra Highway, Canyon Country, CA 91351-1622
(661) 362-3800 • (661) 362-3979 Fax
www.canyons.edu/canyoncountry



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CANYON COUNTRY CAMPUS MAP

Academic Accommodations Center (AAC)
SCOH-103 362-3341

Academy of the Canyons
UCEN - Level 1 362-3056

Admissions & Records
CHCS-142 362-3281
www.canyons.edu/offices/Admissions

Basic Needs Center
STCN-123 362-3375

Bookstore
STCN-134 362-3255

Cafeteria
STCN-126 362-3268

CalWORKs/CARE
SSC-117 362-3271

Campus Life & Student Engagement
STCN-102 362-3238

Campus Safety
X-8 362-3229

Canyons Promise
CHCS-207 362-3784

Career Services
X-6 362-3286

Center for Applied Competitive Technologies (CACT)
By Appointment 362-3111

Center for Early Childhood Ed.
ECED 362-3501

Communication Center & Mailroom 259-7800
CHCS-105 ext. 0

Community Education
UCEN-279 362-3300
commext@canyons.edu

Counseling & Program Advisement
CHCS-212 362-3288
Counseling Appts. 362-3288
Appointments online at:
www.canyons.edu/counseling

Dr. Dianne G. Van Hook University Center 362-5474
www.cocuniversitycenter.com

Employee Training Institute (ETI)
UCEN-282 362-5657
By Appointment

Extended Opportunities Programs & Services/Cooperative Agencies Resources for Education (EOPS/CARE)
SSC-117 362-3279

Financial Aid, Scholarship
CHCS-142 362-3215
FAX (661) 362-5617
finaid@canyons.edu
scholarships@canyons.edu

Foster & Kinship Care Ed. Office
ECED-126 362-3504

Foundation
CHCS-160 362-3434

Health Professions and Nursing Office
BONH-243A 362-3557
BONH-243 362-3557

HONORS
MENH-316 362-5608

Human Resources
UCEN-360 362-3427

Inspire Scholars/NextUp
SSC-126 362-3676

Instruction Office Assistant Superintendent/VP
CHCS-243 362-3431

Intercultural Center
BONH-31 362-3517

International Students
X-6 362-3580

Internships/Work Experience
X-6 362-3309
www.canyons.edu/interns

Library
LIBR-103 362-3361
peter.hepburn@canyons.edu

Math, Engineering and Science Achievement (MESA)
ALLB-114 362-3448

Noncredit
LTLC-168 362-3304

Office of the President
CHCS-250 362-3400

Online Education
LIBR-246 362-3600

Outreach & Welcome Center
CHCS-167 362-5891

Performing Arts Center
www.canyons.edu/PAC
Michelle Wall 362-3667
Box Office 362-5304

Physical Education/Athletics
EPEK-128 362-3742
Anna Rawls for PT and OT calls. 362-3647

Public Information
CHCS-255 362-3414
pio@canyons.edu

School of Personal and Professional Development (Noncredit classes/Rising Scholars)
CHCS-167 362-3073
www.canyons.edu/CE

Small Business Development Center
UCEN-254 362-5900

Sports Information
CHCS-255 362-3155

Student Business Office
CHCS-101A 362-3033

Student Employment/Volunteer Bureau
STCN-111 362-3464

Student Health & Wellness Center
STCN-122 362-3259
TDD 362-3726

Student Services Office Assistant Superintendent/VP
CHCS-202 362-3498

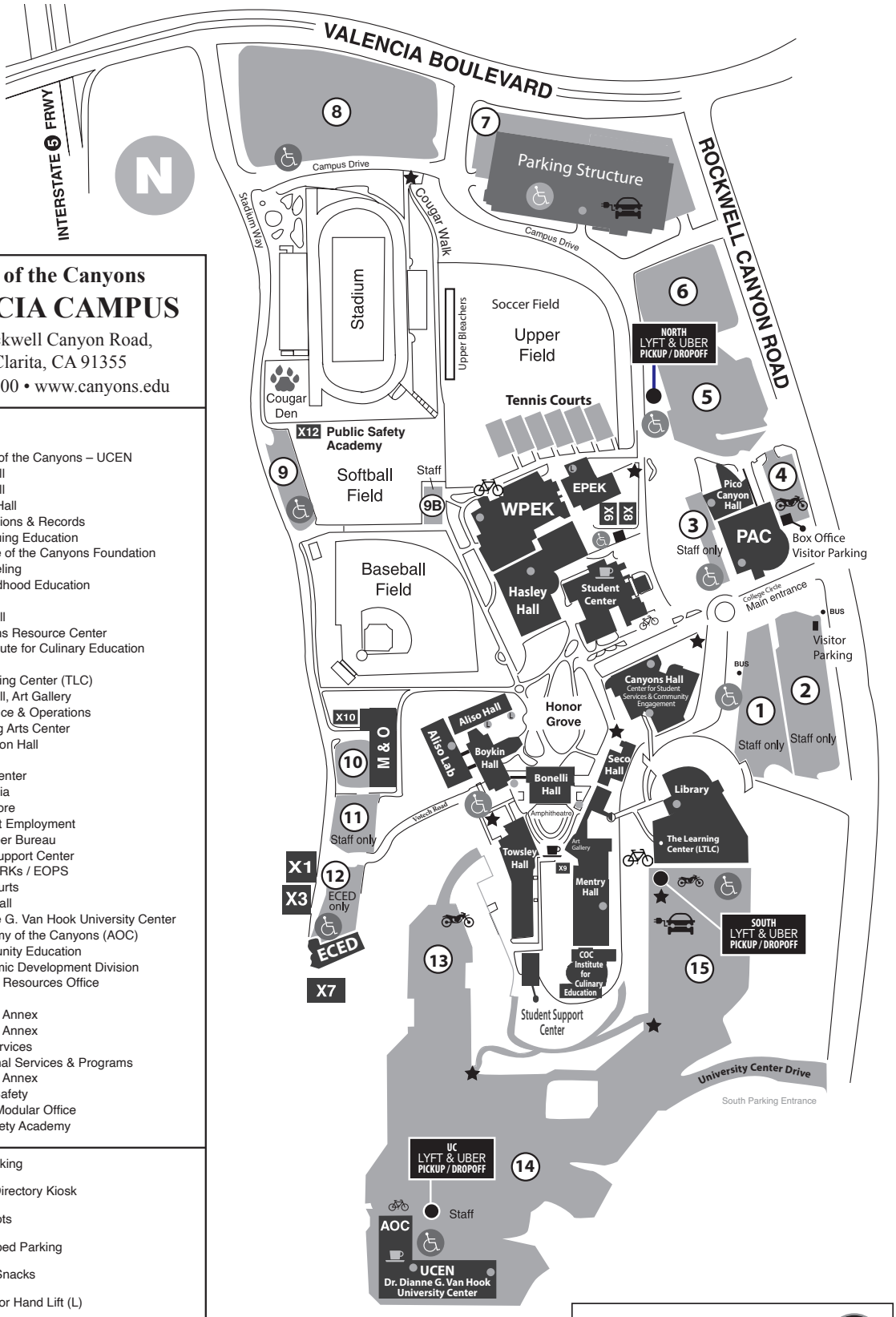
The Tutoring & Learning Center (TLC)
LTLC-126 362-3662
Testing 362-3194

Veterans Center
HSLH-207 362-3469
veterans@canyons.edu

Work Experience Education (WEE) /Volunteer Bureau
STCN-111 362-3464

COLLEGE OF THE CANYONS • Valencia Campus

26455 Rockwell Canyon Road, Santa Clarita, CA 91355
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Map not to scale

College of the Canyons
VALENCIA CAMPUS

26455 Rockwell Canyon Road,
Santa Clarita, CA 91355
(661) 259-7800 • www.canyons.edu

ALLB	Aliso Lab
ALLH	Aliso Hall
AOC	Academy of the Canyons – UCEN
BONH	Bonelli Hall
BYKH	Boykin Hall
CHCS	Canyons Hall • Admissions & Records • Continuing Education • College of the Canyons Foundation • Counseling
ECED	Early Childhood Education
EPEK	East PE
HSLH	Hasley Hall • Veterans Resource Center
iCuE	COC Institute for Culinary Education
LIBR	Library
LTLC	The Learning Center (TLC)
MENH	Mentry Hall, Art Gallery
M&O	Maintenance & Operations
PAC	Performing Arts Center
PCOH	Pico Canyon Hall
SCOH	Seco Hall
STCN	Student Center • Cafeteria • Bookstore • Student Employment • Volunteer Bureau
SSC	Student Support Center • CalWORKs / EOPS
TNS-CRT	Tennis Courts
TWSH	Towsley Hall
UCEN	Dr. Dianne G. Van Hook University Center • Academy of the Canyons (AOC) • Community Education • Economic Development Division • Human Resources Office
WPEK	West PE
X1	FS & ECE Annex
X3	FS & ECE Annex
X6	Career Services International Services & Programs
X7	FS & ECE Annex
X8	Campus Safety
X10	Facilities Modular Office
X12	Public Safety Academy

■	Visitor Parking
★	Campus Directory Kiosk
#	Parking Lots
	Handicapped Parking
	Coffee & Snacks
	Elevator / or Hand Lift (L)
	Bike Rack
	Motorcycle Parking
	Electric Charging Station

SMOKING IS ONLY PERMITTED
IN PARKING LOTS
More than 100 feet from any building.

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Physical Therapist Assistant
Associate in Science

Hands-on training
for healthcare careers











SANTA CLARITA COMMUNITY COLLEGE DISTRICT · COLLEGE OF THE CANYONS

VALENCIA CAMPUS
26455 Rockwell Canyon Road, Santa Clarita, CA 91355

CANYON COUNTRY CAMPUS
17200 Sierra Highway, Santa Clarita, CA 91351

DEL VALLE REGIONAL TRAINING FACILITY
28101 Chiquito Canyon Road, Castaic, CA 91384

www.canyons.edu