2026-2027 ADDENDUM

CREDIT CLASSES

HEALTH SCIENCE

Associate in Science for Transfer Degree: Nutrition and Dietetics

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. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (Cal-GETC)
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 Nutrition and Dietetics. Additional majors are being developed. Please see a counselor or visit http://**www.canyons.edu** for more information.

Degree Student Learning Outcome:

Students will be able to demonstrate the core scientific principles from chemistry, biology, and nutrition science to analyze the relationships between nutrients and health behaviors, while utilizing quantitative reasoning and effective communication to evaluate evidence-based dietary practices for diverse populations.

Program Requirements:

Units Required: 27 - 29

		Units:
HLHSCI-150	Introduction to Nutritional Science	3.0
BIOSCI-221	Introduction to Microbiology	5.0
CHEM-201	General Chemistry I	5.0
	OR	
CHEM-201H	General Chemistry I – Honors	5.0
PSYC-C1000	Introduction to Psychology	3.0
OR		
PSYC-C1000H	Introduction to Psychology – Honors	3.0

Plus two courses from the following:

BIOSCI-201	Introduction to Human Anatomy	4.0
BIOSCI-202	Introduction to Human Physiology	4.0
CHEM-202	General Chemistry II	5.0
CHEM-255	Organic Chemistry I	5.0
PSYC-104	Statistics for the Behavioral Science	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:

COMM-225	Strategies of Argumentation	3.0
CULARTS-121	Culinary Fundamentals I	3.0
GEOGRPH-102	Human Geography	3.0
PSYC-105	Personal Growth & Adjustment	3.0
SOCI-101	Introduction to Sociology	3.0
SOCI-101H	Introduction to Sociology – Honors	3.0

LIBERAL STUDIES

Associate in Arts for Transfer Degree: Elementary Teacher Education: Integrated Programs

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. Completion of 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 Elementary Teacher Education: Integrated Programs. 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 foundational skills and knowledge needed to teach elementary school students in the following: Science, Mathematics, English/Communication, Social Studies and the Arts.

Program Requirements:

Units required: 49

		Units:
BIOSCI-100	General Biology	4.0
	OR	
BIOSCI-100H	General Biology – Honors	4.0
COMM-C1000	Introduction to Public Speaking	3.0
	OR	
COMM-C1000H	Introduction to Public Speaking – Honors	3.0
ECE-101	Child Growth and Development	3.0
EDUC-203	Introduction to Teaching in a Diverse Society	3.0
ENGL-C1000	Academic Reading and Writing	4.0
	OR	
ENGL-C1000H	Academic Reading and Writing – Honors	4.0
ENGL-C1002	Introduction to Literature	3.0
GEOGPRH-104	World Regional Geography	3.0
GEOLOGY-110	Earth Science with Lab	4.0
HIST-C1001	United States History to 1877	3.0
	OR	
HIST-C1001H	United States History to 1877 – Honors	3.0
HIST-161	World History I	3.0
MATH-130	Mathematics for Elementary School Teachers	3.0
PHYSCI-101	Physical Science	4.0
POLS-C1000	American Government and Politics	3.0
	OR	
POLS-C1000H	American Government and Politics - Honors	3.0
	Plus one course from the following:	
DANCE-100	Dance Appreciation	3.0
THEATR-110	Understanding Theatre	3.0
	Plus one course from the following:	
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
SOCI-108	Thinking Critically About Social Issues	3.0

MATHEMATICS

Associate in Science for Transfer Degree: Mathematics 2.0

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1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (Cal-GETC)
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 Mathematics 2.0. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Program Requirements:

Units required: 26-28

		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
MATH-214	Linear Algebra	4.0
MATH-215	Differential Equations	4.0
	Plus three – four units from the following:	
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
PHYSIC-220	Physics for Scientists and Engineers: Mechanics of Solids and Fluids	4.0

PHYSICS

Associate in Science for Transfer Degree: Physics 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. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including the California General Education Transfer Curriculum (Cal-GETC)
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 Physics 2.0. Additional majors are being developed. Please see a counselor or visit **www.canyons.edu** for more information.

Degree Student Learning Outcome:

– Reason conceptually and logically about physical phenomena using scientific models involving the fundamental physics principles of kinematics, kinetics, energy conservation, electromagnetism, thermodynamics, optics, and modern physics.

Continued on the next page.

– Utilize appropriate instruments to measure and examine examples of physics phenomena and relate the results of experimental data to the concepts discussed in the lecture portion of the class.

Program Requirements:

Units Required: 38-39

		Units:
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
	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
	Plus three units from the following:	
CMPSCI-111	Introduction to Algorithms and Programming/Java	3.0
CMPSCI-235	C Programming	3.0
CMPSCI-236	C++ Object Oriented Programming	3.0

2026-2027 ADDENDUM

NONCREDIT CLASSES

ANTHROPOLOGY

Certificate of Completion: Cultural Competency & Professional Skills in Healthcare

Equips students and healthcare professionals with a dual-lens approach to patient care. Students will explore the sociocultural foundations of medicine and how diverse backgrounds influence health outcomes. Applied professional skills will also be covered, with an emphasis on communication and ethical frameworks necessary to thrive in clinical settings.

Certificate Student Learning Outcome:

Students will be able to provide culturally relevant care to a diverse group of patients while utilizing communication strategies, workplace ethics, and professionalism.

Program Requirements:

Units Required: 0

		Units:
NC.ANTH-001	Cultural Competency for Medical Professionals	0.0
NC.HLTH-001	Health Professions Workforce Skills	0.0

NC.ANTH 001 CULTURAL COMPETENCY FOR MEDICAL PROFESSIONALS

20.00 - 24.00 hours

Provides medical professionals or medical students with the cultural competency needed to provide appropriate care to a diverse cultural patient community. Medical anthropology is the study of how biological, psychological, and sociocultural factors interact and inform human promotion of health and disease.

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.

DIAGNOSTIC MEDICAL SONOGRAPHY

Certificate of Completion: Diagnostic Medical Sonography Career Pathway

The Diagnostic Medical Sonography Workforce Career Pathway Certificate provides supervised scan lab training to reinforce classroom instruction and support student success in clinical education. Through structured hands-on practice in abdominal, obstetric/gynecologic, and vascular sonography, students strengthen efficiency in image acquisition, probe manipulation, patient positioning, image quality assessment, and decreasing scan times. The certificate prepares students to enter clinical education with improved technical proficiency, confidence, and professional performance skills expected in healthcare environments.

Certificate Student Learning Outcome:

Students will be able to produce diagnostically acceptable images and meet performance standards expected in clinical settings.

Program Requirements:

Units Required: 0

		Units:
NC.DMS-105A	Sonography Scan Lab I – Abdomen Extended	0.0
NC.DMS-105B	Sonography Scan Lab II – OBGYN and Vascular	0.0

Continued on the next page.

NC.DMS 105A SONOGRAPHY SCAN LAB I — ABDOMEN EXTENDED

27.00 hours

Provides students with additional hands-on practice to strengthen scanning skills and reinforce classroom learning for Abdominal structures. The lab offers a structured and supervised environment where students refine image acquisition and efficiency, probe manipulation, and patient positioning techniques essential for classroom and clinical competency. Students build confidence, improve imaging speed & quality to meet professional performance standards expected in clinical settings. Enrollment priority will be given to current students and graduates of the College of the Canyons DMS Program. If space permits, graduates of other DMS programs and registered sonographers may also be eligible to enroll.

NC.DMS 105B SONOGRAPHY SCAN LAB II - OBGYN AND VASCULAR

27.00 hours

Provides students with additional hands-on practice to strengthen scanning skills and reinforce classroom learning for Obstetrician-Gynecologist (OBGYN) and vascular structures. The lab offers a structured and supervised environment where students refine image acquisition and efficiency, probe manipulation, and patient positioning techniques essential for classroom and clinical competency. Students build confidence, improve imaging speed and quality to meet professional performance standards for the clinical settings. Enrollment priority will be given to current students and graduates of the College of the Canyons DMS Program. If space permits, graduates of other DMS programs and registered sonographers may also be eligible to enroll.

HEALTHCARE

Certificate of Completion: Simulation-Based Healthcare Practice

Provides healthcare students with structured opportunities to develop communication, teamwork, clinical judgment, and task training skills using simulation pedagogy.

Certificate Student Learning Outcome:

Students will be able to demonstrate therapeutic communication, teamwork, safe clinical judgment, and structured communication across complex simulated patient care scenarios.

Program Requirements:

Units Required: 0

		Units:
NC.HLTH-100	Health Professions Simulation Lab I: Simulation Foundations	0.0
NC.HLTH-101	Health Professions Simulation II: Clinical Judgment and Emergency Response	0.0

NC.HLTH 100 HEALTH PROFESSIONS SIMULATION LAB I: SIMULATION FOUNDATIONS

1.00 - 300.00 hours

Provides current healthcare students with structured practice in foundational communication, teamwork, and patient interaction skills in a safe and structured simulation environment. Students engage in experiential learning activities such as gamified exercises, immersive simulations, task trainer practice, role play, and guided clinical scenarios. Emphasis is placed on therapeutic communication, collaboration, safe patient care practices, and culturally responsive interactions that respect diverse patient backgrounds. Reflective debriefing further strengthens clinical judgment, cultural awareness, and confidence in patient care situations.

NC.HLTH 101 HEALTH PROFESSIONS SIMULATION II: CLINICAL JUDGMENT AND EMERGENCY RESPONSE

1.00 - 300.00 hours

Builds upon foundational simulation skills and focuses on clinical decision-making, prioritization, and emergency response within simulated healthcare environments. Students participate in high-fidelity simulations, immersive scenarios, and team-based exercises that replicate complex patient care situations. Emphasis is placed on rapid assessment, communication under pressure, collaborative clinical problem-solving and culturally responsive care. Reflective debriefing is used to strengthen clinical judgment, teamwork, and patient safety practices.

PHYSICAL THERAPIST ASSISTANT

Certificate of Completion: Preparation for Careers in Physical Therapy

Provides foundational preparation for students interested in careers in physical therapy and related movement science professions. The program reviews essential concepts in human anatomy and physiology with emphasis on the body systems that support human movement and rehabilitation. Students develop familiarity with anatomical terminology, physiological principles, and the relationship between body structure and movement. This certificate is designed for students exploring careers in physical therapy or seeking preparatory instruction before entering healthcare education programs.

Certificate Student Learning Outcome:

Students will be able to explain how fundamental principles of human anatomy and physiology relate to human movement and to the roles and responsibilities of physical therapy professionals.

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
NC.PTA-100	Preparing for Careers in Physical Therapy	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. This course is designed for students who have previously completed anatomy 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 100 PREPARING FOR CAREERS IN PHYSICAL THERAPY

45.00 – 60.00 hours

Reviews key physiological principles relevant to human movement and rehabilitation. Topics include neuromuscular 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.