

# Architectural Drafting –AS (Associates GE Track)

+If you have completed coursework at another college and/or are starting in a semester other than a Fall term, please follow up with the Counseling Department to determine if this sequence is appropriate for your academic and career goals.

## Program Description

The Architectural Drafting program is designed to prepare students for careers in the 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.

## Student Learning Outcome

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

**Important Transfer Information:** The sequence listed below satisfies the AS requirements. It will not meet all your transfer admissions requirements. Connect with a counselor to develop an individual student education plan through the Counseling Department @ <https://www.canyons.edu/counseling> or (661)362-3288/(661)362-3811. For questions regarding the profession and discuss career goals, schedule an appointment with Jason Oliver, Department Chair ([Jason.Oliver@canyons.edu](mailto:Jason.Oliver@canyons.edu))

Major courses are sequenced and **BOLDED** based on recommendations by the [Architecture Department](#).

First Semester		(1-14 Units)	
Course	Title	Units	GE Area
<b>ARCHT 100</b> <i>Highly recommended by Department</i>	<b>Careers in Architecture, Interior Design and Related Fields (FA, WI, SP, SU)</b>	<b>1</b>	<b>Recommended Major Elective</b>
<b>ARCHT 110</b>	<b>Architectural Drafting (FA, WI, SP, SU)</b>	<b>3</b>	<b>Major</b>
<b>Required Major Elective - Dept recommends ARCHT 114</b>	<b>Select one course from the Required Major Electives Table below. Department recommends ARCHT 114 - Architecture and Interiors History: Antiquity - Classical Revival (FA)</b>	<b>3</b>	<b>Major &amp; GE Area C</b>
<b>ARCHT 120</b>	<b>Design I - Elements of Architectural Design (FA, SP)</b>	<b>3</b>	<b>Major</b>
ENGL 101/101H	English Composition (FA,WI,SP,SU)	4	Area DI
<b>Term Total:</b>		<b>14</b>	

Check the Honors website for most recent course offerings. Must be enrolled in the Honors program to take courses, see below

Winter Intersession		(15-17 Units)	
Course	Title	Units	GE Area
Communication and Analytical Thinking	Choose any math course from COC GE Area DII (FA, WI, SP, SU). <b>A math course is recommended to meet the Mathematics Competency Requirement. Department Recommends Math 102 - Trigonometry (FA, WI, SP, SU)</b>	3-5	Area DII
<b>Term Total:</b>		<b>3-5</b>	

**NOTE:** Math 102 - Trigonometry is highly recommended as it is a required course for transfer major preparation and meets the pre-requisite for Physics 110 which is also required as a transfer major preparation courses

Second Semester		(18-32 Units)	
Course	Title	Units	GE Area
ARCHT 160	AutoCAD for Architecture and Interior Design (FA, SP, SU)	3	Major
ARCHT 190	Design II - Space Planning (FA, SP)	3	Major
ARCHT 200A	Sustainable Development and Environmental Design (SP)	3	Major
Required Major Elective - Department recommends ARCHT 200B	Select one course from the Required Major Electives Table below. <i>The Department recommends ARCHT 200B - Design III - Environmental Design Lab (SP)</i>	3	Major
Natural Sciences Course	Choose one course from COC GE Area A ( <i>lab not required</i> ) (FA, WI, SP, SU). <i>Department recommends Physics 110 - General Physics I</i>	3-4	Area A
<b>Term Total:</b>		15-16	

NOTE: Physics 110 is highly recommended to meet the science GE. This course is required as a major preparation course for transfer. Math 102 - Trigonometry is a pre-requisite for this course.

Third Semester		(33-47 Units)	
Course	Title	Units	GE Area
ARCHT 140	Materials and Methods of Construction (FA)	3	Major
*Required Major Elective - Department recommends ARCHT 270	Select one course from the Required Major Electives Table below. <i>The Department Highly Recommends: ARCHT 270 - Introduction to Building Information Modeling (BIM) (FA, SP)</i>	3	Major
Required Major Elective - Department recommends ARCHT 280	Select one course from the Required Major Electives Table below. <i>The Department Highly Recommends: ARCHT 280 - Design IV - Advanced Design (FA)</i>	3	Major
**Social Science Course	Choose one course from COC GE Area B (FA, WI, SP, SU)	3	Area B & Diversity
American Institutions Course Choose Option 1 or 2	Complete first course in chosen option – (note: must take both classes within same option) (FA, WI, SP, SU) – <i>see table below</i>	3	Area E
<b>Term Total:</b>		15	

\*ARCHT 260 - 3-D CAD For Modeling/Animation (FA) may be used as a Major Course Substitution for ARCHT 270 depending on student's career goals. Consult with Department Chair and Counseling for more information.

\*\*Consider taking a social science general education course GE Area B with an (\*) indication on the [Associate Degree Requirements Checklist](#). Courses with an (\*) will also meet the GE Diversity Requirement. Refer to the Associate Degree Checklist for details.

Winter Intersession		(48-50 Units)	
Course	Title	Units	GE Area
Required Major Elective - Department recommends ARCHT 240	Select one course from the Required Major Electives Table below. <i>The Department Highly Recommends: ARCHT 240- Architectural Design Portfolio (WI)</i>	3	Major
<b>Term Total:</b>		3	

NOTE: For those interested in transfer to a university, it is necessary to prepare your transfer portfolio for supplemental program admission criteria. This is generally due in the winter prior to fall transfer. ARCHT 240 will help build your transfer portfolio.

Fourth Semester		(51-64 Units)		
Course	Title	Units	GE Area	
ARCHT 180	Codes and Zoning Regulations (SP)	3	Major	
If your schedule permits, the department highly recommends ARCHT 220 OR ARCHT 290 for transfer	ARCHT 220 Advanced 2-D CAD for Architecture and Interior Design (SP) OR ARCHT 290 Advanced Building Information Modeling (BIM) (SP)	3	Recommended Major Elective	
ID 104	Rapid visualization and Illustration (SP)	3	Recommended Major Elective	
American Institutions Course	Complete second course in chosen option – (note: must take both classes within same option) (FA, WI, SP, SU) – <i>see table below</i>	3	Area E	
Physical Education and Wellness	Take two PE or Dance activity courses (excluding DANCE 100) or Health Science 100, 149, 150, or 243 (FA,WI, SP, SU)	2-3	Area F	
		<b>Term Total:</b>	14-15	

**Total Units: 64+**

**Required Major Electives: Select 15 units from the following**

ARCHT 200B	Design II – Environmental Design Lab (SP)	3
ARCHT 220	Advanced 2-D CAD for Architecture and Interior Design (SP)	3
ARCHT 240	Architectural Design Portfolio (WI)	3
ARCHT 270	Introduction to Building Information Modeling (BIM) (FA, SP)	3
ARCHT 280	Design IV – Advanced Design (FA)	3
ARCHT 290	Advanced Building Information Modeling (BIM) (SP)	3
ARCHT 114	Architecture and Interiors History Antiquity – Classical Revival (FA)	3
ARCHT 115	Architecture and Interiors History (SP)	3

**Recommended Electives**

ARCHT 084	Digital Illustration for Architecture and Interior Design (FA, SP)	2
ARCHT 100	Careers in Architecture, Interior Design and Related Fields (FA, WI, SP, SU)	1
ARCHT 260	3-D CAD for Modeling/Animation (FA)	3
ID 102	Applied Color for Designers (FA, SP)	3
ID 104	Rapid Visualization and Perspective Illustration (FA, SP)	3
ID 207	Residential Design (SP)	3

**American Institutions Requirement** – Select one of the options below and complete a total of 6 units

<b>Option 1</b>	One course from the following: Economics 170/170H, History 111/111H, History 112/112H, History 120/120H, or History 130 AND Political Science 150/150H (FA, WI, SP, SU)
<b>Option 2</b>	History 111/111H AND History 112/112H (FA, WI, SP, SU)

**Counseling Resources:**

Architecture Department: <https://www.canyons.edu/academics/architecture>

Associate Degree Checklist: <https://www.canyons.edu/student-services/counseling/degrees/generaled.php>

Petition for Certificate - petitions are due during the semester you complete your program

[https://www.canyons.edu/resources/documents/student-services/admissions/AR\\_081\\_Petition\\_for\\_Certificate\\_Fillable.pdf](https://www.canyons.edu/resources/documents/student-services/admissions/AR_081_Petition_for_Certificate_Fillable.pdf)

Petition for Associate Degree– petitions are due by the first Friday of the graduating term

[https://www.canyons.edu/\\_resources/documents/student-services/admissions/AR052PetitionForAssociateDegreeFillable.pdf](https://www.canyons.edu/_resources/documents/student-services/admissions/AR052PetitionForAssociateDegreeFillable.pdf)

COC Honors Program: <https://www.canyons.edu/academics/honors/index.php>

CSU/UC Articulation Agreements: [www.assist.org](http://www.assist.org)

Woodbury University Transfer Agreement: <https://1wbt411gsq722n1thn3wskiq-wpengine.netdna-ssl.com/wp-content/uploads/2019/06/College-of-the-Canyons-Architecture-2019-2020.pdf>

### Career Resources

O\*Net Online - <https://www.onetonline.org/find/quick?s=Architect>

Bureau of Labor and Statistics - Architects: <https://www.bls.gov/ooh/architecture-and-engineering/architects.htm>

What Can I Do With a Major In? <http://career.uark.edu/majors/pdf/architecture.pdf>

California Architects Board – Becoming a Licensed Architect:

[https://www.cab.ca.gov/candidates/becoming\\_a\\_licensed\\_architect/](https://www.cab.ca.gov/candidates/becoming_a_licensed_architect/)

American Institute of Architecture Students: [www.aias.org](http://www.aias.org)

Professional Associations:

National Architectural Accrediting Board: <https://www.naab.org/>

National Council of Architecture Registration Board: <https://www.ncarb.org/get-licensed/licensing-requirements-tool?state=AL>

American Institute of Architects, California Council (AIACC) <http://www.aiacc.org/>