

Construction Technology AS (Associate 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 Construction Technology Program is designed to prepare students for entry-level positions in the building construction trades.

Program SLO

Students will be able to demonstrate proficiency in entry-level skills and knowledge required for employment in a construction technology career field.

Important Information: The sequence listed below, satisfies your AS 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.

Major courses are sequenced and **BOLDED** based on recommendations by the [Construction Management Technology](#)

First Semester	(0-15 Units)		
Course	Title	Units	GE Area
CONST 10	Plumbing Technology I (FA)	2	Major Course
CONST 20	Electrical Technology I (FA)	2	Major Course
CONST 30	Carpentry Technology I (FA)	2	Major Course
CONST 101	Introduction to Construction and Construction Engineering (FA, WI, SP)	2	Major Course
MFGT 090	Measurements and Computations (FA, SP)	3	Major Course
ENGL 101/101H	English Composition (FA, WI, SP, SU)	4	Area DI
	Term Total:	15	

Second Semester	(16-29 Units)		
Course	Title	Units	GE Area
CONST 12	Plumbing Technology II (SP)	2	Major Course
CONST 22	Electrical Technology II (SP)	2	Major Course
CONST 32	Carpentry Technology II (SP)	2	Major Course
CONST 103	Blue Print Reading for Construction (FA, SP)	3	Major course
Communication and Analytical Thinking	Choose any math course from COC GE Area DII (FA, WI, SP, SU) <i>A math course is recommended in this area to also meet the Mathematics Competency Requirement</i>	3-5	Area DII & Math Competency
Physical Education and Wellness	HLHSCI 100 - Health Education (FA, WI, SP, SU) HLHSCI 150 - Nutrition (FA, SP, SU) HLHSCI 243* Women and Health (FA, SP) PE KPEA or KPEI or Dance Activity (FA, WI, SP, SU)	2-3	Area F
	Term Total:	14-17	

Third Semester		(30-45 Units)	
Course	Title	Units	GE Area
CONST 109	California Building Code (FA)	3	Major Course
CONST 122 or CONST 124	Plumbing Systems and the Plumbing Code (FA) or California Electrical Code (SP)	3	Major Course
* American Institutions Course – Choose Option I or II	Complete first course in chosen option – (note: must take both classes within same option) (FA, WI, SP, SU) – see “American Institutions” box below	3	Area E
Natural Sciences Course	Choose one course from COC GE Area A (lab not required) (FA, WI, SP, SU)	3	Area A
** Humanities and Fine Arts	Choose one course from COC GE Area C (FA, WI, SP, SU)	3	Area C & Diversity
		Term Total:	15

*See notation below in text box titled “American Institutions Requirement” regarding options.

**Consider taking a humanities general education course GE Area C 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.

Fourth Semester		(46-60 Units)	
Course	Title	Units	GE Area
Social Science Course	Choose one course from COC GE Area B (FA, WI, SP, SU)	3	Area B
* American Institutions Course	Complete second course in chosen option – (note: must take both classes within same option) (FA, WI, SP, SU) – see “American Institutions” box below	3	Area E
Elective Course OR Diversity if not yet met	Choose any course that is an associate degree applicable course (FA, WI, SP, SU) OR Diversity Requirement (May double with other GE Notated with an Asterisk on the GE Checklist)	3	Elective or Diversity
Elective Course	Choose any course that is an associate degree applicable course (FA, WI, SP, SU)	3	Elective
Elective Course	Choose any course that is an associate degree applicable course (FA, WI, SP, SU)	3	Elective
Elective Course	Choose any course that is an associate degree applicable course (FA, WI, SP, SU)	1	Elective (if needed to meet remaining units towards your 60)
		Term Total:	15- 16

*See notation below in text box titled “American Institutions Requirement” regarding options.

Notes: In order to complete your AS degree in two years a minimum of 15 units per semester is necessary. You may consider taking winter/summer coursework to help lighten your load during fall/spring.

Total Units: 60

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

Option 1	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)
Option 2	History 111/111H AND History 112/112H (FA, WI, SP, SU)

Counseling Resources:

Construction Management Department Website: www.canyons.edu/const

[Associate Degree Checklist](https://www.canyons.edu/studentservices/counseling/degrees/generaled.php): <https://www.canyons.edu/studentservices/counseling/degrees/generaled.php>

[Petition for Certificate](#) - petitions are due during the semester you complete your program

[Petition for Associate Degree](#)– petitions are due before the first Friday of the graduating term

Career Resources

California Career Zone – Electrician: <https://www.cacareerzone.org/profile/47-2111.00>

California Career Zone - Plumber: <https://www.cacareerzone.org/profile/47-2152.02>

California Career Zone - Construction Carpenter: <https://www.cacareerzone.org/profile/47-2031.01>

O*NET Online – Electrician: <https://www.onetonline.org/link/summary/47-2111.00>

O*NET Online – Plumber: <https://www.onetonline.org/link/summary/47-2152.02>

O*NET Online – Carpenter: <https://www.onetonline.org/link/summary/47-2031.00>

Bureau of Labor and Statistics – Electrician: <https://www.bls.gov/ooh/construction-and-extraction/electricians.htm>

Bureau of Labor and Statistics – Plumber: <https://www.bls.gov/ooh/construction-and-extraction/plumbers-pipefitters-and-steamfitters.htm>

Bureau of Labor and Statistics – Carpenter: <https://www.bls.gov/ooh/construction-and-extraction/carpenters.htm>