



Construction A.S. Degree

CRC's Construction Program is designed to provide students with basic and applied technical skills and knowledge necessary for employment in the building and construction industry. This program trains students for an industry that is one of the largest employers in the nation. Standard construction procedures are emphasized throughout the program.

Total Units: 59-62

First Year

Semester 1

15 Units

COURSE	UNITS	PRE-REQS [^]	SEMESTERS OFFERED*	GE AREA
CONST 105 ^Z Rough Carpentry I - Tools, Materials, and Foundations	3		F	
CONST 106 ^Z Rough Carpentry II - Floors, Walls, and Roof Framing	3		F, S	
CRC Area II(a)-Writing Competency ^Z	3	Recommend meeting with a counselor	F, S Su	CRC Area II(a)
CRC Area I-Humanities ^Z	3		F, S	CRC Area I
CRC Area III(b)-Life Development Skills ^Z	3		F, S	CRC Area III(b)

^Z At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

Semester 2

15-16 Units

COURSE	UNITS	PRE-REQS [^]	SEMESTERS OFFERED*	GE AREA
CONST 107 ^Z Rough Carpentry III - Exterior Finishes	3		F, S	
CONST 108 ^Z Finish Carpentry I - Interior Finish	3		F, S	
CMT 300 Introduction to Construction Plans and Specifications or	3	Advisory: concurrent enrollment in CMT 310	F, S	
BIT 102 Plan Reading and Non-Structural Plan Review	3	Advisory: ADT 300 & BIT 100	Check Class Schedule for offering	

Career

Options/Outlook:

Construction laborers perform tasks involving physical labor at construction sites. May operate hand and power tools of all types: air hammers, earth tampers, cement mixers, small mechanical hoists, surveying and measuring equipment, and a variety of other equipment and instruments. May clean and prepare sites, dig trenches, set braces to support the sides of excavations, erect scaffolding, and clean up rubble, debris, and other waste materials. May assist other craft workers.

A sample of reported job titles:

Construction Laborer, Construction Worker, Curb and Gutter Laborer, Drain Layer, Drop Crew Laborer, Helper, Laborer, Post Framer, Skill Labor, Union Laborer

Projected job openings in California (2020-2030):

16,290

Projected growth in California (2020-2030):

17% growth

Median Salary in California (2021):

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CMT 310 ^Z Materials of Construction	3	Advisory: CMT 300	F(O), S(O)	
CRC Area II(b)-Math Competency ^Z	3-4	Recommend meeting with a counselor	F, S, Su	CRC Area II(a)

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Year 2

Semester 3

16 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CMT 112 ^Z Construction Estimating	3	Advisory: CMT 310	F, S	
CMT 136 ^Z Construction Safety	3	Advisory: CMT 300	F(O only)	
CRC Area IV-Natural Science ^Z	3		F, S, Su	CRC Area IV
CRC Area V(b)-Social & Behavioral Science ^Z	3		F, S, Su	CRC Area V(b)
CRC Area VI-Ethnic/Multicultural Studies ^Z	3		F, S, Su	CRC Area VI
CRC Area III(a)-Physical Edu Activity ^Z	1		F, S, Su	CRC Area III(a)

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Semester 4

13-15 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CMT 120 ^Z Legal Aspects of Construction	3		S(O only)	
CMT 313 Computer Estimating for Construction	3		S	

\$47,490/yr

Source:

<https://www.onetonline.org/link/summary/47-2061.00>

Transfer notes:

Please meet with a counselor for specific transfer course evaluation or transferring to a specific 4-year institution.

General Education (GE):

Non-specified GE courses identified by CRC Area, CSU Area or IGETC Area without pre- or co-requisite can be taken at any semester.

Honors option:

The CRC Honors Program is designed specifically for academically accomplished students and for students with the potential for high achievement. Students who complete 15 units or more in honors-designated courses will earn special recognition as an Honors Scholar, a distinction that may entitle the student to guaranteed transfer and scholarship opportunities at select transfer colleges and universities.

About this map:

This program map represents one possible pathway to complete the program. Please see a counselor to create an education plan that is customized to meet your needs. This map is not a guarantee of course availability or financial aid applicability.

Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator,

COURSE	UNITS	PRE-REQS [^]	SEMESTERS OFFERED*	GE AREA
BIT 100 Introduction to the International Building Code	3		S	
CRC Area V(a)- American Institutions Z	3		F, S, Su	CRC Area V(a)
Elective¹	1-3		F, S, Su	

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[^]You must have passed the prerequisite course(s) with a “C” or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

*(O) = Online available, (P) = Partially online

¹ Suggestion-CONST 103 OSHA 10 Hour Safety Training (1 unit); F, S; Meets requirement for Certificate in Construction Pre-Apprenticeship and Certificate in Construction. Units needed to total 60 units for graduation. Refer to [Course Number](#) for the appropriate course level necessary for the degree.

art supplies, etc. See full definitions and searching tips on the [Zero Textbook Costs page](#) of the college website.