

BUILDING CONSTRUCTION, ASSOCIATE IN SCIENCE DEGREE

Banner Code: 1_AS_CTRS
Financial Aid Eligible

Students may select any combination of courses that total eighteen (18) or more units from the following list. Note: Construction Technology A165 and Construction Technology A195 are required for any first earned Certificate of Achievement. No course may be applied to more than one Residential Construction Development certificate.

Complete the Residential Construction Development First Award Certificate of Achievement and the Associate in Science graduation requirements as outlined in the Graduation Requirements section of the catalog.

Program Outcomes

1. Demonstrate the knowledge, skills and experience to identify, assess, and participate in many entry-level construction trades.
2. Be prepared to work in the construction field in positions including, but not limited to work areas such as inspection, management, and as hands-on skilled tradespeople.

Review Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/associate-degree/>) and General Education (<https://catalog.cccd.edu/orange-coast/general-education-patterns/>).

Course	Title	Units
Required Courses		
CNST A165	Construction Safety/CAL OSHA ¹	3
CNST A195	Residential Code ¹	3
or CNST A194	Introduction to Building Codes	
Restricted Electives		
Select 12 units of the following: ²		12
ARCH/CNST A196	Green Building Codes	
ARCH/CNST A197	California Energy Code	
CNST A100	Principles of Construction	
CNST A112	Stair Framing	
CNST A114	Cabinet Making	
CNST A125	Additions and Remodeling	
CNST A150	Electronics for Electricians	
CNST A154	Drywall & Taping	
CNST A155	Intro to Home Automation	
CNST A156	National Electrical Code	
CNST A157	Photovoltaic System Installation	
CNST A170	Introduction to Construction	
CNST A180	Building Construction 1	
CNST A185	Building Construction 2	
CNST A189	Blueprint Reading	
CNST A190	Blueprint Reading and Drafting	
CNST A198	Energy Audit	

Course	Title	Units
CNST A199	Current Topics in Construction Technology	
CNST A209	Concrete Flatwork	
CNST A210	Concrete Construction	
CNST A211	Decorative Concrete	
CNST A220	Construction Estimating	
CNST A225	Land and Building Development	
CNST A230	Construction Inspection	
CNST A240	Specialty Trades	
CNST A241	Finish Carpentry	
CNST A250	Construction Supervision and Project Management	
CNST A252	Business Law for Contractors	
CNST A260	Masonry Construction	
CNST A261	Masonry Construction II	
CNST A265	Plumbing 1	
CNST A266	Plumbing 2	
CNST A270	Contrator's License Law	
CNST A275	Residential Electrical Wiring	
CNST A285	Light Steel Frame Construction	

Total Units **18**

¹ Required for First Certificate.

² No course may be applied to more than one certificate.

Requirement	Units
Program Major Units	18
AS General Education Option 1, 2, or 3	Varies
Transferable electives to satisfy unit requirement	Varies
Total Degree Units	60

Program Sequence

These sequences at Orange Coast College are general course curriculum maps for students to finish all major and general education requirements for two-year completion of degrees, and/or fulfillment of transfer requirements. The course sequence may include course prerequisites and other placement requirements. **Students are advised to meet with an Orange Coast College Counselor to review course selections and sequences to ensure that completion of this program will meet a student's transfer and career goals.**

Course	Title	Units
Year 1		
Semester 1		
CNST A165	Construction Safety/CAL OSHA	3
OCC AS GE AREA A1 - CHOOSE ONE		3
RESTRICTED ELECTIVES (See Requirements) ¹		6
ELECTIVE (DEGREE APPLICABLE)		3
Units		15
Semester 2		
CNST A195	Residential Code	1.5-3
or CNST A194	or Introduction to Building Codes	
OCC AS GE AREA B - CHOOSE ONE		3-4
OCC AS GE AREA C1 - CHOOSE ONE		3

Course	Title	Units
RESTRICTED ELECTIVES (See Requirements) ¹		3
ELECTIVE (DEGREE APPLICABLE)		4.5
Units		15-17.5
Year 2		
Semester 1		
OCC AS GE AREA A2 - CHOOSE ONE ²		3-4
OCC AS GE AREA C2 - CHOOSE ONE		3
RESTRICTED ELECTIVES (See Requirements) ¹		3
ELECTIVE (DEGREE APPLICABLE)		6
Units		15-16
Semester 2		
Select one of the following or satisfy Math competency (completion of High School Algebra 2 with a "C" or better):		3-4
MATH A030 or MATH A045	Intermediate Algebra (or higher) ³ or Combined Elementary and Intermediate Algebra	
OCC AS GE AREA D - CHOOSE ONE		3
ELECTIVE (DEGREE APPLICABLE) ⁴		9
Units		15-16
Total Units		60-64.5

¹ Meet with Construction Faculty to build a program to meet your goals and select appropriate Restricted Electives

² OCC AS GE AREA A2 - Required if 100-level MATH will not be taken to meet Math competency. If MATH A100 or higher will be taken, then needs to take 3-4 degree applicable elective units

³ Math A030 or higher OR take 3-4 degree applicable elective units if math competency was met through completion of High School Algebra 2 with a "C" or better; *100-level Math courses satisfy AS Math Requirement and OCC AS GE AREA A2

⁴ VARIES TO REACH MINIMUM 60 DEGREE UNITS