

MASTER CONSTRUCTION SPECIALIST, ASSOCIATE IN SCIENCE DEGREE

Banner Code: 1_AS_CTMS
Financial Aid Eligible

The terms "Master" and "Specialist" imply a very broad knowledge in several of the construction trades and management disciplines. Students who complete this program will have their names displayed on a perpetual "Award of Excellence" listing in the Construction Department.

Complete the Master Construction Specialist 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		
<i>Core Courses</i>		
CIS A100 or CHT A100	Introduction to Computer Applications Computer Use in Technology	3
CNST A114	Cabinet Making	4
CNST A165	Construction Safety/CAL OSHA	3
CNST A180	Building Construction 1	5
CNST A190	Blueprint Reading and Drafting	4
CNST A195	Residential Code	3
CNST A210	Concrete Construction	5
CNST A240	Specialty Trades	5
CNST A260	Masonry Construction	5
CNST A265 or CNST A266	Plumbing 1 Plumbing 2	4
CNST A275	Residential Electrical Wiring	5
CNST A285	Light Steel Frame Construction	2.5
CNST A185	Building Construction 2	5
<i>Restricted Electives</i>		
Select one of the following:		3
CNST A220	Construction Estimating	
CNST A230	Construction Inspection	
CNST A250	Construction Supervision and Project Management	
Total Units		56.5

Requirement	Units
Total Degree Units	56.5
AS General Education Option 1, 2, or 3	Varies
Total Minimum Degree Units	74.5

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.**

Some courses in this program may be offered once per academic year.

Course	Title	Units
Year 1		
Semester 1		
CNST A180	Building Construction 1	5
CNST A165	Construction Safety/CAL OSHA	3
CNST A260	Masonry Construction	5
OCC AS GE AREA A1 - CHOOSE ONE		3
Units		16
Semester 2		
CNST A114	Cabinet Making	4
CNST A195	Residential Code	3
CNST A185	Building Construction 2	5
OCC AS GE AREA B - CHOOSE ONE		3-4
OCC AS GE AREA C1 - CHOOSE ONE		3
Units		18-19
Summer		
OCC AS GE AREA D - CHOOSE ONE		3
OCC AS GE AREA A2 - CHOOSE ONE ¹		3-4
Units		6-7
Year 2		
Semester 1		
Select one of the following or satisfy Math competency (completion of High School Algebra 2 with a "C" or better):		0-4
MATH A030 or MATH A045	Intermediate Algebra (or higher) ² or Combined Elementary and Intermediate Algebra	
CNST A285	Light Steel Frame Construction	2.5
CNST A265 or CNST A266	Plumbing 1 or Plumbing 2	4
CNST A190	Blueprint Reading and Drafting	4
AS RESTRICTED ELECTIVE - CHOOSE ONE		3
CNST A220 or CNST A230 or CNST A250	Construction Estimating or Construction Inspection or Construction Supervision and Project Management	
Units		13.5-17.5

Course	Title	Units
Semester 2		
CIS A100 or CHT A100	Introduction to Computer Applications or Computer Use in Technology	3
CNST A210	Concrete Construction	5
CNST A240	Specialty Trades	5
CNST A275	Residential Electrical Wiring	5
OCC AS GE AREA C2 - CHOOSE ONE		3
Units		21
Total Units		74.5-80.5

¹ OCC AS GE AREA A2 - Required if 100-level MATH will not be taken to meet Math competency.

² Math A030 or higher; *100-level Math courses satisfy AS Math Requirement and OCC AS GE AREA A2