

# RESIDENTIAL CONSTRUCTION DEVELOPMENT THIRD AWARD, CERTIFICATE OF ACHIEVEMENT

**Banner Code:** 1\_CT\_RSTA

**Financial Aid Eligible**

Students may earn a third award of the certificate by completing eighteen (18) or more units from the following list, however, no course may be applied to more than one Residential Construction Development certificate.

## 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/certificates/#achievementtext>).

## Required Prerequisites

### Residential Construction Development First Award Certificate of Achievement (18 units)

Course	Title	Units
<b>Required Courses</b>		
CNST A165	Construction Safety/CAL OSHA <sup>1</sup>	3
CNST A195	Residential Code <sup>1</sup>	3
or CNST A194	Introduction to Building Codes	
<b>Restricted Electives</b>		
Select 12 units of the following: <sup>2</sup>		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	
CNST A199	Current Topics in Construction Technology	

Course	Title	Units
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	
<b>Total Units</b>		<b>18</b>

<sup>1</sup> Required for First Certificate.

<sup>2</sup> No course may be applied to more than one certificate.

### Residential Construction Development Second Award Certificate of Achievement (18 units)

Course	Title	Units
<b>Required Courses</b>		
Select 18 units of the following (no course may be applied to more than one certificate):		18
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 A154	Drywall &Taping	
CNST A170	Introduction to Construction	
CNST A180	Building Construction 1	
CNST A185	Building Construction 2	
CNST A190	Blueprint Reading and Drafting	
CNST A198	Energy Audit	
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	

Course	Title	Units
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	
<b>Total Units</b>		<b>18</b>

## Required Courses

Course	Title	Units
Select 18 units of the following (No course may be applied to more than one certificate):		18
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 A154	Drywall &Taping	
CNST A170	Introduction to Construction	
CNST A180	Building Construction 1	
CNST A185	Building Construction 2	
CNST A190	Blueprint Reading and Drafting	
CNST A198	Energy Audit	
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	
<b>Total Units</b>		<b>18</b>

Requirement	Units
Prerequisite Awards	36
Required Courses	18
<b>Total Units</b>	<b>54</b>

## Program Sequence

These sequences at Orange Coast College are curriculum maps for students to finish all requirements for the certificate. There may be advisories, prerequisites, or time requirements that students need to consider before following these maps. **Students are advised to meet with an Orange Coast College Counselor for alternate sequencing.**

Course	Title	Units
<b>Year 1</b>		
<b>Semester 1</b>		
CNST A165	Construction Safety/CAL OSHA <sup>1</sup>	3
CNST A195	Residential Code	3
FIRST AWARD CERTIFICATE RESTRICTED ELECTIVES (See Requirements)		6
<b>Units</b>		<b>12</b>
<b>Semester 2</b>		
FIRST AWARD CERTIFICATE RESTRICTED ELECTIVES (See Requirements)		6
<b>Units</b>		<b>6</b>
<b>Year 2</b>		
<b>Semester 1</b>		
SECOND AWARD CERTIFICATE RESTRICTED ELECTIVES (See Requirements)		9
<b>Units</b>		<b>9</b>
<b>Semester 2</b>		
SECOND AWARD CERTIFICATE RESTRICTED ELECTIVES (See Requirements)		9
<b>Units</b>		<b>9</b>
<b>Year 3</b>		
<b>Semester 1</b>		
THIRD AWARD CERTIFICATE RESTRICTED ELECTIVES (See Requirements)		9
<b>Units</b>		<b>9</b>
<b>Semester 2</b>		
THIRD AWARD CERTIFICATE RESTRICTED ELECTIVES (See Requirements)		9
<b>Units</b>		<b>9</b>
<b>Total Units</b>		<b>54</b>

<sup>1</sup> Meet with construction faculty to build a program to meet your goals.