

ARCHITECTURAL DESIGN 1, CERTIFICATE OF ACHIEVEMENT

Control Number: 22369

Financial Aid Eligible

This certificate may be completed with no required textbook costs. All required courses will have at least one section each semester that has either an online textbook provided to you free of charge or no required textbook. Most of the restricted electives are also textbook cost free. You may be required to purchase other course supplies for these classes. You may also choose to purchase a print copy of any of these texts if you wish.

Program Outcome

An entry-level professional position at an architectural or related design office.

Certificate of Achievement Requirements

The Certificate of Achievement is a state-approved career program that requires a minimum of eight units and is designed to prepare the graduate to enter a particular field of employment. In order to be awarded a certificate, students are required to obtain a grade of "C" or better in all program-required courses. Grades of "CR" or "P" will be accepted whereas "CR" or "P" meets the equivalency of a "C" or better. At least 3 units in an advanced course from the certificate must be completed at OCC at the department's discretion. Certificates of Achievement are not automatically awarded. A petition must be filed in Enrollment Services or online at the beginning of the semester in which the student will be completing their final requirements. The petitioning periods are listed in the Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/>) section of this catalog. Check with a counselor to determine the requirements for completion.

A list of certificate programs can be found in the Programs A-Z (<https://catalog.cccd.edu/orange-coast/programs-study/>) section of this catalog.

Course	Title	Units
Required Courses		
ARCH A105	Architectural Drawing and Design Visualization 1	2
ARCH A110	Introduction to Architecture	2
ARCH A115	Architectural Design and Theory 1	4
ARCH A155	BIM 1 for Architecture	2
ARCH A180	Architectural Construction Documents	4
ARCH A205	Architectural Drawing and Design Visualization 2	3
<i>Architectural Design Restricted Electives select 2 units</i>		2

No course may be applied to more than one Architectural Design award.

ARCH A101	Introduction to Environmental Sustainability
ARCH A104	Introduction to FrameCAD Steel Framing
ARCH A107	Tiny House Design
ARCH A121	FrameCAD Studio 1

Course	Title	Units
ARCH A122	FrameCAD Studio 2	
ARCH A150	CAD 2-D for Architecture ¹	
ARCH A156	BIM 2 for Architecture	
ARCH A160	3-D Modeling: SketchUp 1	
ARCH A162	3-D Modeling: Rhino 1	
ARCH A165	Presentation Graphics	
ARCH A167	Presentation Video ¹	
ARCH A170	Introduction to Design Fabrication	
ARCH A171	Design Fabrication 1	
ARCH A172	Design Fabrication 2	
ARCH A201	Design/Build 1 for Architecture	
ARCH A241	FrameCAD Workshop 1	
ARCH A242	FrameCAD Workshop 2	
ARCH A243	FrameCAD Workshop 3	
Total Units		19

¹ Elective courses not textbook cost free.

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
Year 1		
Semester 1		
ARCH A105	Architectural Drawing and Design Visualization 1	2
ARCH A110	Introduction to Architecture	2
ARCH A155	BIM 1 for Architecture	2
Units		6
Semester 2		
ARCH A115	Architectural Design and Theory 1	4
ARCH A180	Architectural Construction Documents	4
ARCH A205	Architectural Drawing and Design Visualization 2	3
CERT RESTRICTED ELECTIVE- CHOOSE TWO UNITS (See Requirements)		2
Units		13
Total Units		19