

# ARCHITECTURAL DESIGN 1, CERTIFICATE OF ACHIEVEMENT

Financial Aid Eligible

Banner Code: 1\_CN\_ARCD

Control Number: 22369

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

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

## Certificate Requirements

Orange Coast College offers two types of certificate awards in career programs designed to prepare the graduate to enter a particular field of employment. At least 3 units in an advanced course from the certificate must be completed at OCC.

1. **Certificate of Achievement** - 8 units or more in a state-approved program. 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 his or her final requirements. The petitioning periods are listed in the Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/>) section of this catalog.
2. **Certificate of Specialization** - 16 units or less in a locally approved program. Certificates of Specialization are not automatically awarded, not printed on official academic transcripts, and there is no acknowledgment of completion given at graduation. Please contact the division for details regarding the submission of petitions as procedures for each division vary. Most division offices prefer that students complete all of the required courses and then provide a copy of the transcript while some divisions allow petitions for Certificates of Specialization before finishing.

### Minimum Grade Requirement

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. 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. Check with a counselor to determine the requirements for completion.

Course	Title	Units
<b>Year 1</b>		
<b>Semester 1</b>		
ARCH A105	Architectural Drawing and Design Visualization 1	2
ARCH A110	Introduction to Architecture	2
ARCH A155	BIM 1 for Architecture	2
Units		6

Course	Title	Units
<b>Semester 2</b>		
ARCH A115	Architectural Design and Theory 1	4
ARCH A180	Architectural Construction Documents	4
ARCH A205	Architectural Drawing and Design Visualization 2	3
Architectural Design Restricted Elective(s) ARCH (see list)		2
Units		13
Total Units		19

## Architectural Design 1 Restricted Electives

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

Course	Title	Units
ARCH A101	Introduction to Environmental Sustainability	1
ARCH A104	Introduction to FrameCAD Steel Framing	1
ARCH A107	Tiny House Design	1
ARCH A121	FrameCAD Studio 1	2
ARCH A122	FrameCAD Studio 2	2
ARCH A150	CAD 2-D for Architecture <sup>1</sup>	2
ARCH A156	BIM 2 for Architecture	2
ARCH A160	3-D Modeling: SketchUp 1	2
ARCH A162	3-D Modeling: Rhino 1	2
ARCH A165	Presentation Graphics	2
ARCH A167	Presentation Video <sup>1</sup>	1
ARCH A170	Introduction to Design Fabrication	1
ARCH A171	Design Fabrication 1	2
ARCH A172	Design Fabrication 2	2
ARCH A201	Design/Build 1 for Architecture	2
ARCH A241	FrameCAD Workshop 1	2
ARCH A242	FrameCAD Workshop 2	2
ARCH A243	FrameCAD Workshop 3	2

<sup>1</sup> Elective courses not textbook cost free.