

ARCHITECTURAL DESIGN 1, CERTIFICATE OF ACHIEVEMENT

Banner Code: 1_CN_ARCD
Financial Aid Eligible

The Architectural Technology Program offers courses in design, building materials, construction documents, design visualization and graphics, computer-assisted design, building information modeling and fabrication. Our comprehensive program provides students with the discipline and critical thinking skills necessary to transfer to a broad range of universities and the training and technical skills to gain employment with the many and varied firms in Southern California that hire our graduates. Former California Architects Board President, Christine Lampert, AIA, rates our program as one of the top community college programs in the state. OCC's Architecture program has a long history of successful graduates and our current students continue to excel as indicated by winning design awards, high transfer rates, and becoming valued members of the professional community.

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

The 1st year Certificate of Achievement in Architectural Design 1 prepares students for an entry-level professional position at an architectural or related design office.

Review Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/certificates/#achievementtext>).

Course	Title	Units
Required Courses		
ARCH A105	Architectural Drawing and Design Visualization 1	2
ARCH A110	Introduction to Architecture	2
or ARCH A110H	Introduction to Architecture Honors	
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 2-3 units</i>		2-3

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

ARCH A101	Introduction to Environmental Sustainability
ARCH A102	Introduction to Environmental Studies
ARCH A104	Introduction to FrameCAD Steel Framing
ARCH A107	Tiny House Design

Course	Title	Units
ARCH A121	FrameCAD Studio 1	
ARCH A122	FrameCAD Studio 2	
ARCH A141	Introduction to Resource Management	
ARCH A150	CAD 2-D for Architecture ¹	
ARCH A142	Environmental Advocacy	
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 A170	Introduction to Design Fabrication	
ARCH A171	Design Fabrication 1	
ARCH A172	Design Fabrication 2	
ARCH A201	Design/Build 1 for Architecture	
or ARCH A201H	Design/Build 1 for Architecture Honors	
ARCH A210	Environmental Design Field Studies	
ARCH A241	FrameCAD Workshop 1	
ARCH A242	FrameCAD Workshop 2	
ARCH A243	FrameCAD Workshop 3	
Total Units		19-20

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 -THREE UNITS (See Requirements)		2-3
Units		13-14
Total Units		19-20