ARCHITECTURAL DESIGN 2, CERTIFICATE OF ACHIEVEMENT

Banner Code: 1_CT_ARDD
Control Number: 22370
Financial Aid Eligible

The 2nd year Certificate of Achievement in Architectural Design 2 prepares students in the areas of critical thinking, design, and visual communication for successful transfer to a university professional program in Architecture and/or related Environmental Design or for a junior/intermediate level drafting/design position at an architectural or related firm.

Program Outcomes

Program Learning Outcomes

1. Critical thinking, design, and visual communication for successful transfer to a university professional program in Architecture and/or related Environmental Design.
2. A junior/intermediate level drafting/design position at an architectural or related firm.

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

Required Prerequisites

Architectural Design 1 Certificate of Achievement (19-20 units)

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
Architectural Design Restricted Electives select 2-3 units		*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	
ARCH A121	FrameCAD Studio 1	
ARCH A122	FrameCAD Studio 2	
ARCH A141	Introduction to Resouse 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.

Architectural Design 2 Requirements

Course	Title	Units
Required Courses		
ARCH A185	Environmental Design Systems	4
ARCH A215	Architectural Drawing and Design Theory 2	4
ARCH A220	Building Materials and Systems	4
ARCH A230	Architectural Design and Theory 3	5
or ARCH A230H	Architectural Design and Theory 3 Honors	
Architectural Design Restricted Electives select 4 units [2]		*4*
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	
ARCH A121	FrameCAD Studio 1	
ARCH A122	FrameCAD Studio 2	
ARCH A141	Introduction to Resouse Management	
ARCH A142	Environmental Advocacy	
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 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 A202	Design/Build 2 for Architecture	
or ARCH A202H	Design/Build 2 for Architecture Honors	
ARCH A210	Environmental Design Field Studies	
ARCH A241	FrameCAD Workshop 1	

Course	Title	Units
ARCH A242	FrameCAD Workshop 2	
ARCH A243	FrameCAD Workshop 3	
Architectural Design 2 Award Units		*21*
Total Award units		**40-41**

[1] Elective courses not textbook cost free.
[2] Must be different than the elective chosen from Level 1

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.**

Year 1		
Semester 1		**Units**
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**
Year 2		
Semester 1		
ARCH A185	Environmental Design Systems	4
ARCH A215	Architectural Drawing and Design Theory 2	4
CERT RESTRICTED ELECTIVE - Select 2 units (See Requirements) [1]		2
	Units	**10**
Semester 2		
ARCH A220	Building Materials and Systems	4
ARCH A230	Architectural Design and Theory 3	5
CERT RESTRICTED ELECTIVE - Select 2 units (See Requirements) [1]		2
	Units	**11**
	Total Units	**40-41**

[1] Four Units of Restricted Electives Required. Must be different than the elective chosen from Level 1.