

ENTRY-LEVEL ACCOUNTING

This certificate, issued through the Business and Computing Division, provides students with basic accounting and computer accounting coursework. Completion of the certificate will enable students to apply for entry-level positions in accounting.

Students are required to obtain a grade of "C" or better in all required courses.

CERTIFICATE OF SPECIALIZATION

Program Outcomes

Certificate of Specialization in Entry-Level Accounting graduates will be prepared to:

1. Demonstrate knowledge of an accounting process by performing appropriate accounting functions manually or by utilizing G/L software.
2. Define and apply the different concepts of cost used to assist managers in making business decisions by performing profitability and cost analysis.

Required Courses

Course			Units
Financial Accounting	ACCT	A101	(4)
Managerial Accounting	ACCT	A102	(4)
Accounting Info Sys 1	ACCT	A110	(3)
Total:			(11)

FULL CHARGE BOOKKEEPER

This certificate, issued through the Business and Computing Division, integrates all aspects of the accounting cycle. Students will be able to apply accounting activities within the framework of industry software. Completion of this certificate enhances employment opportunities within the accounting field.

Students are required to obtain a grade of "C" or better in all required courses.

CERTIFICATE OF SPECIALIZATION

Program Outcomes

Certificate of Specialization in Full Charge Bookkeeper graduates will be prepared to:

1. Demonstrate knowledge of an accounting process by performing appropriate accounting functions using widely accepted accounting software.
2. Apply computer skills to retrieve and manage information and remain current with applicable standards and laws within a bookkeeping environment.

Required Courses

Course			Units
Accounting for Small Business (Or)	ACCT	A100	(3)
Financial Accounting	ACCT	A101	(4)
Accounting Info Sys 1	ACCT	A110	(3)
Accounting with QuickBooks	ACCT	A112	(2)
Mas 90/Mas 200	ACCT	A117	(2)
Payroll	ACCT	A119	(3)
Full Charge Bookkeeper	ACCT	A121	(1)
Total:			(14-15)

APPRENTICESHIP

The only apprenticeship program offered at Orange Coast College is the Cook Apprentice (see Culinary Arts).

ARCHITECTURAL TECHNOLOGY

Mission Statement

The OCC Architectural Technology Program endeavors to empower students to lead productive and creative professional lives in the context of Architecture and Environmental Design.

Program Description

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.

Program Outcomes

In support of our Mission, our program has two incremental goals and four specialization certificates:

1. 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.
2. 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.

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3. The Design/Build specialization certificate prepares students to design, develop, and construct small, sustainable projects.
4. The Digital Fabrication specialization certificate prepares students to design, develop, and construct three-dimensional environmental design installations and objects using digital fabrication tools.
5. The Integrated Project Design specialization certificate prepares students to design, develop, virtually construct and administrate multi-disciplinary projects using BIM technology.
6. The Sustainable Design specialization certificate prepares students to design, develop, analyze, and promote sustainable environmental design practices.

ARCHITECTURAL DESIGN 1

CERTIFICATE OF ACHIEVEMENT

Required Courses

Course			Units
FIRST SEMESTER			
Arch Dwg/Desgn Visual 1	ARCH	A105	(2)
Intro to Architecture	ARCH	A110	(2)
BIM 1 for Architecture	ARCH	A155	(2)
SECOND SEMESTER			
Arch Dwg/Desgn Theory 1	ARCH	A115	(4)
Arch Const Documents	ARCH	A180	(4)
Arch Dwg/Desgn Visual 2	ARCH	A205	(3)
Architectural Tech Elective(s)	ARCH		(2)
Total:			(19)

Selected Electives

Select two (2) units from the following list of courses:

Intro to Environmental Sustainability	ARCH	A101	(1)
CAD 2D for Architecture	ARCH	A150	(2)
BIM 2 for Architecture	ARCH	A156	(2)
3-D Modeling: Sketchup 1	ARCH	A160	(2)
3-D Modeling: Rhino or 3D Studio Max 1	ARCH	A162	(2)
Presentation Graphics for Architecture	ARCH	A165	(2)
Video for Architecture	ARCH	A167	(1)
Intro to Fabrication/Safety for Architecture	ARCH	A170	(1)
Fabrication 1 for Architecture	ARCH	A171	(2)
Fabrication 2 for Architecture	ARCH	A172	(2)
Design/Build for Architecture 1	ARCH	A201	(2)
Design/Build for Architecture 2	ARCH	A202	(4)

ASSOCIATE DEGREES

Complete the Certificate of Achievement and Associate in Science Graduation Requirements as outlined in the Graduation Requirements section of the catalog.

ARCHITECTURAL DESIGN 2

CERTIFICATE OF ACHIEVEMENT

Required prerequisite:

Architectural Drafting Certificate of Achievement

Required Courses

Course			Units
FALL			
Environmental Design Systems	ARCH	A185	(4)
Arch Dwg/Desgn Theory 2	ARCH	A215	(4)
Architectural Tech Elective(s)	ARCH		(2)
SPRING			
Building Materials & Systems	ARCH	A220	(4)
Arch Dwg/Desgn Theory 3	ARCH	A230	(5)
Architectural Tech Elective(s)	ARCH		(2)
Subtotal:			(21)
Total:			(40)

Select four (4) units from the following list of courses:

Intro to Environmental Sustainability	ARCH	A101	(1)
CAD 2D for Architecture	ARCH	A150	(2)
BIM 1 for Architecture	ARCH	A155	(2)
BIM 2 for Architecture	ARCH	A156	(2)
3-D Modeling: Sketchup 1	ARCH	A160	(2)
3-D Modeling: Rhino or 3D Studio Max 1	ARCH	A162	(2)
Presentation Graphics for Architecture	ARCH	A165	(2)
Video for Architecture	ARCH	A167	(1)
Intro to Fabrication/Safety for Architecture	ARCH	A170	(1)
Fabrication 1 for Architecture	ARCH	A171	(2)
Fabrication 2 for Architecture	ARCH	A172	(2)
Design/Build for Architecture 1	ARCH	A201	(2)
Design/Build for Architecture 2	ARCH	A202	(4)

Other suggested courses:

Land & Building Development	ARCH/CNST	A225	(3)
Building Codes & Standards	ARCH	A250	(2)
History of Architecture 1	ARCH	A290	(3)
History of Architecture 2	ARCH	A296	(3)
Freehand Drawing	ART	A120	(3)

ASSOCIATE DEGREES

Complete the Certificate of Achievement and Associate in Science Graduation Requirements as outlined in the Graduation Requirements section of the catalog.

DESIGN SPECIALIZATION

Specialization Certificates are designed to give Architectural Technology majors a focus within their major and to give non-major students and professionals the opportunity to gain skills in one of four areas within the context of Architecture & Environmental Design:



DIGITAL FABRICATION FOR ARCHITECTURE

CERTIFICATE OF SPECIALIZATION

Required Courses

Course			Units
Arch Dwg/Design Visual 1	ARCH	A105	(2)
Fabrication 1 for Architecture	ARCH	A171	(2)
3-D Modeling: Rhino	ARCH	A162	(2)
Fabrication 2 for Architecture	ARCH	A172	(2)
Design/Build for Architecture 1	ARCH	A201	(2)
Repeat the following course: Design/Build for Architecture 1	ARCH	A201	(2)
Total:			(12)

INTEGRATED PROJECT DESIGN

CERTIFICATE OF SPECIALIZATION

Required Courses

Course			Units
BIM 1 for Architecture	ARCH	A155	(2)
Arch Draft & Const Documents	ARCH	A180	(4)
BIM 2 for Architecture	ARCH	A156	(2)
BIM Structural/MEP	ARCH	A157	(2.5)
BIM Project Management	ARCH	A158	(2.5)
Design/Build for Architecture 2	ARCH	A202	(4)

Note: Arch A105 and Arch A155 are prerequisites for Arch A180.

Total: **(17)**

DESIGN/BUILD

CERTIFICATE OF SPECIALIZATION

Required Courses

Course			Units
Arch Dwg/Design Visual 1	ARCH	A105	(2)
BIM 1 for Architecture	ARCH	A155	(2)
Arch Const Documents	ARCH	A180	(4)
Design/Build for Architecture 2	ARCH	A202	(4)
Select one of the following courses:			
Furniture Making/Design	CONST	A116	(3)
Building Construction	CONST	A185/L	(5)

Total: **(15-17)**

CERTIFICATE OF SPECIALIZATION

Required Courses

Course			Units
Intro to Environmental Sustainability	ARCH	A101	(1)
Arch Const Documents	ARCH	A180	(4)
Environmental Design Systems	ARCH	A185	(4)
Building Materials & Systems	ARCH	A220	(4)
Select one of the following courses:			
Horticulture Science	OH	A100	(3)
Human Ecology	ECOL	A100	(3)

Note: Arch A105 and Arch A155 are prerequisites for Arch A180.

Total: **(16)**