

Architecture

Certificates

The **Architectural Technology certificate** prepares students for entry level positions as drafters in architectural or construction firms.

Field of Study Code: ARCH.CER.ARCH

Total Credits Required 31 to 32

Arch	1101	Basic Architectural Drafting.....	3
Arch	1111	Building Materials.....	4
Arch	1211	Basic Computer-Aided Drafting – AutoCAD.....	3
Arch	1411	Introduction to BIM – Revit.....	3
Arch	1412	Advanced BIM – Revit.....	3
OR			
Arch	2220	Architectural Computer Modeling.....	2
Arch	2102	Detailing and Construction Documents.....	4
Arch	2210	Mechanical, Electrical, and Plumbing Systems .	3
Arch	2230	Structural Systems.....	3
Arch	2240	Codes, Specifications and Contracts.....	3
Arch	2260	Construction Estimating.....	3

The **Pre-Architecture certificate** provides students with the group of classes commonly required for transfer to an architectural program. This certificate requires a minimum of 34 credits in program requirements, program electives and general education in the courses listed below.

Field of Study Code: ARCH.CER.PRE

Total Credits Required 35

Program Requirements..... 19

Arch	1100	Introduction to Architecture.....	3
Arch	1121	Architectural Design Communication.....	4
Arch	1131	Introduction to Architectural Design.....	4
Arch	2201	Architectural Design I.....	5
Arch	2250	Architectural Presentation and Portfolio.....	3

Program Electives 6

Select two of the following courses based on transfer institution requirements. Requires approval by architecture advisor.

Arch	1211	Basic Computer-Aided Drafting — AutoCAD.....	3
Arch	1411	Introduction to BIM – Revit.....	3
Arch	2202	Architectural Design II.....	5
Arch	2203	Introduction to Architectural Theory.....	3
Arch	2220	Architectural Computer Modeling.....	2

General Education 10

10 credits minimum based on transfer institution requirements. Requires approval by architecture advisor.

The **Architectural Rendering certificate** gives students specific skills for preparing professional architectural presentations in a variety of media. Students should have a background in architecture or art. This certificate is not appropriate as an independent credential but should be used to enhance a primary degree in architecture or illustration.

Field of Study Code: ARCH.CER.REND

Total Credits Required 15

Arch	1121	Architectural Design Communication.....	4
Arch	1211	Basic Computer-Aided Drafting - AutoCAD....	3
Arch	1411	Introduction to BIM – Revit.....	3
Arch	2220	Architectural Computer Modeling.....	2
Photo	1101	Foundations of Digital Photography.....	3

The **Construction Management certificate** includes a range of technical architecture classes with basic business topics to give students a first level credential in the construction management field. The certificate prepares students for entry-level positions in construction firms and can serve as the first step to completing the AAS degree in Construction Management. It is especially suited to students who have construction experience or already have a degree in another field. This certificate requires 32 credits in the courses listed below.

Field of Study Code: ARCH.CER.CONST

Total Credits Required 32

Arch	1111	Building Materials.....	4
Arch	1130	Blueprint Reading.....	2
Arch	1141	Construction Methods I.....	2
Arch	1301	Introduction to Construction Management...	3
Arch	2142	Construction Methods II.....	2
Arch	2150	Basic Surveying.....	2
Arch	2240	Codes, Specifications and Contracts.....	3
Arch	2260	Construction Estimating.....	3
Arch	2270	Construction Scheduling.....	3
Arch	2413	BIM Management-Revit.....	3
Manag	1100	Supervision.....	3
Manuf	2280	Industrial Safety.....	2

Contact Information:

If you are considering this program as an area of study, please contact the **Arts, Communication, and Hospitality Division** office at 630-942-2048.

Program web site:

<http://www.cod.edu/academics/programs/architecture/>