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
Manag1100 Supervision ............................................................ 3
Manuf2280 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/