

# Architecture

## Construction Management Degree

**Degree:** Associate in Applied Science

**Total Required Credits for Degree:** minimum of 67

*Program Requirements:* 49 to 51

*Program Electives:* 12

*General Education Credits:* 6\*

**Code:** 3924

### About the Program

The Construction Management degree combines a variety of architecture and business classes to prepare students for entry-level positions in construction management and construction firms.

Program web site: [www.cod.edu/architecture](http://www.cod.edu/architecture)

### Key First Semester Courses

The following is for full-time students starting during fall semester. If you are working 20 or more hours per week, it is recommended that you take fewer hours. Contact the architectural adviser for course selections if you will be part-time or starting in spring or summer.

|            |  |   |
|------------|--|---|
| Arch 1130  | Blueprint Reading .....                            | 2 |
| Arch 1301  | Introduction to Construction Management .....      | 3 |
| Arch 1141  | Construction Methods I .....                       | 2 |
| Arch 2150  | Basic Surveying.....                               | 2 |
| CIS 1150   | Introduction to Computer Information Systems ..... | 3 |
| Engli 1101 | English Composition I .....                        | 3 |

### Program Requirements

|            |   |   |
|------------|---|---|
| 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 |
| Accou 1140 | Financial Accounting .....                    | 4 |
| Manag 1100 | Supervision.....                              | 3 |
| Manuf 2280 | Industrial Safety.....                        | 2 |
| Engli 1101 | English Composition I .....                   | 3 |
| Physi 1100 | Physics.....                                  | 4 |
| OR         |   |   |
| Physi 1161 | Technical Physics I .....                     | 4 |
| Math 1115  | Technical Mathematics I.....                  | 3 |
| OR         |   |   |
| Math 1431  | Precalculus I .....                           | 5 |
| OR         |   |   |
| Math 1533  | Finite Mathematics I .....                    | 4 |

|                   |  |                 |
|-------------------|--|-----------------|
| Philo 1114        | Business Ethics .....                              | 3               |
| CIS 1150          | Introduction to Computer Information Systems ..... | 3               |
| <b>Total.....</b> |  | <b>49 to 51</b> |

### Program Electives

Select at least 11 to 12 hours in any of the following:

|            |   |   |
|------------|---|---|
| Arch 1100  | Introduction to Architecture .....                | 3 |
| Arch 1101  | Basic Architectural Drafting .....                | 2 |
| Arch 1211  | Basic Computer-Aided Drafting — AutoCAD .....     | 3 |
| Arch 1212  | Advanced Computer Aided Drafting — AutoCAD .....  | 3 |
| Arch 2102  | Detailing and Construction Documents .....        | 5 |
| Arch 2210  | Mechanical, Electrical and Plumbing Systems ..... | 3 |
| Arch 2230  | Structural Systems.....                           | 3 |
| Engli 1102 | English Composition II .....                      | 3 |
| Engli 1105 | Introduction to Technical Writing .....           | 3 |
| Manuf 1160 | Technical Static and Strength of Material.....    | 4 |
| Math 1635  | Statistics.....                                   | 4 |

### \*General Education Requirements

Each candidate for an Associate in Applied Science (A.A.S.) degree shall satisfactorily complete a minimum of 18 credits in General Education. For the Construction Management degree, many General Education courses are already listed under program requirements. Therefore, students only need 6 General Education credits besides those listed under program requirements.

Use the *Student Planning Worksheet* or consult a list of General Education categories and courses for the A.A.S. degree to decide what needs to be taken. Links can be found on the Architecture online program guide (go to [www.cod.edu/academic](http://www.cod.edu/academic) and select “Architecture” from the drop-down menu.)

Under the specified General Education headings below, the following courses are required or recommended for the Construction Management degree:

**Communications:** 6 credits required

*Required course:* English 1101 (already listed under Program Requirements)

**Physical/Life Sciences:** 3 to 5 credits required

Select at least one course with a lab component.

*Required course:* Physics 1100 or 1161 (already listed under Program Requirements)

**Mathematics:** 3 to 5 credits required

*Required course:* Math 1115 or 1431 or 1533 (already listed under Program Requirements)

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## Construction Management Degree

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**Humanities and Fine Arts:** 3 credits required

*Required course:* Philosophy 1114 (already listed under Program Requirements)

**Social and Behavioral Sciences:** 3 credits required

*Recommended course:* See the *Student Planning Worksheet*.

### **Additional A.A.S. Degree Requirements**

A minimum of 2 credits must be completed from the list of courses in the Global/Multicultural Studies or Contemporary Life Skills category.

*Required course:* CIS 1150 (already listed under Program Requirements)

### **Advisers**

If you are considering this program as an area of study, consult with an adviser in this field:

|   | <b>Location</b> | <b>Phone</b>   |
|---|-----------------|----------------|
| Jane Ostergaard,<br>coordinator<br>E-mail: osterg@cod.edu | TEC 1048        | (630) 942-2331 |
| Ted Kulinski<br>E-mail: kulinsk@cod.edu                   | TEC 1049        | (630) 942-4124 |
| Mark Pearson<br>E-mail: pearson@cod.edu                   | TEC 1050        | (630) 942-2763 |