

SCIENCE, CONSTRUCTION MANAGEMENT OPTION, AS

Associate of Science, Construction Management Option, (202006ZAS)

The Associate of Science (Construction Management option) is an online degree offered through collaboration between the Department of Civil Engineering in the College of Engineering and Polymer Science and the Buchtel College of Arts and Sciences. The Associate of Science degree teaches students to think critically and creatively about their perceptions of ideas, events and people. The Construction Management option curriculum prepares students for careers in the construction industry as field supervisors, foremen, project management assistants, field technicians, quality control inspectors and other related first-line supervisory positions.

Requirements for Admission

Students who need developmental (non-college-credit-bearing) courses to prepare for their academic work at UA are placed in a pre-admission status for this program. They can take coursework towards the degree while in a pre-admission status when they meet course prerequisites, and they are fully admitted to the program when their developmental courses are successfully completed.

The following information has official approval of **The Buchtel College of Arts & Sciences**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Progress Report (DPR) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Transfer students should consult their Advisor to identify courses that are equivalent.

Requirements Summary

| Code | Title | Hours |
|--------------------|--|-----------|
| | General Education Requirements (https://bulletin.uakron.edu/undergraduate/general-education/) | 38 |
| | Construction Management Core | 22 |
| Total Hours | | 60 |

General Education

The Associate of Science requires a minimum of 36 credits of general education coursework. When a specific course is shown here, it is a program-specific requirement for the Construction Management option.

| Code | Title | Hours |
|---------------------|---|-------|
| MATH:152 & MATH:153 | Technical Mathematics II and Technical Mathematics III ¹ | 4 |
| MATH:154 | Technical Algebra and Trigonometry 2 ² | 3 |

| | | |
|----------|--|---|
| COMM:105 | Introduction to Public Speaking | 3 |
| ENGL:111 | English Composition I ³ | 3 |
| ENGL:222 | Technical Report Writing ³ | 3 |
| GEOL:135 | Geology of Energy Resources ⁴ | 1 |
| | Arts and Humanities Requirement | 9 |
| | Natural Science (including one lab) Requirement ⁴ | 6 |
| | Social Science Requirement | 6 |

Total Hours 38

Construction Management Core

| Code | Title | Hours |
|----------|--|-------|
| COET:129 | Professional Topics in Construction | 3 |
| COET:131 | Building Construction | 2 |
| COET:150 | Plan Reading | 2 |
| COET:226 | Construction Supervision | 3 |
| COET:235 | Construction Inspection | 3 |
| COET:239 | Construction Geomechanics | 3 |
| COET:245 | Construction Estimating | 3 |
| COET:371 | Green & Sustainable Building Practices | 3 |

Total Hours 22

¹ Meets General Education Mathematics, Statistics, and Logic Requirement. If a student places higher in math, the mathematics course they are placed in can substitute. If the requirement is met with a three-credit mathematics class, the student will need an additional one credit to meet the minimum credits for the degree.

MATH:145 Algebra for Calculus is an acceptable replacement for the combination of MATH:152 Technical Mathematics II and MATH:153 Technical Mathematics III.

² While not needed to meet the Mathematics, Statistics, and Logic Requirement, MATH:154 Technical Algebra and Trigonometry 2 is required by this program, and brings the number of credits of general education above the minimum of 36 credits required. If a student places higher in mathematics, a different general education class may be substituted.

MATH:149 Precalculus Mathematics is an acceptable substitute for MATH:154 Technical Algebra and Trigonometry 2.

³ Together, ENGL:111 English Composition I and ENGL:222 Technical Report Writing meet the General Education Writing Requirement for the Associate of Science degree program.

⁴ The General Education Natural Science Requirement requires seven credit hours and must include a lab. GEOL:135 Geology of Energy Resources counts towards the Natural Science Requirement. At least one remaining course must be a Natural Science w/LAB course.

Recommended Sequence

1st Year

| Fall Semester | Hours | |
|---------------------|--|---|
| MATH:152 & MATH:153 | Technical Mathematics II and Technical Mathematics III | 4 |
| COET:129 | Professional Topics in Construction | 3 |
| COET:131 | Building Construction | 2 |
| ENGL:111 | English Composition I | 3 |
| GEOL:135 | Geology of Energy Resources ² | 1 |

| | | |
|------------------------|---|-----------|
| | Social Science Requirement ^{1,3} | 3 |
| | Hours | 16 |
| Spring Semester | | |
| MATH:154 | Technical Algebra and Trigonometry 2 | 3 |
| COET:150 | Plan Reading | 2 |
| COET:235 | Construction Inspection | 3 |
| ENGL:222 | Technical Report Writing | 3 |
| | Natural Science Requirement ^{1,2} | 3 |
| | Hours | 14 |
| 2nd Year | | |
| Fall Semester | | |
| COET:226 | Construction Supervision | 3 |
| COET:371 | Green & Sustainable Building Practices | 3 |
| | Natural Science Requirement with Lab ^{1,2} | 3 |
| | Humanities Requirement ^{1,3} | 3 |
| | Social Science Requirement ^{1,3} | 3 |
| | Hours | 15 |
| Spring Semester | | |
| COET:239 | Construction Geomechanics | 3 |
| COET:245 | Construction Estimating | 3 |
| COMM:105 | Introduction to Public Speaking | 3 |
| | Arts or Humanities Requirement ^{1,3} | 3 |
| | Arts Requirement ^{1,3} | 3 |
| | Hours | 15 |
| | Total Hours | 60 |

¹ It is recommended that any General Education courses be part of the Ohio Transfer 36. See the Bulletin for a full list of OT36 courses.

² A total of seven hours of natural science are required, and must include a lab. A majors-track course in the natural sciences can substitute for a General Education Natural Science course.

³ It is recommended that students take an Art, Humanities or Social Science course that also fulfills the Global Diversity or Domestic Diversity requirement.

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your *required* General Education English, Mathematics, Statistics, and Logic and Speaking requirements.