CONSTRUCTION MANAGEMENT

Bachelor of Science in Construction Management is a four-year program for students interested in careers in construction management, techniques, operations and related areas in the construction industry. The degree draws upon skills in communication and interpersonal relations.

About this Program

- **College:** Design, Construction and Planning (http://catalog.ufl.edu/UGRD/courses-schools/UGDCP)
- **School:** M.E. Rinker, Sr. School of Construction Management (http://catalog.ufl.edu/UGRD/courses-schools/UGCMN)
- **Degree:** Bachelor of Science in Construction Management
- **Credits for Degree:** 125
- **Contact:** 352.273.1180 | 304 Rinker Hall (http://campusmap.ufl.edu/?loc=0272)
- **Additional Information**
- **Related Construction Management Programs**

To graduate with this major, students must complete all university, college, and major requirements.

Opportunities for advancement and increasing responsibility exist in all areas of the construction industry, including land development; home building; public building; industrialized building systems; commercial, industrial, marine and heavy construction; underwater development; space-age facilities; materials and equipment sales and installations; and construction product research, development, sales and applications.

Related Construction Management Programs

- Combined Degree (http://catalog.ufl.edu/UGRD/academic-programs/combined-degrees)
- Construction Management certificate (http://catalog.ufl.edu/UGRD/courses-schools/UGCMN/CMN_UCT04)

Critical Tracking

Critical Tracking records each student’s progress in courses that are required for entry to each major. Please note the critical-tracking requirements below on a per-semester basis.

Equivalent critical-tracking courses as determined by the State of Florida Common Course Prerequisites (http://www.flvc.org/cpp/displayRecord.jsp?cip=151001&track=01) may be used for transfer students.

Semester 1

- Complete 3 of 14 critical-tracking courses for a total of 9 credits:
  - ACG 2021, BCN 1210, BCN 1251C (or ARC 1301 and ARC 1302), BCN 2405C, BUL 4310, ECO 2013, ENC 1102, ENC 3254, MAC 2311, STA 2023, PHY 2053/PHY 2053L, PHY 2054/PHY 2054L, SPC 2608, SPN 1180
- 2.35 UF GPA required

Semester 2

- Complete 13 additional credits of critical-tracking courses
- 2.4 UF GPA required

Semester 3

- Complete 11 additional credits of critical-tracking courses
- 2.45 UF GPA required

Semester 4

- Complete 15 additional credits of critical-tracking courses
- 2.5 GPA on all attempts of critical-tracking courses
- 2.5 UF GPA required

Model Semester Plan

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student’s academic record and scheduling availability of courses. Prerequisites still apply.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BCN 1210</td>
<td>Construction Materials (Critical Tracking)</td>
<td>3</td>
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<tr>
<td>BCN 1582</td>
<td>International Sustainable Development (Gen Ed Social and Behavioral Sciences and International)</td>
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<tr>
<td>DCP 1003 or BCN 1001</td>
<td>Creating our Built Environment or Introduction to Construction Management</td>
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<tr>
<td>ENC 1101</td>
<td>Expository and Argumentative Writing (State Core Gen Ed Composition (<a href="http://catalog.ufl.edu/UGRD/academic-programs/general-education/#genedcoursestext">http://catalog.ufl.edu/UGRD/academic-programs/general-education/#genedcoursestext</a>) 1,2)</td>
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<td>Physics 1 and Laboratory for Physics 1 (Critical Tracking; State Core Gen Ed Physical Sciences)</td>
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<td>STA 2023</td>
<td>Introduction to Statistics 1 (Critical Tracking; Gen Ed Mathematics)</td>
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Semester Two

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<td>Principles of Macroeconomics (Critical Tracking; State Core Gen Ed Social and Behavioral Sciences)</td>
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<tr>
<td>ENC 1102</td>
<td>Argument and Persuasion (Critical Tracking; Gen Ed Composition)</td>
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<td>IDS 1161</td>
<td>What is the Good Life (Gen Ed Humanities)</td>
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<td>Elementary Spanish: Review and Progress (Critical Tracking)</td>
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Semester Three

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<td>BCN 1251C</td>
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<tr>
<td>BCN 2405C</td>
<td>Construction Mechanics (Critical Tracking)</td>
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</table>
MAC 2311 Analytic Geometry and Calculus 1 (Critical Tracking; State Core Gen Ed Mathematics) 4
State Core Gen Ed Humanities with Diversity (http://catalog.ufl.edu/UGRD/academic-programs/general-education/#genedcoursesext) 3

Semester Four
ACG 2021 Introduction to Financial Accounting (Critical Tracking) 4
BUL 4310 The Legal Environment of Business (Critical Tracking) 4
ENC 3254 Professional Writing in the Discipline (Critical Tracking; Gen Ed Composition) 2 3
SPC 2608 Introduction to Public Speaking (Critical Tracking) 3

Credits 14

Semester Five
BCN 3027C Principles of Construction Management 3
BCN 3224C Construction Techniques 3
BCN 3255C Graphic Communication in Construction 3
BCN 3431C Structures 3
BCN 3730 Construction, Safety, Health and the Environment 3

Credits 15

Semester Six
BCN 3223C Soils and Concrete 3
BCN 3521C Electrical Systems 3
BCN 3611C Construction Estimating 1 3
BCN 3700 Construction Contracts 3
MAN 3025 Principles of Management (Gen Ed Social and Behavioral Sciences) 4
BCN elective 2

Credits 17

Semester Seven
BCN 4423C Temporary Structures 3
BCN 4510C Mechanical Systems 4
BCN 4612C Construction Estimating 2 3
BCN 4720 Construction Planning and Control 3
Graduate-level elective 3

Credits 16

Semester Eight
BCN 3281C Construction Methods Laboratory (Surveying) 2
BCN 4753 Construction Finance 3
BCN 5705C Proj Manage Construc 3
BCN 5789C Constru Project Del 3
Graduate-level elective 2

Credits 13
Total Credits 29

Summary
Fifth Year Additional Credits for M.S.C.M 18
Total Credits for M.S.C.M. 143
Fifth Year Additional Credits for M.C.M. 24
Total Credits for M.C.M. 149

Academic Learning Compact
The Bachelor of Science in Construction Management prepares students for a career in the construction industry.

Before Graduating Students Must
- Pass the performance based capstone course utilizing Construction Project Simulation.
- Successfully utilize and interpret the Florida Building Code in classroom tests and reports.
- Satisfy formal presentation requirements; attend field trips and submit reports for them that demonstrate proficiency in writing professional memos and letters.
- Complete requirements for the baccalaureate degree, as determined by faculty.

Residential Option
Building construction students may graduate with a residential option if they choose the option by registration for semester 6.

Required electives:

1. If you place out of ENC 1101, take ENC 1102.
2. Minimum grade of C- required.
Students in the Major Will Learn to
Student Learning Outcomes (SLOs)

Content
1. Interpret knowledge of engineering, materials, methods, equipment and processes to safely construct buildings and structures.
2. Survey and quantify building components to estimate project costs, analyze progress and control expenditures.

Critical Thinking
3. Create an effective planning, scheduling and control system by identifying, evaluating and organizing the diverse elements of a construction project.
4. Set up and manage project administration and management systems to efficiently document and monitor the construction process.

Communication
5. Describe technical and financial data effectively in speech and in writing to all stakeholders in the construction process.

Curriculum Map
I = Introduced; R = Reinforced; A = Assessed

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Assessment Types
- Exams
- Writing assignments
- Presentations
- The American Institute of Constructors (AIC) Level 1: Associate Constructor’s exam, the first step toward AIC Professional Constructor Certification