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
- **School**: M.E. Rinker, Sr. School of Construction Management
- **Degree**: Bachelor of Science in Construction Management
- **Credits for Degree**: 125
- **Additional Information**
- **Contact**: 352.273.1180 | 304 Rinker Hall
- **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
- Construction Management certificate

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 may be used for transfer students.

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

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BCN 1001</td>
<td>Introduction to Construction Management</td>
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<td>BCN 1210</td>
<td>Construction Materials</td>
<td>3</td>
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<tr>
<td>BCN 1582</td>
<td>International Sustainable Development</td>
<td>3</td>
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<tr>
<td>ENC 1101</td>
<td>Expository and Argumentative Writing</td>
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<td>STA 2023</td>
<td>Introduction to Statistics</td>
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Semester Three
- Complete 11 additional credits of critical-tracking courses
- 2.45 UF GPA required

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<tr>
<td>BCN 1251C</td>
<td>Construction Drawing</td>
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<td>BCN 2405C</td>
<td>Construction Mechanics</td>
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<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus 1</td>
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<tr>
<td>State Core Gen Ed Humanities with Diversity</td>
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Semester Four
- Complete 15 additional credits of critical-tracking courses
- 2.5 UF GPA required

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<tr>
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<tr>
<td>ACG 2021</td>
<td>Introduction to Financial Accounting</td>
<td>4</td>
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<tr>
<td>BUL 4310</td>
<td>The Legal Environment of Business</td>
<td>4</td>
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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.

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<td>Introduction to Statistics</td>
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<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
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<tr>
<td>ENC 1102</td>
<td>Argument and Persuasion</td>
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<td>IUUF 1000</td>
<td>What is the Good Life</td>
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<td>PHY 2054</td>
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<tr>
<td>SPN 1180</td>
<td>Elementary Spanish: Review and Progress</td>
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Credits

Credits

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Credits
ENC 3254 Professional Writing in the Discipline (Critical Tracking; Gen Ed Composition) 2  3
SPC 2608 Introduction to Public Speaking (Critical Tracking)  3

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 14

Semester Six
BCN 3223C Soils and Concrete  3
BCN 3521C Electrical Systems  2
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 15

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 17

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
Code Title Credits
Course 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

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.
• Take the American Institute of Constructors (AIC) Associate Constructor Examination in the final senior semester.
• Complete requirements for the baccalaureate degree, as determined by faculty.

Students in the Major Will Learn to
Student Learning Outcomes (SLOs)
Content
1. Interpret knowledge of engineering, materials, 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.

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

Required electives:
Code Title Credits
Select one:
REE 4303 Real Estate Investment Decision Making  3
BCN 4237 Roofing Systems  3
BCN 4787C Construction Capstone Project (a residential project)  3

Combined BS/MSCM and BS/MCM Degree Programs
The combined-degree programs require the same freshman, sophomore and junior course requirements as the B.S.C.M. program. The senior-year courses vary, as follows:

1 If you place out of ENC 1101, take ENC 1102.
2 Minimum grade of C- required.
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

<table>
<thead>
<tr>
<th>Courses</th>
<th>SLO 1</th>
<th>SLO 2</th>
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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