Construction Management Engineering Technology

What is Construction Management?

A Construction Manager implements significant facets of construction on a timely and economical basis with proficiency and integrity.

While the industry will always require many architects, engineers, and managers, it is increasingly clear that the most effective education for industry leaders at all levels of managerial responsibility is a meaningful synthesis of the disciplines of construction techniques, engineering, architectural design, and management at the undergraduate level. Graduates of accredited Construction Management programs, after appropriate experience, will be known as Construction Managers.

Our Program:

The Construction Management Technology program is designed to respond to the need for skilled professionals possessing the level of sophistication necessary to accommodate state-of-the-art technology which has impacted the construction industry. It will incorporate extensive use of the computer in the technical specialty together with upper level mathematics, science, and communications.

Suggested Sequence of Study

(Effective Freshman class 2018)

Curriculum Breakdown by Semester

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON 103 Surveying</td>
<td>3</td>
</tr>
<tr>
<td>ARC 131 Intro. To Graphics (Graphics I &amp; II)</td>
<td>4</td>
</tr>
<tr>
<td>CON 161 Materials &amp; Methods of Construction I</td>
<td>3</td>
</tr>
<tr>
<td>MTH 129 Pre-Calculus with Applications</td>
<td>4</td>
</tr>
<tr>
<td>EGL 101 Composition: Rhetoric</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>17 Credits</strong></td>
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<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CON 162 Materials &amp; Methods of Construction II</td>
<td>3</td>
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<tr>
<td>xxx xxx Liberal Arts Elective (See DegreeWorks)</td>
<td>3</td>
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<tr>
<td>MTH 130 Calculus with Applications</td>
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<tr>
<td>EGL 102 Composition: Literature</td>
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<tr>
<td>PHY 135 College Physics I</td>
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<tr>
<th>Third Semester</th>
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<tbody>
<tr>
<td>CON 106 Statics</td>
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<tr>
<td>ARC 263 Mech., Elect., Plumbing &amp; Energy Systems in Buildings</td>
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</tr>
<tr>
<td>BUS 109 Management Theories and Practices</td>
<td>3</td>
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<tr>
<td>ECO 157 Micro Economics</td>
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<tr>
<td>PHY 136 College Physics II</td>
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<th>Fourth Semester</th>
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<tbody>
<tr>
<td>CON 207 Elements of Strength of Materials</td>
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<tr>
<td>ARC 310 Construction Design</td>
<td>4</td>
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<tr>
<td>xxx xxx Art Elective (See Gen Ed list)</td>
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<tr>
<td>HIS xxx History Elective (See Gen Ed list)</td>
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<tr>
<td>MTH 236 Calculus II with Applications</td>
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<th>Fifth Semester</th>
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<tbody>
<tr>
<td>CON 350 Intro. to Construction Engineering</td>
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<tr>
<td>CON 357 Quantity Surveying &amp; Costing</td>
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<tr>
<td>ECO 156 Macro Economics</td>
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<tr>
<td>xxx xxx Foreign Language Elective (See Gen Ed list)</td>
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<tr>
<td>MTH xxx Math Elective (See Dept. List)</td>
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<tr>
<td>CON 302 Soils, Foundations &amp; Earth Structures</td>
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<tr>
<td>CON 303 Hydraulics</td>
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<tr>
<td>CON 355 Const. Mgmt Finance &amp; Acc’t Princ.</td>
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<tr>
<td>xxx xxx Humanities Elective (see Gen Ed list)</td>
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<tr>
<td>EGL 310 Technical Writing</td>
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<tr>
<td>CON 401W Construction Project Mgmt. &amp; Scheduling</td>
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<td>CON 402 Civil Engineering Materials</td>
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<td>ARC 364 Site Design &amp; Construction</td>
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<td>ECO 321 Engineering Economics</td>
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<tr>
<td>CON 409 Structural Design</td>
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<td>xxx xxx Technical Elective</td>
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<td>CON 406 Advanced Proj. Plan. &amp; Scheduling</td>
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<td>MTH 390 Prob. Method In Operation Research</td>
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<td>CON 496 Capstone Project</td>
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September 2018 REV