## Construction Management

- Bachelor of Science (B.S.)
- Program Curriculum

### Mathematics/Science coursework 15 cr.
- CHEM 1020 - Chemical Technology 4 cr.
  - course also satisfies UNIFI Scientific Reasoning requirement.
- MATH 1150 - Calculus for Technology 4 cr.
- PHYSICS 1511 - General Physics I 4 cr.
  - course also satisfies UNIFI Scientific Reasoning requirement.
- STAT 1772 - Introduction to Statistical Methods 3 cr.
  - course also satisfies UNIFI Quantitative Reasoning requirement.

### Construction Management 48 cr.
- TECH CM 1000 - Introduction to Construction Processes 3 cr.
- TECH CM 1050 - Construction Safety 3 cr.
- TECH CM 1100 - Construction Documents 3 cr.
- TECH CM 2000 - Land, Route & Construction Surveying 3 cr.
- TECH CM 2050 - Construction Law 3 cr.
- TECH CM 2080 - Statics & Strengths of Materials 3 cr.
- TECH CM 2100 - Mechanical Systems in Construction 3 cr.
- TECH CM 3000 - Civil Construction 3 cr.
- TECH CM 3050 - Construction Estimating 3 cr.
- TECH CM 3150 - Constr. Project Planning & Scheduling 3 cr.
- TECH CM 3250 - Computerized Project Management 3 cr.
- TECH CM 4050 - Construction Management 3 cr.
- TECH CM 4200 - Structural Components of Construction 3 cr.
- TECH CM 4300 - Construction Technology & Innovation 3 cr.
- TECH CM 4400 - Constr. Management Senior Project 3 cr.

### Management coursework 12 cr.
- ACCT 2120 - Principles of Financial Accounting 3 cr.
- ECON 1031 - Introduction to Business Economics 3 cr.
  - course also satisfies UNIFI Quantitative Reasoning requirement.
- ENGLISH 3772 - Tech. Writing for Eng. Technologists 3 cr.
- MGMT 3100 - Legal & Social Environment of Business 3 cr.

### UNI Foundational Inquiry 37 cr.
- Written Communications 3 cr.
- Oral Communications 3 cr.
- Quantitative Reasoning 3 cr.
  - requirement completed with ECON 1031 or STAT 1772.
- Human Condition (Domestic) 3 cr.
- Human Condition (Global) 3 cr.
- Scientific Reasoning 4 cr.
  - requirement completed with CHEM 1020 or PHYSICS 1511.
- Human Expression 3 cr.
- Responsibility 3 cr.
- UNIFI Elective 3 cr.
  - requirement completed with ECON 1031 or STAT 1772.
- UNIFI Elective 3 cr.
  - requirement completed with CHEM 1020 or PHYSICS 1511.
- UNIFI Elective 3 cr.
- UNIFI Elective 3 cr.
- UNIFI Elective 3 cr.
- UNIFI Elective 3 cr.

### Credit Totals

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math/Science coursework</td>
<td>15</td>
</tr>
<tr>
<td>Constr. Management coursework</td>
<td>48</td>
</tr>
<tr>
<td>Management coursework</td>
<td>12</td>
</tr>
<tr>
<td>UNI Foundational Inquiry (UNIFI)</td>
<td>37</td>
</tr>
<tr>
<td>Total</td>
<td>99</td>
</tr>
<tr>
<td>University Electives needed</td>
<td>27</td>
</tr>
<tr>
<td>Grand Total</td>
<td>126</td>
</tr>
</tbody>
</table>

### Utilizing University Electives

Students enrolled in the Construction Management B.S. program at UNI have 27 open university elective credits to complete prior to graduation. Selecting one of the minors below will effectively utilize these credits:

#### General Business Concepts Minor 24 cr.
- ACCT 2120 - Principles of Financial Accounting 3 cr.
- ECON 1011 - Statistics for Business Analytics 3 cr.
- ECON 1031 - Introduction to Business Economics 3 cr.
- MKTG 2110 - Principles of Marketing 3 cr.
- MGMT 2080 - Intro to Information Systems 3 cr.
- MGMT 3100 - Legal & Social Environment of Business 3 cr.
- MGMT 3153 - Organizational Management 3 cr.
- STAT 1772 - Intro to Statistical Methods 3 cr.

#### Real Estate Minor 15 cr.
- MKTG 2110 - Principles of Marketing 3 cr.
- FIN 3110 - Principles of Real Estate 3 cr.
- FIN 3115 - Real Estate Law & Brokerage 3 cr.
- FIN 3120 - Real Estate Appraisal & Investment 3 cr.
- Elective (TECH CM 1000 - Intro to Construction Processes) 3 cr.

#### Certificate in Entrepreneurship 15 cr.
- MKTG 2110 - Principles of Marketing 3 cr.
- ENTR 2010 - Entrepreneurial Fundamentals 3 cr.
- ENTR 3583 - Entrepreneurship 3 cr.
- ENTR 3586 - Entrepreneurial Strategy 3 cr.
- ECON 1031 - Introduction to Business Economics 3 cr.

^ - denotes course is also part of Construction Management curriculum.

### Important ALEKS Test Information

The ALEKS test is a math placement test that all UNI students must complete prior to enrolling in certain math & science courses. Below are the scores required for the math & science requirements in this program:
- PHYSICS 1511: 45
- STAT 1772: 50
- MATH 1150: 61
# Construction Management

- Bachelor of Science (B.S.)
- Program Curriculum

## Example course sequence for first-year, freshman students

<table>
<thead>
<tr>
<th>Fall 1 (16 cred.)</th>
<th>TECH CM 1000: Intro to Construction Processes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TECH CM 1050: Construction Safety (offered FALL only)</td>
</tr>
<tr>
<td></td>
<td>TECH CM 2050: Construction Law (offered FALL only)</td>
</tr>
<tr>
<td></td>
<td>CHEM 1020: Chemical Technology</td>
</tr>
<tr>
<td></td>
<td>University elective</td>
</tr>
</tbody>
</table>

**Legend:**
- UNIFI Foundational Inquiry
- Math/Science Coursework
- Construction Management
- Management Coursework
- University Electives
- Pre or Co-requisite

<table>
<thead>
<tr>
<th>Spring 1 (16 cred.)</th>
<th>TECH CM 2000: Land, Route &amp; Construction Surveying (offered FALL only)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TECH CM 3050: Construction Estimating (offered FALL only)</td>
</tr>
<tr>
<td></td>
<td>PHYSICS 1511: General Physics I</td>
</tr>
<tr>
<td></td>
<td>University elective</td>
</tr>
</tbody>
</table>

**Legend:**
- UNIFI Oral Communications
- TECH CM 3000: Civil Construction (offered FALL only) |
- TECH CM 3150: Constr. Proj. Planning & Scheduling (offered SPRING only) |
- TECH CM 3250: Comp. Project Management (offered SPRING only) |
- ENGLISH 3772: Technical Writing for Engineering Technologists |
- MGMT 3100: Legal & Social Environment of Business |

<table>
<thead>
<tr>
<th>Fall 2 (15 cred.)</th>
<th>TECH CM 1100: Construction Processes (offered FALL only)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TECH CM 3100: Constr. Proj. Planning &amp; Scheduling (offered SPRING only)</td>
</tr>
<tr>
<td></td>
<td>TECH CM 4200: Structural Components of Construction (offered SPRING only)</td>
</tr>
<tr>
<td></td>
<td>University elective</td>
</tr>
</tbody>
</table>

**Legend:**
- TECH CM 2100: Mechanical Systems in Construction (offered SPRING only) |
- TECH CM 2250: Comp. Project Management (offered SPRING only) |
- TECH CM 4400: Construction Management Senior Project (offered SPRING only) |
- University elective |

<table>
<thead>
<tr>
<th>Spring 2 (15 cred.)</th>
<th>TECH CM 4300: Construction Technology &amp; Innovation (offered SPRING only)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TECH CM 4400: Construction Management Senior Project (offered SPRING only)</td>
</tr>
<tr>
<td></td>
<td>University elective</td>
</tr>
</tbody>
</table>

**Legend:**
- TECH CM 2050: Construction Law (offered FALL only) |
- STAT 1772: Intro to Statistical Methods |
- University elective |

## Example course sequence for transfer student with an A.A. or A.S. degree

<table>
<thead>
<tr>
<th>Fall 1 (16 cred.)</th>
<th>TECH CM 1000: Intro to Construction Processes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TECH CM 1050: Construction Safety (offered FALL only)</td>
</tr>
<tr>
<td></td>
<td>TECH CM 2050: Construction Law (offered FALL only)</td>
</tr>
<tr>
<td></td>
<td>PHYSICS 1511: General Physics I</td>
</tr>
<tr>
<td></td>
<td>ENGLISH 3772: Technical Writing for Engineering Technologists</td>
</tr>
<tr>
<td></td>
<td>CHEM 1020: Chemical Technology</td>
</tr>
<tr>
<td></td>
<td>University elective</td>
</tr>
</tbody>
</table>

**Legend:**
- TECH CM 2000: Land, Route & Construction Surveying (offered FALL only) |
- TECH CM 3050: Construction Estimating (offered FALL only) |
- TECH CM 4050: Construction Management (offered FALL only) |
- TECH CM 4200: Structural Components of Construction (offered FALL only) |
- TECH CM 4400: Construction Management Senior Project (offered SPRING only) |
- University elective |

<table>
<thead>
<tr>
<th>Spring 1 (16 cred.)</th>
<th>TECH CM 3100: Constr. Proj. Planning &amp; Scheduling (offered SPRING only)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TECH CM 3250: Comp. Project Management (offered SPRING only)</td>
</tr>
<tr>
<td></td>
<td>TECH CM 4050: Construction Management (offered FALL only)</td>
</tr>
<tr>
<td></td>
<td>TECH CM 4400: Construction Management Senior Project (offered SPRING only)</td>
</tr>
</tbody>
</table>

**Legend:**
- TECH CM 2050: Construction Law (offered FALL only) |
- TECH CM 3050: Construction Estimating (offered FALL only) |
- TECH CM 4050: Construction Management (offered FALL only) |
- TECH CM 4200: Structural Components of Construction (offered FALL only) |
- TECH CM 4400: Construction Management Senior Project (offered SPRING only) |
- University elective |

<table>
<thead>
<tr>
<th>Fall 2 (16 cred.)</th>
<th>TECH CM 1100: Construction Processes (offered FALL only)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TECH CM 3100: Constr. Proj. Planning &amp; Scheduling (offered SPRING only)</td>
</tr>
<tr>
<td></td>
<td>STAT 1772: Intro to Statistical Methods</td>
</tr>
<tr>
<td></td>
<td>University elective</td>
</tr>
</tbody>
</table>

**Legend:**
- TECH CM 2050: Construction Law (offered FALL only) |
- TECH CM 3100: Constr. Proj. Planning & Scheduling (offered SPRING only) |
- TECH CM 4050: Construction Management (offered FALL only) |
- TECH CM 4200: Structural Components of Construction (offered FALL only) |
- TECH CM 4400: Construction Management Senior Project (offered SPRING only) |
- University elective |

**Important ALEKS Test Information**

The ALEKS test is a math placement test that all UNI students must complete prior to enrolling in certain math & science courses. Below are the scores required for the math & science requirements in this program:

- PHYSICS 1511: 45
- STAT 1772: 50
- MATH 1150: 61