This program is intended for students interested in construction management and engineering or a closely related field. It includes required core courses primarily from the Department of Civil and Environmental Engineering, complemented by electives in civil and environmental engineering and other departments such as mechanical and industrial engineering and business administration. Based on proven proficiency in given areas, students may waive certain core courses and replace them with alternate elective courses.

### Degree Requirements

<table>
<thead>
<tr>
<th>Degree Requirements</th>
<th>With Report</th>
<th>With Thesis</th>
<th>Course Work Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required core courses</td>
<td>18 SH</td>
<td>18 SH</td>
<td>18 SH</td>
</tr>
<tr>
<td>Elective courses</td>
<td>10 SH</td>
<td>6 SH</td>
<td>14 SH</td>
</tr>
<tr>
<td>Master of Science report/thesis</td>
<td>4 SH</td>
<td>8 SH</td>
<td></td>
</tr>
<tr>
<td>Minimum semester hours required</td>
<td>32 SH</td>
<td>32 SH</td>
<td>32 SH</td>
</tr>
</tbody>
</table>

### Graduate Certificate Options

Students enrolled in a graduate degree program in the College of Engineering have the opportunity to pursue an engineering graduate certificate in addition to or in combination with the MS degree. For more information please refer to Graduate Certificate Programs (http://catalog.northeastern.edu/graduate/engineering/graduate-certificate-programs).

### GORDON INSTITUTE OF ENGINEERING LEADERSHIP

**Master's Degree in Civil Engineering with a Concentration in Construction Management with Graduate Certificate in Engineering Leadership**

Students may complete a Master of Science in Civil Engineering with a Concentration in Construction Management in addition to earning a Graduate Certificate in Engineering Leadership. Students must apply and be admitted to the Gordon Engineering Leadership Program in order to pursue this option. The program requires fulfillment of the 16-semester-hour curriculum required to earn the Graduate Certificate in Engineering Leadership, which includes an industry-based challenge project with multiple mentors. The integrated 33-semester-hour degree and certificate will require 17 hours of advisor-approved construction management technical courses.

Engineering Leadership (http://catalog.northeastern.edu/graduate/engineering/leadership/engineering-leadership-graduate-certificate/#text)

### Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

### Required Core Courses

- **CIVE 5221** Construction Project Control and Organization 2
- **CIVE 7220** Construction Management 4
- **CIVE 7230** Legal Aspects of Civil Engineering 4

### Options

Complete one of the following options:

**COURSE WORK OPTION**

Complete 14 semester hours from the course list below. 14

**REPORT OPTION**

- **CIVE 8674** Master’s Report 4
- Complete 10 semester hours from the course list below. 10

**THESIS OPTION**

- **CIVE 7990** Thesis 8
- Complete 6 semester hours from the course list below. 6

### Course List

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMGT 6305</td>
<td>Financial Management for Engineers</td>
<td>4</td>
</tr>
<tr>
<td>IE 6200</td>
<td>Engineering Probability and Statistics</td>
<td>4</td>
</tr>
</tbody>
</table>

### Program Credit/GPA Requirements

- 32 total semester hours required
- Minimum 3.000 GPA required