## Masters Degree Options

Students must obtain current copies of the Thesis Handbook and Academic Advising Handbook and familiarize themselves with and follow all of their steps and rules, including all university policies. Students must plan before each semester using the graduate advising form and tracking sheets and must obtain written advisor approval for all course adds/drops to be valid and counted toward degree.

### Admission

<table>
<thead>
<tr>
<th>Admission</th>
<th>Credits</th>
<th>Required</th>
<th>Offered</th>
<th>Electives (Check if offered)</th>
<th>Offered</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. With Bachelor of Civil Engineering (BCE) or Bachelor of Science in Civil Engineering (BSCE) from an accredited institution Submission of GRE test scores, TOEFL test scores (if non-native English speaker), and detailed resume is requested. Samples of technical/scholarly writing are encouraged with application, e.g. existing essays, reports, undergrad. thesis. School of Engineering form M2 must be approved at start.</td>
<td>8 courses (24 credits) with overall minimum B average plus thesis (6 credits)</td>
<td>CE 575 Syst. Analys. * (or CMGT 575)* CE 587 Estimating CE 589 Scheduling CE 590 Ops. Analysis CE 594 Constr. Law CMGT 547 Eng. Econ. * ENGR 516 Comp. Meth. * ENGR 520 Math. Analys. * ENGR 696B Thesis Continuation Thesis is typically started in second semester of program (or earlier), and typically takes about 2 semesters plus 1 full summer.</td>
<td>Fall</td>
<td>Spring</td>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>2. With Bachelor of Science from an accredited institution in a related calculus-based discipline, i.e. other engineering discipline, certain sciences, e.g. mathematics, physics, and also architecture (with at least MATH 120 and PHYS 101 and the structures sequence ARPL 441-541, 442-542, and 742 (formerly ARCH 321-621, 322-622, and 421-721) or better MATH 121, MATH 122, PHYS 215, ENGR 201, ENGR 301, CE 301, CE 302, CE 312, CE 402, CE 403, or CE 468 Submission of GRE test scores, TOEFL test scores (if non-native English speaker), and detailed resume is requested. Samples of technical/scholarly writing are encouraged with application, e.g. existing essays, reports, undergrad. thesis. School of Engineering form M2 must be approved at start.</td>
<td>10 courses (30 credits) with overall minimum B average</td>
<td>Certificate may be issued after 6 courses with minimum B average</td>
<td>Fall</td>
<td>Spring</td>
<td>Fall</td>
<td></td>
</tr>
</tbody>
</table>

### Professional Track

(Thesis or non-thesis options)

1. With Bachelor of Civil Engineering (BCE) or Bachelor of Science in Civil Engineering (BSCE) from an accredited institution

   10 courses (30 credits) with overall minimum B average

   Certificate may be issued after 6 courses with minimum B average

   Independent study possible per School of Engineering policies

   Total: 6 courses (18 credits)

   Fall odd | Spring | Summer | Fall | Spring/Fall |

2. With Bachelor of Science from an accredited institution in a related calculus-based discipline, i.e. other engineering discipline, certain sciences, e.g. mathematics, physics, and also architecture (with at least MATH 120 and PHYS 101 and the structures sequence ARPL 441-541, 442-542, and 742 (formerly ARCH 321-621, 322-622, and 421-721) or better MATH 121, MATH 122, PHYS 215, ENGR 201, ENGR 301, CE 301, CE 302, CE 312, CE 402, CE 403 or CE 468 Submission of GRE test scores, TOEFL test scores (if non-native English speaker), and detailed resume is requested. Samples of technical/scholarly writing are encouraged with application, e.g. existing essays, reports, undergrad. thesis. School of Engineering form M2 must be approved at start.

   8 courses (24 credits) with overall minimum B average plus thesis (6 credits) | Thesis requires separate form to notify dean's office of intent. | Fall odd | Spring | Summer | Fall |

### Academic Track

(Thesis or non-thesis options)

1. With Bachelor of Civil Engineering (BCE) or Bachelor of Science in Civil Engineering (BSCE) from an accredited institution Submission of GRE test scores, TOEFL test scores (if non-native English speaker), and detailed resume is requested. Samples of technical/scholarly writing are encouraged with application, e.g. existing essays, reports, undergrad. thesis. School of Engineering form M2 must be approved at start. | Fall | Spring | Fall |

2. With Bachelor of Science from an accredited institution in a related calculus-based discipline, i.e. other engineering discipline, certain sciences, e.g. mathematics, physics, and also architecture (with at least MATH 120 and PHYS 101 and the structures sequence ARPL 441-541, 442-542, and 742 (formerly ARCH 321-621, 322-622, and 421-721) or better MATH 121, MATH 122, PHYS 215, ENGR 201, ENGR 301, CE 301, CE 302, CE 312, CE 402, CE 403 Submission of GRE test scores, TOEFL test scores (if non-native English speaker), and detailed resume is requested. Samples of technical/scholarly writing are encouraged with application, e.g. existing essays, reports, undergrad. thesis. School of Engineering form M2 must be approved at start.

   10 courses (30 credits) with overall minimum B average

   Certificate may be issued after 6 courses with minimum B average

   Independent study possible per School of Engineering policies

   Total: 6 courses (18 credits)

   Fall odd | Spring | Summer | Fall | Spring/Fall |

---

**Total:** 4 courses (12 credits)