# Master of Science in Software Engineering, MSSE

The CPE program offers two plans leading to the MSSE. These are designated:

- Plan I (Thesis)
- Plan II (Non-thesis)

The following sections describe the requirements for each of these options. Students must consult their faculty advisor when constructing their program of study.

## Basic Program of Study

The Basic Program of Study, common to both Plan I and Plan II MSSE options, contains a minimum of 24 semester hours of graduate-level coursework that must include:

<table>
<thead>
<tr>
<th>CS Courses</th>
<th>CPE Courses</th>
<th>Studio Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 650</td>
<td>Select 6 semester hours from any two of three CS areas</td>
<td>CPE 656</td>
</tr>
<tr>
<td>SOFT'W ENGINEERING PROC</td>
<td>6</td>
<td>SOFTWARE ENGRG STUDIO I</td>
</tr>
<tr>
<td></td>
<td>Select 9 semester hours of CPE electives</td>
<td>CPE 658</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>SOFTWARE ENGRG STUDIO II</td>
</tr>
</tbody>
</table>

**Total Semester Hours**: 24

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1. Choose from **Formal Methods**: CS 617 or CS 655; **Software Engineering & Design**: CS 652, CS 551, or CS 552; **Software Applications**: CS 553, CS 658, or CS 656

2. CPE Electives include: CPE 512, CPE 536, CPE 538, CPE 548, CPE 549, CPE 628, CPE 631, CPE 633, CPE 645, CPE 647, CPE 648, or CPE 649.

### Plan I, Thesis Option

Students selecting this option must:

Complete the Basic Program of Study as described above 24

CPE 699 MASTER'S THESIS 6

**Total Semester Hours**: 30

### Plan II, Non-thesis Option

Students selecting this option must:

Complete the Basic Program of Study described above 24

**CS Core**
Select one course from remaining CS core area 3

**CPE Courses**
Select 6 semester hours from the list of approved CPE electives 6

**Total Semester Hours**: 33