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:

**CS Courses**

- CS 650: SOFT'W ENGINEERING PROC 3
- Select 6 semester hours from any two of three CS areas 1

**CPE Courses**

- Select 9 semester hours of CPE electives 2

**Studio Courses**

- CPE 656: SOFTWARE ENGRG STUDIO I 3
- CPE 658: SOFTWARE ENGRG STUDIO II 3

**Total Semester Hours** 24

1. Choose from Formal Methods: CS 617 or CS 655; Software Engineering & Design: CS 652; 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