Computer Engineering, MSE

The CPE program offers two plans leading to the MSE with a Computer Engineering option. These are designated:

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

The following sections describe the requirements for each of these options. With prior approval, up to 12 semester hours of 500-level courses may be taken in fulfillment of the MSE requirements.

**Basic Program of Study**

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

<table>
<thead>
<tr>
<th>CPE Core</th>
<th>INTRO PARALLEL PROGRAMMING</th>
<th>3</th>
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<tbody>
<tr>
<td>CPE 512</td>
<td>VLSI HARDWARE DESC LANG/MODL/S</td>
<td>3</td>
</tr>
<tr>
<td>CPE 526</td>
<td>ADV COMP SYSTEMS ARCHITECTURE</td>
<td>3</td>
</tr>
<tr>
<td>CPE 631</td>
<td>3 semester hour graduate course in computer engineering or a related field</td>
<td>3</td>
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Math Minor

6 hours of coursework with mathematical or theoretical foundation. The courses must be approved by the student's academic advisor.

Engineering Area of Specialization Minor

Select a 2-course sequence from engineering, or computer science

Total Semester Hours

24

1. Students who have completed these or similar courses elsewhere may request course substitutions. All substitutions must be approved by the student's academic advisor.

2. At least one of those courses should be at the 600 level. The selected courses must be approved by the student’s academic advisor or Supervisory Committee.

**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
Complete an acceptable thesis including a public defense

Total Semester Hours 30

**Plan II, Non-Thesis Option**

Students selecting this option must:

Complete the Basic Program of Study as described above 24
Select 6 semester hours of graduate coursework to complete an approved extended program of study

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Total Semester Hours 31

1. At least 3 semester hours must be at the 600-level or above