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 course work that must include:

Code	Title	Semester Hours
CPE Core [1]		
CPE 512	INTRO PARALLEL PROGRAMMING	3
CPE 526	VLSI HARDWARE DESC LANG/MODL/S	3
CPE 631	ADV COMP SYSTEMS ARCHITECTURE	3
3 semester hour graduate course in computer engineering or a related field		3
Math Minor		
6 hours of coursework with mathematical or theoretical foundation. The courses must be approved by the student's academic advisor.		6
Engineering Area of Specialization Minor		
Select a 2-course sequence from engineering, or computer science [2]		6
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:

Code	Title	Semester Hours
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:

Code	Title	Semester Hours
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 [1]		6
Total Semester Hours		30

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