

Mechanical Engineering, MSE

The MAE Department offers two plans leading to the MSE degree for the Mechanical Engineering option. These are designated:

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

The following sections describe the requirements for each of these options. For both options, *the majority of coursework*, not including MAE 699, *must have the MAE prefix*. With prior approval, up to 9 semester hours of 500 level courses may be taken in fulfillment of the Basic and specific program requirements.

Basic Program of Study

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

Code	Title	Semester Hours
Engineering Major		
	Select an engineering major consisting of 12 semester hours of graduate courses including supporting engineering courses	12
First Minor		
	Select a first minor of 6 semester hours of graduate courses in an approved engineering area of specialization	6
Second Minor		
MAE 692	GRAD ENGR ANALYSIS I	3
	Select 3 additional semester hours of graduate coursework in mathematics (typically MAE 623, MAE 661, MAE 662, MAE 671, MAE 674, MAE 693, MAE 780, or ISE 690 (*))	3
Total Semester Hours		24

*The majority of coursework must have the MAE prefix, ISE 627 and ISE 690 do not count toward this total

Plan I, Thesis Option

Students selecting this option must:

Code	Title	Semester Hours
	Complete Basic Program of Study as described above	24
MAE 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 Basic Program of Study as described above	24
	Select 6 semester hours of graduate courses to complete an approved extended program of study	6
Total Semester Hours		30