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 nine semester hours of 500-level courses may be taken in fulfillment of the Basic and specific program requirements.

**Basic Program of Study**

The Basic POS, common to both the Plan I and Plan II (non-thesis) MSE options, contains a minimum of 24 credit hours of graduate-level coursework that must include:

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<th>Semester Hours</th>
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**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:

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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:

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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