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 be from MAE. With prior approval, up to 12 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:

**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 courses in Mathematics or Graduate Engineering Analysis 3

Total Semester Hours 24

1 The required MAE 671 course may be used to fulfill this additional 3 semester hours.

**Plan I, Thesis Option**

Students selecting this option must:

Complete Basic Program of Study including MAE 671 as described above 24
MAE 683 GRAD SEMINAR MECH ENGR 1
MAE 699 MASTER'S THESIS 6
Complete an acceptable thesis including a public defense

Total Semester Hours 31

**Plan II, Non-Thesis Option**

Students selecting this option must:

Complete Basic Program of Study including MAE 671 as described above 24
Select 6 semester hours of graduate courses to complete an approved extended program of study 6
MAE 683 GRAD SEMINAR MECH ENGR 1

Total Semester Hours 31