Aerospace Systems Engineering, MSASE

The MAE Department offers two options leading to the Master of Science degree in Aerospace Systems Engineering (MSASE). 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 MSASE Program of Study

The Basic Program of Study, common to both the Plan I and Plan II (Non-thesis) MSASE 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ISE 627</td>
<td>ENGINEERING SYSTEMS</td>
<td>3</td>
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<tr>
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<td>3 semester hour graduate course in an approved engineering area of specialization</td>
<td>3</td>
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#### Second Minor

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MAE 692</td>
<td>GRAD ENGR ANALYSIS I</td>
<td>3</td>
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<tr>
<td></td>
<td>3 semester hour approved graduate mathematics or engineering mathematics course</td>
<td>3</td>
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</tbody>
</table>

**Total Semester Hours** **24**

### Plan I, Thesis Option

Students selecting this option must:

- Complete Basic Program of Study as described above **24**
- MAE 684 AEROSPACE SYSTEMS SEMINAR **1**
- MAE 699 MASTER'S THESIS **6**
- Complete an acceptable thesis including a public defense and submit a journal manuscript to the research advisor

**Total Semester Hours** **31**

### Plan II, Non-Thesis Option

Students selecting this option must:

- 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**
- MAE 684 AEROSPACE SYSTEMS SEMINAR **1**

**Total Semester Hours** **31**