AEROSPACE ENGINEERING,
DOCTOR OF PHILOSOPHY
(PH.D.)

Doctoral students are required to complete 36 credits beyond the Bachelor’s degree, in addition to 12 credits of ENAE899. Required coursework should include not less than 18 hours within one departmental area of specialization, at least 6 hours from among the other areas of specialization in the Department, and not less than 9 hours in courses that emphasize the physical sciences or mathematics.

At least 12 semester hours of credits taken to satisfy (2) and (3) must be 600 level or higher. The student must pass a written qualifying and an oral comprehensive examination and take 12 hours of dissertation credits.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Area Requirement</strong></td>
<td>Select a minimum of 18 credits within one of the following departmental core area of specializations:</td>
<td>18</td>
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<tr>
<td>Aerodynamics and Propulsion</td>
<td></td>
<td></td>
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<tr>
<td>Flight Dynamics Stability and Control</td>
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<tr>
<td>Rotocraft</td>
<td></td>
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<tr>
<td>Space Systems</td>
<td></td>
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<tr>
<td>Structural Mechanics and Composites</td>
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<tr>
<td><strong>Minor Area Requirement</strong></td>
<td>Select minimum of 6 credits are required within one of the other departmental core areas of specialization, or from another department</td>
<td>6</td>
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<tr>
<td><strong>Math/Science Requirement</strong></td>
<td>Select a minimum of nine credits of coursework must emphasize mathematics, physical sciences, life sciences, or computer sciences</td>
<td>9</td>
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<tr>
<td><strong>Dissertation Research Requirements</strong></td>
<td>ENAE899 Doctoral Dissertation Research</td>
<td>12</td>
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</tbody>
</table>

1 No more than 3 credits can be from the College of Engineering. The one engineering course that can count toward this requirement must not be a course that could apply to either the major or minor concentration area. At least 3 credits must be at the 600 level or higher.