AEROSPACE ENGINEERING MINOR

A student may obtain a minor in aerospace engineering by completing at least 18 credit hours consisting of three core courses and three approved elective courses.

Minor Requirements (18 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AESP 265</td>
<td>Aerodynamics I Incompressible Flow</td>
<td></td>
</tr>
<tr>
<td>AESP 420</td>
<td>Flight and Orbital Mechanics</td>
<td></td>
</tr>
<tr>
<td>AESP 350</td>
<td>Aerospace Systems</td>
<td></td>
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<tr>
<td>AESP 314</td>
<td>Energy Power and Propulsion</td>
<td></td>
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<tr>
<td>AESP 466</td>
<td>Flight Dynamics and Control</td>
<td></td>
</tr>
</tbody>
</table>

Select three of the following:

- AESP 265: Aerodynamics I Incompressible Flow
- AESP 420: Flight and Orbital Mechanics
- AESP 350: Aerospace Systems
- AESP 314: Energy Power and Propulsion
- AESP 466: Flight Dynamics and Control

Elective Aerospace Courses (9 Credits)

Select at least three additional courses from the following list. ¹

- AESP 265: Aerodynamics I Incompressible Flow
- AESP 420: Flight and Orbital Mechanics
- AESP 350: Aerospace Systems
- AESP 314: Energy Power and Propulsion
- AESP 466: Flight Dynamics and Control
- EMCH 508: Finite Element Analysis in Mechanical Engineering
- EMCH 516: Control Theory in Mechanical Engineering
- EMCH 522: Design for Manufacture and Assembly
- EMCH 532: Intermediate Dynamics
- EMCH 544: Compressible Fluid Flow
- EMCH 554: Intermediate Heat Transfer
- EMCH 560: Intermediate Fluid Mechanics
- EMCH 571: Mechanical Behavior of Materials
- EMCH 575: Adaptive Materials and Smart Structures
- EMCH 577: Aerospace Structures I
- EMCH 578: Introduction to Aerodynamics
- EMCH 584: Advanced Mechanics of Materials
- EMCH 585: Introduction to Composite Materials
- EMCH 592: Introduction to Combustion

Total Credit Hours: 18

¹ No course may be used to satisfy both core and elective requirements.