# Aerospace Engineering Minor

## Minor Requirements (18 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</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>
</tr>
<tr>
<td>AESP 314</td>
<td>Energy Power and Propulsion</td>
<td></td>
</tr>
<tr>
<td>AESP 466</td>
<td>Flight Dynamics and Control</td>
<td></td>
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</tbody>
</table>

### Core Aerospace Courses

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

Select at least three additional courses from the following list.

- 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

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