<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>AERO 306</td>
<td>Aerodynamics and Flight Performance</td>
<td>4</td>
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<tr>
<td>AERO 307</td>
<td>Experimental Aerodynamics</td>
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<tr>
<td>AERO 401</td>
<td>Propulsion Systems</td>
<td>5</td>
</tr>
<tr>
<td>AERO 405</td>
<td>Supersonic and Hypersonic Aerodynamics</td>
<td>4</td>
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<tr>
<td>AERO 420</td>
<td>Aircraft Dynamics and Control</td>
<td>4</td>
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<tr>
<td>AERO 443</td>
<td>Aircraft Design I</td>
<td>4</td>
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<tr>
<td>AERO 444</td>
<td>Aircraft Design II</td>
<td>3</td>
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<tr>
<td>AERO 445</td>
<td>Aircraft Design III</td>
<td>3</td>
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</table>

**Aeronautics Approved Electives.**

Select from the following: 12

- AERO 311 Aircraft Development History
- AERO 351 Introduction to Orbital Mechanics
- AERO 353 Spacecraft Environment
- AERO 360 Creative Problem Solving in Engineering Design
- AERO 406 Applied Computational Fluid Dynamics
- AERO 407 Reentry Aerodynamics
- AERO 409 Flight Test
- AERO 421 Spacecraft Attitude Dynamics and Control
- AERO 425 Aircraft Performance
- AERO 432 Advanced Composite Structures Analysis
- AERO 434 Aerospace Structural Analysis III
- AERO 435 Aerospace Numerical Analysis
- AERO 450 Introduction to Aerospace Systems Engineering
- AERO 452 Spaceflight Dynamics II
- AERO 446 Introduction to Space Systems
- AERO 470 Selected Advanced Topics
- AERO 510 Systems Engineering I
- AERO 511 Systems Engineering II
- AERO 512 Aerospace Vehicle Software Application
- AERO 513 Applications of Unmanned Aircraft Systems
- AERO 515 Continuum Mechanics
- AERO 517 Multidisciplinary Design and Optimization
- AERO 519 Fundamentals of Vehicle Dynamics and Control
- AERO 522 Boundary-Layer Theory
- AERO 523 Turbulence
- AERO 525 Computational Fluid Dynamics
- AERO 526 Spacecraft Thermal/Fluid Control
- AERO 528 Laminar Flow Aircraft Development
- AERO 532 Advanced Aerospace Composite Design
- AERO 533 Finite Elements for Aerospace Structural Analysis
- AERO 534 Aerospace Structural Dynamics Analysis
- AERO 535 Advanced Aerospace Structural Analysis
- AERO 540 Elements of Rocket Propulsion
- AERO 541 Air Breathing Propulsion
- AERO 551 Global Positioning Satellite Navigation Systems
- AERO 553 Advanced Control Theory
- AERO 557 Advanced Orbital Mechanics
- AERO 560 Advanced Spacecraft Dynamics and Control
- AERO 561 Vehicle Integration and Testing
- AERO 562 Space Operations
- AERO 565 Advanced Topics in Aircraft Design
- AERO 566 Advanced Topics in Spacecraft Design
- AERO 567 Launch Vehicle and Missile Design
- AERO 568 Aerodynamic Research and Development I
- AERO 569 Aerodynamic Research and Development II
- AERO 570 Selected Advanced Topics
- AERO 571 Selected Advanced Topics Laboratory

**Total units**: 41

Consultation with advisor is recommended prior to selecting approved electives; bear in mind your selections may impact pursuit of postbaccalaureate studies and/or goals.

Require a petition.