This sheet applies to the 2010-2011 catalog only. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors must work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

<table>
<thead>
<tr>
<th>General Studies</th>
<th>34</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major courses</td>
<td>68</td>
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<tr>
<td>Minor courses</td>
<td>18 min.</td>
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</table>

Total to graduate (min. 40 upper division hours) 120 min

### GENERAL STUDIES
#### Composition
- ENG 1010-3 Freshman Comp: Essay
- ENG 1020-3 Freshman Comp: Analysis, Research & Docum

#### Mathematics
- MTH 1110-4 College Algebra
- MTH 1112-4 College Algebra Through Modeling
- MTH 1310-4 Finite Mathematics

#### Communications
- SPE 1010-3 Public Speaking

#### Historical
- _3

#### Arts & Letters
- PHI 1030-3 Ethics

#### Social Sciences
- ECO 2010-3 Principles of Economics: Macro
- ECO 2020-3 Principles of Economics: Micro

#### Natural Sciences
- PHY 1250-6 Physics of Aviation

#### Multicultural Requirement
(see if satisfied within General Studies, major, minor or electives)
- _3

### MAJOR COURSES (grade of “C” or better required for all major upper-division classes)

- AES 1100-6 Aviation Fundamentals
- AES 1400-3 Aviation Weather
- AES 1710-3 Single Engine Flight Simulation I
- AES 2220-3 Flight Dispatcher/Load Planning
- AES 3000-3 Aircraft Systems & Propulsion
- AES 3850-3 Human Factors & Physiology of Flight
- AES 3880-3 Aviation Security
- AES 4370-3 Advanced Navigation Systems
- AES 4860-3 Aviation Safety
- AES 4870-3 Aviation Safety Program Management
- AES 4910-3 Aviation Management Problems and Job Targeting
- COM 2610-3 Introduction to Technical Writing
- MKT 2040-3 Business Communications
- AES 4930-3 Professional Flight Standards Seminar
- AES 4950-3 Aviation and Aerospace Science Mgt. Strategies
- COM 4790-3 Senior Seminar in Tech. Communications (Sr Exper)

Space Commercialization Emphasis additional classes

- AES 3600-3 Space Flight Operations I
- AES 4601-3 Space Flight Operations II
- AES 4602-3 Aerospace Commercialized Operations
- AES 4603-3 Aerospace Operations Systems Analysis & Design

Plus a minimum of 17 semester hours of approved AES electives

The following courses may be substituted for approved AES electives:

- CIS 2300-3 Business Statistics
- MTH 1210-4 Introduction to Statistics
- MTH 1320-3 Calculus for the Management & Social Sciences
- MGT 3000-3 Organizational Management
- MGT 4530-3 Organizational Behavior
- PSY 1001-3 Introductory Psychology

MINOR (Non-AES)- 18 credit hours minimum