## Aviation and Aerospace Science, B.S. - Air Traffic Collegiate Training Initiative Concentration

**Minor (required)**

**Fall 2016 catalog year**

<table>
<thead>
<tr>
<th>First Year</th>
<th>Third Year</th>
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<tbody>
<tr>
<td><strong>Fall:</strong> 16 Credits</td>
<td><strong>Fall:</strong> 15 Credits</td>
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<tr>
<td>AES 1100 (6) Aviation Fundamentals (F, S)</td>
<td>AES 3880 (3) Aviation Security (F, S)</td>
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<tr>
<td>MTH 1110 (4) College Algebra OR</td>
<td>Historical (3) (F, S, Su) MC or GD recommended</td>
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<tr>
<td>MTH 1112 (4) College Algebra Thru Modeling OR</td>
<td>General Elective (3) (F, S, Su)</td>
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<tr>
<td>MTH 1310 (4) Finite Math – Mgmt &amp; Soc. Sciences (F, S, Su)</td>
<td>Minor (3)</td>
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<tr>
<td>AES 1710 (3) Instrument Flight Simulation I (F, S)</td>
<td>General Elective (3) (F, S, Su)</td>
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<tr>
<td>ENG 1010 (3) Composing Arguments (F, S, Su)</td>
<td><strong>Spring:</strong> 15 Credits</td>
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<td><strong>Spring:</strong> 15 Credits</td>
<td><strong>Spring:</strong> 15 Credits</td>
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<tr>
<td>AES 1400 (3) Aviation Weather (F, S, Su)</td>
<td>AES 4370 (3) Advanced Navigation Systems (F, S)</td>
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<tr>
<td>PHI 1030 (3) Introduction to Ethics (F, S, Su)</td>
<td>Arts &amp; Humanities (3) (F, S, Su)</td>
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<tr>
<td>PHY 1250 (6) Physics of Aviation (F, S)</td>
<td>General Elective (3) (F, S, Su)</td>
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<tr>
<td>CAS 1010 (3) Public Speaking (F, S) OR</td>
<td>General Elective (3) (F, S, Su)</td>
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<td>CAS 1710 (3) Interpersonal Communication (F, S)</td>
<td>Minor (3)</td>
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<tr>
<th>Second Year</th>
<th>Fourth Year</th>
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<tr>
<td><strong>Fall:</strong> 14 Credits</td>
<td><strong>Fall:</strong> 15 Credits</td>
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<tr>
<td>AES 2120 (4) Instrument Fundamentals (F)</td>
<td>AES 4860 (3) Aviation Safety (F, S) OR</td>
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<tr>
<td>AES 2200 (4) Fundamentals of Air Traffic Control (F, S)</td>
<td>AES 4870 (3) Aviation Safety Program Management (F, S)</td>
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<tr>
<td>ENG 1020 (3) Freshman Comp: Anly, Rsrch, &amp; Doc. (F, S, Su)</td>
<td>AES 4910 (3) Aviation &amp; Aero. Strat. Planning (Sr. Exp.) (F, S)</td>
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<td>Social Behavioral I (3) (F, S, Su) MC or GD recommended</td>
<td>General Elective (3) (F, S, Su)</td>
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<td><strong>Spring:</strong> 15 Credits</td>
<td>General Elective (3) (F, S, Su)</td>
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<tr>
<td>AES 2130 (3) Commercial Flight Operations (S)</td>
<td>Minor (3)</td>
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<tr>
<td>AES 2710 (3) Instrument Flight Simulation II (F, S)</td>
<td><strong>Spring:</strong> 15 Credits</td>
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<tr>
<td>Social Behavioral II (3) (F, S, Su) MC or GD recommended</td>
<td>General Elective (3) (F, S, Su)</td>
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<td>Minor (3)</td>
<td>AES 4100 (3) Advanced Air Traffic Control (F, S)</td>
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<tr>
<td>General Elective (3) (F, S, Su)</td>
<td>AES 4210 (3) Airport Planning and Management II* OR</td>
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<td>AES 4930 (3) Professional Flight Standards Seminar OR</td>
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<td>COM 4790 (3) Senior Seminar in Tech. Com. (Sr. Exp.) (F, S)</td>
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