## AVIATION SCIENCES (PROFESSIONAL PILOT - HELICOPTER), B.S.A.

**Requirements for a Major in Aviation Sciences (Professional Pilot - Helicopter)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVS 1361</td>
<td>Private Pilot Helicopter Flight</td>
<td>3</td>
</tr>
<tr>
<td>AVS 2362</td>
<td>Instrument/Commercial I Helicopter Flight</td>
<td>3</td>
</tr>
<tr>
<td>AVS 2363</td>
<td>Instrument/Commercial II Helicopter Flight</td>
<td>3</td>
</tr>
<tr>
<td>AVS 3364</td>
<td>CFI Helicopter Flight</td>
<td>3</td>
</tr>
<tr>
<td>AVS 4265</td>
<td>CFI-I Helicopter Flight</td>
<td>2</td>
</tr>
<tr>
<td>AVS 4266</td>
<td>NVG Helicopter Flight</td>
<td>2</td>
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</tbody>
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Seventy semester hours including the following:

### Required Courses

- AVS 1300: Introduction to Aviation (3 hours)
- AVS 1301: Air Navigation (3 hours)
- AVS 1302: Private Pilot Ground School (3 hours)
- AVS 1303: Instrument Rating Ground School (3 hours)
- AVS 1313: Introduction to Meteorology (3 hours)
- AVS 2304: Commercial Pilot Ground School (3 hours)
- AVS 3305: Flight Instructor Ground School (3 hours)
- AVS 3310: Aviation Law (3 hours)
- AVS 3311: Aircraft Accident Investigation and Prevention (3 hours)
- AVS 3312: Aviation Safety (3 hours)
- AVS 3315: Advanced Aviation Meteorology (3 hours)
- AVS 4314: Advanced Aircraft Systems (3 hours)
- AVS 4315: Aerodynamics (3 hours)

Select fifteen hours from the following:

- AVS 3320: Flight Crew Career Development
- AVS 3350: Space Weather
- AVS 3370: Aviation Leadership
- AVS 4317: Aerospace Propulsion Systems
- AVS 4318: Avionics System Design
- AVS 4375: Crew Resource Management (CRM) in Aviation
- AVS 4376: Aviation Management
- AVS 4390: Internship in Aviation

**Subtotal** 70 hours

### Required Courses in Other Fields

- MTH 1321: Calculus I (3 hours)
- MTH 1322: Calculus II (3 hours)
- or STA 2381: Introductory Statistical Methods
- PHY 1408: General Physics for Natural and Behavioral Sciences I (4 hours)
- or PHY 1420: General Physics I
- CSI 3303: Information Technology (3-4 hours)
- or CSI 1401: Introduction to Programming I

Total Hours 83-84