Program Learning Objectives and Goals

A. Effective Communication
   a. Professional speech - presenting ideas to others
   b. Term paper research and presentation
   c. Interpersonal communication (human factors)
   d. Communication skills with Air Traffic Control (ATC)

B. Aviation Problem solving
   a. Problem Solving (Aeronautical Decision Making)
   b. Differentiating fact from opinion
   c. Synthesize information/coherent solution
   d. Apply aeronautical knowledge to unfamiliar situation
   e. Assess possible solutions to manage risk
   f. Application of Safety Management Systems (SMS) to reduce risk

C. Aviation Skills and Professionalism
   a. Enhance aviation skills, knowledge and professional experience
   b. Studying mistakes of others to enhance safety (SMS, NTSB)
   c. Analyze and evaluate regulatory issues affecting aviation

D. Use of Technology
   a. Access appropriate aviation technical information
   b. Use available electronic cockpit technology
   c. Use computer technology for flight planning and preparation

E. Aviation Career Integration/synthesis
   a. Integrate principles/methods to enhance career choices
   b. Interrelations among aviation/non-aviation disciplines
   c. Consider relevant human factors for decision making
   d. Apply critical, analytical, and creative thinking to problem solving
F. Trends and Culture in Diversity
   a. Integration with differences in background and ethnicity
   b. Work in groups of people with diverse background

G. Aviation Career Development
   a. Aviation culture development
   b. Networking opportunities including airline and campus groups
   c. Use technology to present a professional image.

SE Professional Flight program outcome assessment process (POAR)
Program assessment employed by the department are Student survey, Class evaluation survey, Alumni, Industry, Faculty, Interview, Safety committee thru our SMS program, FAA Part 61 and 141 practical examination results, FAA Primary Operations Inspector and Maintenance operation feedback, AABI recommendations and annual faculty outcomes assessments of each course. Information from the processes above are gathered and all of the faculty conduct an outcome assessment meeting to discuss the data. During this meeting changes will be deliberated and ideas will be implemented. Also, the outcome of previous changes are evaluated. The Professional flight program continues review operation from daily/weekly stage checks and flight operations. The Chief Flight instructor and faculty discusses needed changes during the year.

Professional Pilot Students Retention and Graduation rates

<table>
<thead>
<tr>
<th>School Year</th>
<th>Number of students declaring Professional Pilot as Major</th>
<th>Retention at end of first year (# / %)</th>
<th>Retention of student Year 2 (# / %)</th>
<th>Retention of student Year 3 (# / %)</th>
<th>Retention of student Year 4 (# / %)</th>
<th>% graduated with Professional Pilot (# / %)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>29</td>
<td>15 (52%)</td>
<td>11 (38 %)</td>
<td>8 (28 %)</td>
<td>4 (14 %)</td>
<td>5 (17 %)</td>
</tr>
<tr>
<td>2014-</td>
<td>29</td>
<td>22 (76%)</td>
<td>17 (59 %)</td>
<td>14 (48 %)</td>
<td>5 (17 %)</td>
<td>7 (24 %)</td>
</tr>
<tr>
<td>2015-</td>
<td>23</td>
<td>11 (48%)</td>
<td>10 (43 %)</td>
<td>8 (35 %)</td>
<td>4 (17 %)</td>
<td>5 (22 %)</td>
</tr>
<tr>
<td>2016-</td>
<td>35</td>
<td>28 (80%)</td>
<td>20 (57 %)</td>
<td>16 (46 %)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2017-</td>
<td>48</td>
<td>35 (73%)</td>
<td>29 (60 %)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>47</td>
<td>32 (68%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2019-</td>
<td>52</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Type of Employment by Graduates (years 2013 to 2015 graduates)

<table>
<thead>
<tr>
<th>Position</th>
<th>Number employed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flight Instructor</td>
<td>1</td>
</tr>
<tr>
<td>Corporate Pilot</td>
<td>2</td>
</tr>
<tr>
<td>Airline Pilot</td>
<td>14</td>
</tr>
<tr>
<td>Other Aviation Employment</td>
<td>0</td>
</tr>
</tbody>
</table>