

# AEROSPACE ADMINISTRATION AND OPERATIONS: PROFESSIONAL PILOT, BS

## Degree Requirements

**Requirements for Students Matriculating in or before Academic Year 2025-2026.** Learn more about University Academic Regulation 3.1 (<http://catalog.okstate.edu/university-academic-regulations/#matriculation>).

**Minimum Overall Grade Point Average: 2.50**

**Total Hours: 121**

| Code  | Title   | Hours |
|---|---|-------|
| <b>General Education Requirements</b>   |   |       |
| <i>English Composition</i>  |   |       |
| See Academic Regulation 3.5 ( <a href="http://catalog.okstate.edu/university-academic-regulations/#english-composition">http://catalog.okstate.edu/university-academic-regulations/#english-composition</a> ) |   |       |
| ENGL 1113   | Composition I   | 3     |
| or ENGL 1313  | Critical Analysis and Writing I                         |       |
| Select one of the following:  |   | 3     |
| ENGL 1213   | Composition II  |       |
| ENGL 1413   | Critical Analysis and Writing II                        |       |
| ENGL 3323   | Technical Writing                                       |       |
| <i>American History &amp; Government</i>  |   |       |
| Select one of the following:  |   | 3     |
| HIST 1103   | Survey of American History                              |       |
| HIST 1483   | American History to 1865 (H)                            |       |
| HIST 1493   | American History Since 1865 (DH)                        |       |
| POLS 1113   | American Government                                     | 3     |
| <i>Quantitative Thought &amp; Logical Reasoning (Q)</i>   |   |       |
| MATH 1513   | College Algebra (Q) (or higher MATH or STAT (Q) course) | 3     |
| <i>Understanding Humanities-Human Heritage &amp; Cultures (H)</i>   |   |       |
| Courses designated (H)  |   | 6     |
| <i>Reasoning in the Natural Sciences (N)</i>  |   |       |
| Must include one Laboratory-Based Inquiry (L) course  |   |       |
| GEOG 3033   | Meteorology (N)   | 3     |
| PHYS 1114   | College Physics I (LN)                                  | 4     |
| Or higher level PHYS  |   |       |
| <i>Exploring Society &amp; Human Behavior (S)</i>   |   |       |
| Course designated (S)   |   | 3     |
| <i>Diversity (D)</i>  |   |       |
| Courses designated (D)  |   | 3     |
| <i>Global Cultural Competency (G)</i>   |   |       |
| Courses designated (G)  |   | 3     |
| <i>Additional General Education</i>   |   |       |

Additional general education credit hours (at least 3 hours) are required to meet the total 40-hour minimum. If courses carry more than one general education designation and can be used to meet multiple minimum general education designation hours above, more than 3 hours of additional general education will be required here to meet the 40-hour minimum.

|   |  |           |
|---|--|-----------|
| Courses designated (Q), (H), (N), (S), (D), (G), or (F)     |  | 3         |
| <b>Hours Subtotal</b>                                       |  | <b>40</b> |
| <b>College/Departmental Requirements</b>                    |  |           |
| UNIV 1111   | First Year Seminar (or other approved first year seminar course) | 1         |
| EDHS 3111   | Preparing for Your Future Career                                 | 1         |
| Select 6 hours of electives                                 |  | 6         |
| Recommended Courses (2 hours each below):                   |  |           |
| AVED 4100   | Specialized Studies in Aviation                                  |           |
| AVED 4200   | Internship in Aviation   |           |
| <b>Hours Subtotal</b>                                       |  | <b>8</b>  |
| <b>Major Requirements</b>                                   |  |           |
| Minimum GPA 2.50 with a minimum grade of "C" in each course |  |           |
| AVED 1114   | Theory of Flight   | 4         |
| AVED 1222   | Private Flight Laboratory I                                      | 2         |
| or AVED 1210  | Private Flight Laboratory 1A                                     |           |
| AVED 1232   | Private Flight Laboratory II                                     | 2         |
| or AVED 1230  | Private Flight Laboratory 2A                                     |           |
| AVED 1403   | Advanced Theory of Flight  | 3         |
| AVED 2122   | Intermediate Flight Lab  | 2         |
| or AVED 2120  | Intermediate Flight Laboratory 1A                                |           |
| AVED 2133   | Instrument Flight Laboratory                                     | 3         |
| or AVED 2130  | Instrument Flight Laboratory 1A                                  |           |
| AVED 2142   | Commercial Maneuvers Flight Lab                                  | 2         |
| or AVED 2140  | Commercial Maneuvers Flight Laboratory 1A                        |           |
| AVED 2213   | Theory of Instrument Flight                                      | 3         |
| AVED 2313   | Theory of Commercial Flight                                      | 3         |
| AVED 3113   | History of Aviation  | 3         |
| AVED 3231   | Theory of Multi-Engine Flight                                    | 1         |
| AVED 3243   | Human Factors in Aviation  | 3         |
| AVED 3333   | Advanced Aircraft Systems  | 3         |
| AVED 3341   | Multi-Engine Flight Laboratory                                   | 1         |
| AVED 3433   | Aviation/Aerospace Ethics  | 3         |
| AVED 3443   | Aviation Legal and Regulatory Issues                             | 3         |
| AVED 3453   | Aviation/Aerospace Security Issues                               | 3         |
| AVED 3533   | Aircraft Turbine Engine Operation                                | 3         |
| AVED 3663   | Aerospace and Air Carrier Industry                               | 3         |
| AVED 4113   | Aviation Safety  | 3         |
| AVED 4133   | Principles of Flight Instruction                                 | 3         |
| AVED 4232   | Flight Instructor: Airplane Flight Laboratory                    | 2         |
| or AVED 4230  | Flight Instructor Flight Laboratory 1A                           |           |
| AVED 4303   | Aviation Weather   | 3         |
| AVED 4353   | Cockpit Automation   | 3         |
| AVED 4653   | International Aerospace Issues (G)                               | 3         |
| AVED 4703   | Crew Resource Management   | 3         |
| AVED 4993   | Aviation Labor Relations   | 3         |

|                       |            |
|-----------------------|------------|
| <b>Hours Subtotal</b> | <b>73</b>  |
| <b>Total Hours</b>    | <b>121</b> |

## Program Entrance Requirement

- Selection into OSU's professional pilot option through the competitive secondary application process is required.

## Other Requirements

- 40 hours of upper-division coursework.
- A 2.50 GPA is required in the Major Requirements with no grade below a "C".

## Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 and 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2031.