

**Departmental/Program Major Courses (112 credits)**

**Required Major Courses (60 credits)**

|       |     |              |   |
|-------|-----|--------------|---|
| _____ | (1) | AT 10000     | Introduction to Aviation Technology                       |
| _____ | (3) | AT 10200     | Aviation Business   |
| _____ | (3) | AT 10300     | Aerospace Vehicle Propulsion and Tracking Systems         |
| _____ | (4) | AT 14400     | Private Pilot Lectures                                    |
| _____ | (3) | AT 20200     | Aerospace Vehicle Systems Design, Analysis and Operations |
| _____ | (3) | AT 20300     | Aviation Operations Management                            |
| _____ | (3) | AT 49800     | AT Capstone   |
| _____ | (2) | AT 14500(02) | Private Pilot Flight                                      |
| _____ | (1) | AT 21000     | Ground Trainer I  |
| _____ | (1) | AT 21100     | Ground Trainer II   |
| _____ | (3) | AT 22300     | Human Factors for Flight Crews                            |
| _____ | (2) | AT 24300(02) | Commercial Flight I                                       |
| _____ | (2) | AT 24800(02) | Commercial Flight II                                      |
| _____ | (3) | AT 24900     | Instrument Flight Lectures                                |
| _____ | (2) | AT 25300(02) | Instrument Flight   |
| _____ | (3) | AT 25400     | Commercial Flight Lectures                                |
| _____ | (3) | AT 32501     | Advanced Aviation Meteorology                             |
| _____ | (3) | AT 32700     | Advanced Transport Flight Operations                      |
| _____ | (1) | AT 35300     | Multi-engine Flight                                       |
| _____ | (2) | AT 35400     | Turbine Flight Operations Lectures                        |
| _____ | (3) | AT 38800     | Large Aircraft Systems                                    |
| _____ | (1) | AT 39500     | Turbine Aircraft Simulation Laboratory                    |
| _____ | (1) | AT 39600     | Turbine Aircraft Flight Laboratory                        |
| _____ | (2) | AT 41600     | Airline Indoctrination                                    |
| _____ | (2) | AT 47500     | Aviation Law  |
| _____ | (3) | AT 48700     | Transport Aircraft Simulation Laboratory                  |

**Other Departmental /Program Course Requirements (52 credits)**

|       |      |  |
|-------|------|--|
| _____ | (3)  | Humanities Foundational Selective ( <i>satisfies Human Cultures Humanities for core</i> )                              |
| _____ | (3)  | Behavioral/Social Science Foundational Selective ( <i>satisfies Human Culture Behavioral/Social Science for core</i> ) |
| _____ | (3)  | TECH 12000 ( <i>satisfies Information Literacy Selective for core</i> )  |
| _____ | (4)  | PHYS 21800 ( <i>satisfies Science Selective for core</i> )   |
| _____ | (3)  | Science Foundational Selective ( <i>satisfies Science Selective for core</i> )   |
| _____ | (3)  | ENGL 10600 or ENGL 10800 ( <i>satisfies Written Communication for core</i> )   |
| _____ | (3)  | COM 11400 ( <i>satisfies Oral Communication for core</i> )   |
| _____ | (3)  | MA 15800 ( <i>satisfies Quantitative Reasoning Selective for core</i> )  |
| _____ | (3)  | MA 22100 ( <i>satisfies Quantitative Reasoning Selective for core</i> )  |
| _____ | (3)  | Economics Selective  |
| _____ | (3)  | Advanced English Selective   |
| _____ | (3)  | Technical Communications Selective   |
| _____ | (3)  | STAT 30100   |
| _____ | (12) | Any University-approved minor or departmentally-approved thematic area of study  |

**Electives (8 credits)**

|       |     |                       |       |     |       |       |     |       |       |     |       |
|-------|-----|-----------------------|-------|-----|-------|-------|-----|-------|-------|-----|-------|
| _____ | (8) | <b>Free Electives</b> | _____ | ( ) | _____ | _____ | ( ) | _____ | _____ | ( ) | _____ |
| _____ | ( ) | _____                 | _____ | ( ) | _____ | _____ | ( ) | _____ | _____ | ( ) | _____ |

**University Core Requirements**

|  |   |                      |   |   |                           |
|--|---|----------------------|---|---|---------------------------|
| Human Cultures Humanities                | € | <b>UCC Selective</b> | Science, Technology & Society Selective | € | <b>TECH 12000</b>         |
| Human Cultures Behavioral/Social Science | € | <b>UCC Selective</b> | Written Communication                   | € | <b>ENGL 10600 / 10800</b> |
| Information Literacy                     | € | <b>TECH 12000</b>    | Oral Communication                      | € | <b>COM 11400</b>          |
| Science Selective                        | € | <b>PHYS 21800</b>    | Quantitative Reasoning                  | € | <b>MA 15800</b>           |
| Science Selective                        | € | <b>UCC Selective</b> | Quantitative Reasoning                  | € | <b>MA 22100</b>           |

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The student is ultimately responsible for knowing and completing all degree requirements.

Degree Works is knowledge source for specific requirements and completion

Purdue policy states that a student may attempt a course no more than three times. An attempt is defined as all courses displayed on a student transcript having grades of (including, but not limited to) A, B, C, D, E, F, W, WF, I and IF.

Revised 2/2014 (effective Fall 2014)

## Professional Flight Technology (201510)

| FIRST SEMESTER                                 | Prerequisite         | CR        | SECOND SEMESTER                            | Prerequisite | CR        |
|--|----------------------|-----------|--|--------------|-----------|
| AT 10000 - Introduction to Aviation Technology |                      | 1         | AT 10300 - Aerospace Vehicle Propulsion    |              | 3         |
| AT 10200 - Aviation Business                   |                      | 3         | AT 24300(02) - Commercial Flight I         | AT 14500(02) | 2         |
| AT 14400 – Private Pilot Lectures              |                      | 4         | COM 11400 – Fund. of Speech Comm.          |              | 3         |
| AT 14500(02) - Private Pilot Flight            | AT 10100 or AT 14400 | 2         | TECH 12000 - Technology and the Individual |              | 3         |
| MA 15800 – Precalculus                         |                      | 3         | Calculus Selective                         |              | 3         |
| English Composition Selective                  |                      | 3         |  |              |           |
| <b>Total</b>                                   |                      | <b>16</b> | <b>Total</b>                               |              | <b>14</b> |

| THIRD SEMESTER                            | Prerequisite | CR        | FOURTH SEMESTER                       | Prerequisite                        | CR        |
|---|--------------|-----------|---------------------------------------|-------------------------------------|-----------|
| AT 20200 - Aerospace Vehicle Systems      | AT 10100     | 3         | Behavioral / Social Science Selective |                                     | 3         |
| AT 20300 - Aviation Operations Management | AT 10200     | 3         | AT 21100 - Ground Trainer II          | AT 21000                            | 1         |
| AT 21000 - Ground Trainer I               | AT 24300(02) | 1         | AT 25300(02) - Instrument Flight      | AT 21100, AT 24800(02),<br>AT 25400 | 2         |
| AT 22300 - Human Factors for Flight Crews | AT 24300(02) | 3         | AT 25400 - Commercial Flight Lectures | AT 24900                            | 3         |
| AT 24800(02) - Commercial Flight II       | AT 24300(02) | 2         | Thematic Area Selective               |                                     | 3         |
| AT 24900 - Instrument Flight Lectures     | AT 10100     | 3         | Humanities Foundational Selective     |                                     | 3         |
|   |              | <b>15</b> | <b>Total</b>                          |                                     | <b>15</b> |

| FIFTH SEMESTER                               | Prerequisite | CR        | SIXTH SEMESTER                                  | Prerequisite | CR        |
|--|--------------|-----------|---|--------------|-----------|
| AT 35300 - Multiengine Flight                | AT 25300(02) | 1         | AT 32700 - Advanced Transport Flight Operations | AT 25300(02) | 3         |
| AT 35400 - Turbine Flight Operations Lecture | AT 25400     | 2         | AT 38800 - Large Aircraft Systems               | AT 35400     | 3         |
| Thematic Area Selective                      |              | 3         | AT 39500 - Turbine Aircraft Sim Lab             | AT 35300     | 1         |
| PHYS 21800 – General Physics                 |              | 4         | AT 32501 - Aviation Meteorology                 | AT 24900     | 3         |
| Science Foundational Selective               |              | 3         | STAT 30100 – Elem. Statistical Methods          |              | 3         |
| Free Elective                                |              | 1         | AT 47500 – Aviation Law                         |              | 3         |
|  |              | <b>14</b> | <b>Total</b>                                    |              | <b>16</b> |

| SEVENTH SEMESTER                              | Prerequisite       | CR        | EIGHTH SEMESTER                       | Prerequisite                              | CR        |
|---|--------------------|-----------|---------------------------------------|---|-----------|
| AT 39600 - Turbine Aircraft Flight Laboratory | AT 35400, AT 39500 | 1         | AT 41600 - Airline Indoctrination     | AT 48700                                  | 2         |
| Thematic Area Selective                       |                    | 3         | AT 48700 - Transport Aircraft Sim Lab | AT 32700, AT 38800, AT<br>39500, AT 41600 | 2         |
| Economics Selective                           |                    | 3         | AT 49800 – AT Capstone                | Senior Standing                           | 3         |
| Advanced English Selective                    |                    | 3         | Thematic Area Selective               |   | 3         |
| Technical Communication Selective             |                    | 3         | Free Elective                         |   | 4         |
| Free Elective                                 |                    | 3         | Globalization                         |   | 0         |
| <b>Total</b>                                  |                    | <b>16</b> | <b>Total</b>                          |   | <b>14</b> |

**120 semester credits required for Bachelor of Science degree.**

**2.0 Graduation GPA required for Bachelor of Science degree.**

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