

**Bachelor of Science in Aviation  
Study Plan (Fall Start) – Option 1**

**Total Credit Hours: 121**

**First Year (Freshman)**

Fall Semester

| Code    | Title                            | Cr. | Prerequisite |
|---------|----------------------------------|-----|--------------|
| ARL 100 | Communication Skills in Arabic I | 3   | None         |
| ENG 100 | English I                        | 3   | TOEFL 500    |
| ISL 100 | Islamic Culture                  | 3   | None         |
| UNS 102 | University Study Skills          | 1   | None         |
| STT 100 | General Statistics               | 3   | None         |
| ITE 100 | Introduction to IT Applications  | 3   | None         |

**Total Credit Hours 16**

Winter Term

| Code    | Title                             | Cr. | Prerequisite               |
|---------|-----------------------------------|-----|----------------------------|
| ARL 105 | Communication Skills in Arabic II | 3   | ARL 100                    |
| ENG 200 | English II                        | 3   | ENG 100 (C grade), UNS 102 |

**Total Credit Hours 6**

Spring Semester

| Code    | Title                                  | Cr. | Prerequisite             |
|---------|--|-----|--------------------------|
| CRT 301 | Critical Thinking                      | 2   | UNS 102 + ENG 200        |
| PSY 201 | General Psychology                     | 3   | None                     |
| SOC 201 | UAE and GCC Society                    | 3   | None                     |
| NSC 201 | Natural Sciences                       | 3   | None                     |
| MTT 101 | Mathematics for Science and Technology | 3   | MPT or MTG 100 (C grade) |

**Total Credit Hours 15**

Summer A Term

| Code    | Title                                 | Cr. | Prerequisite      |
|---------|---------------------------------------|-----|-------------------|
| ENG 305 | Business and Technical Communications | 3   | ENG 200 (C grade) |
| MGT 200 | Principles of Management              | 3   | ENG 200           |

**Total Credit Hours 6**

**Second Year (Sophomore)**

Fall Semester

| Code    | Title                    | Cr. | Prerequisite     |
|---------|--------------------------|-----|------------------|
| AVS 121 | Private Pilot Operations | 3   | None             |
| PHI 300 | Professional Ethics      | 3   | ENG 200          |
| AVS 211 | Aircraft Engines         | 3   | NSC 201          |
| AVS 254 | Aviation Law             | 3   | SOC 201          |
| AVS 287 | Crew Resource Management | 3   | MGT 200, PSY 201 |

**Total Credit Hours 15**

Winter Term

| Code    | Title                       | Cr. | Prerequisite |
|---------|-----------------------------|-----|--------------|
| AVS 221 | Instrument Pilot Operations | 3   | AVS 121      |
| AVS 289 | Airline Management          | 3   | MGT 200      |

**Total Credit Hours 6**

Spring Semester

| Code    | Title                       | Cr. | Prerequisite     |
|---------|-----------------------------|-----|------------------|
| AVS 231 | Commercial Pilot Operations | 3   | AVS 221          |
| AVS 209 | Aerodynamics                | 3   | NSC 201, MTT 101 |
| AVS 301 | Introduction to Meteorology | 3   | MTT 101, NSC 201 |
| AVS 356 | Systems and Components      | 3   | NSC 201          |
| AVS 357 | Flight Physiology           | 3   | NSC 201, PSY 201 |

**Total Credit Hours 15**

Summer A Term

| Code    | Title                | Cr. | Prerequisite     |
|---------|----------------------|-----|------------------|
| AVS 310 | Aircraft Performance | 3   | AVS 209, AVS 211 |
| OE I    | Open Elective I      | 3   | -                |

**Total Credit Hours 6**

**Third Year (Junior)**

Fall Semester

| Code                      | Title   | Cr.       | Prerequisite     |
|---------------------------|---|-----------|------------------|
| AVS 415                   | Airport Operations                                | 3         | None             |
| AVS 408                   | Flight Safety                                     | 3         | 80 Credit Hours  |
| AVS 401                   | Aviation Weather                                  | 3         | AVS 301          |
| AVS 350                   | Flight Navigation                                 | 3         | AVS 310, AVS 221 |
| AVS 380                   | Pilot Career Planning and Interviewing Techniques | 2         | 60 Credit Hours  |
| <b>Total Credit Hours</b> |   | <b>14</b> |                  |

Spring Semester

| Code                      | Title                                 | Cr.       | Prerequisite |
|---------------------------|---------------------------------------|-----------|--------------|
| AVS 435                   | Electronic Flight Management System   | 3         | AVS 310      |
| AVS 472                   | Aviation Science of Multi-Crew Flight | 3         | AVS 287      |
| AVS 411                   | Operations<br>Jet Transport Systems   | 3         | AVS 356      |
| AVS 410                   | Air Traffic Management                | 3         | MGT 200      |
| OE II                     | Open Elective II                      | 3         |              |
| <b>Total Credit Hours</b> |                                       | <b>15</b> |              |

Summer A Term

| Code                      | Title            | Cr.      | Prerequisite     |
|---------------------------|------------------|----------|------------------|
| PFT 121                   | Flight Lessons I | 2        | 113 Credit Hours |
| <b>Total Credit Hours</b> |                  | <b>2</b> |                  |

**Fourth Year (Senior)**

Fall Semester

| Code                      | Title             | Cr.      | Prerequisite |
|---------------------------|-------------------|----------|--------------|
| PFT 221                   | Flight Lessons II | 2        | PFT 121      |
| <b>Total Credit Hours</b> |                   | <b>2</b> |              |

Spring Term

| Code                      | Title              | Cr.      | Prerequisite |
|---------------------------|--------------------|----------|--------------|
| PFT 321                   | Flight Lessons III | 2        | PFT 221      |
| <b>Total Credit Hours</b> |                    | <b>2</b> |              |

Summer A Term

| Code                      | Title             | Cr.      | Prerequisite |
|---------------------------|-------------------|----------|--------------|
| PFT 421                   | Flight Lessons IV | 2        | PFT 321      |
| <b>Total Credit Hours</b> |                   | <b>2</b> |              |