**Student Information**

Name: __________________________ OSU Email: __________________________

**Suggested Curriculum**

This should be used as a guide only. Semester offerings are subject to change.

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<tr>
<th>Year</th>
<th>Autumn</th>
<th>Spring</th>
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<tbody>
<tr>
<td>1</td>
<td><strong>ENGR 1100.02 (Engineering Survey)</strong> ........................................</td>
<td><strong>GENED 1201 (Launch Seminar)</strong> .....................................................................</td>
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<td><strong>MATH 1151 (Calculus 1)</strong> .............................................................</td>
<td><strong>MATH 1172 (Engineering Math A)</strong> ..................................................................</td>
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<td><strong>ENGR1181 (Fundamentals of ENGR 1)</strong> ............................................</td>
<td><strong>ENGR 1182 (Fundamentals of ENGR 2)</strong> .......................................................</td>
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<td><strong>AVIATN 2100 (Private Pilot Fndmts)</strong> *........................................</td>
<td><strong>PHYSICS 1250 (Physics 1)</strong> .........................................................................</td>
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<td><strong>AVIATN 2000 (Intro to Aviation)</strong> ................................................</td>
<td><strong>ENGLISH 1110 (First-Year English Comp)</strong> ..................................................</td>
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<td>2</td>
<td><strong>AVIATN 2200 (Avn Org Anly &amp; Writing)</strong> .........................................</td>
<td><strong>AVIATN 3000 (Avn Mgmnt &amp; Mkting)</strong> .............................................................</td>
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<td><strong>AVIATN 2300 (Arctf Performance &amp; Wx)</strong> ..........................................</td>
<td><strong>AVIATN 3200 (Avn Regulations &amp; Policy)</strong> ...................................................</td>
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<td><strong>AVIATN 3300 (Avn Hmn Fctrs &amp; Safety)</strong> ..........................................</td>
<td><strong>AVIATN 4500 (Aviation Capstone)</strong> ................................................................</td>
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<td><strong>AVIATN Elective</strong> ..............................................................................</td>
<td><strong>GENED 4001 (Reflection Seminar)</strong> ................................................................</td>
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Total Hours to complete the degree program = 124

**Program Options**

Courses printed in BOLD are required Aviation Core courses.

*Students who wish to fly may apply to pursue Professional Pilot Certification (PPC). Due to the high demand for PPC, this is a competitive specialization, and opportunity to fly is not guaranteed. If accepted for PPC, the schedule for someone with PPC will differ substantially from the one shown above as Aviation Electives are replaced with lectures and labs in Flight Education. Additionally, time to degree will increase; students with PPC typically require anywhere from 4.5 to 6 years to graduate instead of 4 years. For information on how to apply for PPC and for a sample schedule that includes PPC, please contact your academic advisor.

**Acceptance Criteria:** Students begin the Aviation program as a pre-major. To be accepted into the Aviation major, students must pass the following courses and have a cumulative point hour ratio (CPHR) of at least 2.0: ENGR 1100.02, AVIATN 2000, AVIATN 2100, MATH 1151, MATH 1172 or 1152, PHYS 1250, ENGR 1181, ENGR 1182, and ENGLISH 1110.
### Aviation and Technical Electives

**Aviation – Choose at least 12 hours**

- (3 hr) AVIATN 2400 (Fundamentals in Unmanned Aircraft Systems)
- (3 hr) AVIATN 2401 (UAS Ground and Flight Operations)
- (3 hr) AVIATN 2900 (Fundamentals of Air Traffic Control)
- (2-5 hr) AVIATN 3193 (Individual Studies in Aviation)
- (2-5 hr) AVIATN 3194 (Group Studies in Aviation)
- (3 hr) AVIATN 3400 (Air Accident Investigation)
- (3 hr) AVIATN 3600 (Business & Corporate Aviation)
- (3 hr) AVIATN 3700 (Building a Diverse Workforce in AVN)
- (3 hr) AVIATN 4000 (Air Transportation Analysis)
- (3 hr) AVIATN 4200 (Aircraft Dispatch Fundamentals)
- (3 hr) AVIATN 4201 (Air Transportation Analysis II)
- (2-5 hr) AVIATN 5193 (Individual Studies in Aviation)
- (2-5 hr) AVIATN 5194 (Group Studies in Aviation)
- (3 hr) AVIATN 5300 (Airport Design and Development)

**Technical - Choose at least 27 hours**

- (4 hr) AAE 2200 (Intro to Aero Eng 1)
- (3 hr) CSE 1222 (Intro to Comp Prog in C++ for E&S)
- (3 hr) CSE 1223 (Intro to Comp Prog in Java)
- (3 hr) CSE 1224 (Intro to Comp Prog in Python)
- (5 hr) PHYS 1251 (E&M, Optics, Modern Physics)
- (4-5 hr) CHEM 1210 or 1220 or 1250 (General Chemistry)
- (2 hr) ISE 2040 (Engineering Economics)
- (2 hr) MECHENG 2010 (Statics)
- (2 hr) MECHENG 2020 (Dynamics)
- (4 hr) MECHENG 2040 (Statics & Intro to Mech of Mat)
- (3 hr) NAVALSC 3110 (Naval Ship Systems)
- (3 hr) NAVALSC 3210 (Naval Mission Systems)
- (varies) AVIATN 2000+
- (varies) CSE 2000+
- (varies) MATH 2000+
- (varies) STAT 2000+

### General Education Requirement:

For students admitted to OSU (any program) starting Autumn 2022:

- (1 hr) GENED 1201 Launch Seminar
- (22-25 hr combined) Foundations
  - (3-5 hr) Race, Ethnicity, and Gender Diversity
  - (3-5 hr) Social and Behavioral Sciences
  - (3-5 hr) Historical and Cultural Studies
  - ✓ (3-5 hr) Writing and Information Literacy
    - This is fulfilled by ENGLISH 1110.
  - (3-5 hr) Literary, Visual, and Performing Arts
  - ✓ (3-5 hr) Natural Sciences
    - This is fulfilled by PHYS 1250.
  - ✓ (3-5 hr) Mathematical and Quantitative Reasoning
    - This is fulfilled by MATH 1151.
- (8-12 hr combined) Themes
  - (4-6) Citizenship for a Diverse and Just World
    and choose one of the following:
    - Health and Well-Being
    - Sustainability
    - Lived Environments
    - Traditions, Cultures, and Transformations
    - Number, Nature, Mind
    - Origins and Evolution
    - Migration, Mobility, and Immobility
    - [more in development]
- (1 hr) GENED 4001 Reflection Seminar

For students admitted to OSU (any program) before Autumn 2022:

- ✓ (3 hr) Writing and Communication Level 1
  - This is fulfilled by ENGLISH 1110.
- (3 hr) Writing and Communication Level 2
- (3 hr) Social Science – Must be from a distinct subgroup.
- (3 hr) Social Science – Must be from a distinct subgroup.
- (3 hr) Literature
- (3 hr) Visual and Performing Arts
- (3 hr) Historical Study
- (3 hr) Cultures and Ideas or Second Historical Study
  or Foreign Language through 1103
- (0-3 hr) Diversity – May be cross-listed with another category.
- (0-3 hr) Ethics – May be cross-listed with another category.