# 2023 - 2024 Major Map

Aeronautical Management Technology (Professional Flight), BS

School/College: Ira A. Fulton Schools of Engineering

<table>
<thead>
<tr>
<th>Term 1 0 - 14 Credit Hours Critical course signified by 1</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMT 182: Private Pilot Ground School</td>
<td>3</td>
<td>C</td>
<td></td>
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<tr>
<td>AMT 220: Aviation Meteorology</td>
<td>3</td>
<td>C</td>
<td></td>
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<tr>
<td>ASU 101-TPS: The ASU Experience</td>
<td>1</td>
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<tr>
<td>AMT 105: Flight Operations and Safety I</td>
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<tr>
<td>ENG 101 or ENG 102: First-Year Composition OR</td>
<td>3</td>
<td>C</td>
<td></td>
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<tr>
<td>ENG 105: Advanced First-Year Composition OR</td>
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<td></td>
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<tr>
<td>ENG 107 or ENG 108: First-Year Composition</td>
<td></td>
<td></td>
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<tr>
<td>MAT 170: Precalculus (MA)</td>
<td>3</td>
<td>C</td>
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<tr>
<td><strong>Milestone</strong>: Complete secondary admission materials.</td>
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Term hours subtotal: 14

<table>
<thead>
<tr>
<th>Term 2 14 - 28 Credit Hours Critical course signified by 1</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSE 101: Introduction to Human Systems Engineering (SB) OR</td>
<td>3</td>
<td>C</td>
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<tr>
<td>PSY 101: Introduction to Psychology (SB)</td>
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<tr>
<td>AMT 110: Flight Operations and Safety II</td>
<td>1</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>ENG 101 or ENG 102: First-Year Composition OR</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>ENG 105: Advanced First-Year Composition OR</td>
<td></td>
<td></td>
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<tr>
<td>ENG 107 or ENG 108: First-Year Composition</td>
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<tr>
<td>PHY 111: General Physics (SQ)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>PHY 113: General Physics Laboratory (SQ)</td>
<td>1</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td><strong>Complete ENG 101 OR ENG 105 OR ENG 107 course(s).</strong></td>
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</tbody>
</table>

Term hours subtotal: 14

<table>
<thead>
<tr>
<th>Term 3 28 - 43 Credit Hours Critical course signified by 1</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMT 222: Instrument Pilot Ground School</td>
<td>3</td>
<td>C</td>
<td></td>
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<tr>
<td>AMT 150: Flight Operations and Safety III</td>
<td>1</td>
<td>C</td>
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<tr>
<td>AMT 201: Air Traffic Control</td>
<td>1</td>
<td>C</td>
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<tr>
<td>AMT 280: Aerospace Structures, Materials and Systems</td>
<td>4</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>PHY 112: General Physics (SQ)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHY 114: General Physics Laboratory (SQ)</td>
<td>1</td>
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<tr>
<td><strong>Complete MAT 170 course(s).</strong></td>
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</tbody>
</table>

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

* Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.
* Professional Flight students are encouraged to continue to progress in flight courses over the summer session.
* Create a Handshake profile.
* Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.

* Complete Professional Flight Secondary Application.
* ASU 101 is required of all first-year students.
* Prep for success using the First-Year Student Guide.
* Join a Fulton community.
* Explore engineering and technical professions.
Term 4 43 - 55 Credit Hours Critical course signified by ✱ Hours Minimum Grade Notes

AMT 214: Commercial Pilot Ground School 3 C
AMT 205: Flight Operations and Safety IV 1 C
AMT 286: Multiengine Pilot Ground School 1 C
AMT 287: Aircraft Powerplants 4 C

Literacy and Critical Inquiry (L)

Term hours subtotal: 12

Professional Flight students are encouraged to continue to progress in flight courses over the summer session.
Pursue an undergraduate research experience.
Apply for internships.
Attend career fairs and events.

Term 5 55 - 72 Credit Hours Necessary course signified by ★ Hours Minimum Grade Notes

★ AMT 308: Air Transportation (G) 3 C
★ AMT 210: Flight Operations and Safety V 1 C
★ AMT 285: Flight Instructor Ground School 3 C
★ AMT 350: Aircraft Design and Logistics Management 4 C

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) Historical Awareness (H)
HST 319

Term hours subtotal: 17

Plan for success using the Junior Guide.
Network at student organization competitions or professional societies.

Term 6 72 - 86 Credit Hours Necessary course signified by ★ Hours Minimum Grade Notes

★ AMT 382: Air Navigation 3 C
★ AMT 250: Flight Operations and Safety VI 1 C
★ AMT 292: Flight Instructor Instrument Ground School 3 C
★ AMT 396: Aviation Professional 1 C
★ AMT 442: Aviation Law and Regulations 3 C
★ AMT 444: Airport Management and Planning 3 C

Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 14

Professional Flight students are encouraged to continue to progress in flight courses over the summer session.
Research and prepare for graduate school.
Apply for a Fulton Schools 4+1 program.
Develop a professional profile online.

Term 7 86 - 102 Credit Hours Necessary course signified by ★ Hours Minimum Grade Notes

★ AMT 482: Airline Instrument Procedures 3 C
★ AMT 486: Regional Jet Aircraft Systems 3 C
★ AMT 305: Flight Operations and Safety VII 1 C
★ AMT 360: Aircraft Dispatch Ground School 3 C
★ AMT 408: National Aviation Policy 3 C
★ Humanities, Arts and Design (HU)

Term hours subtotal: 16

Plan for success using the Senior Guide.
Use Handshake to apply for full-time positions.
Complete an in person or virtual practice interview.

Term 8 102 - 120 Credit Hours Necessary course signified by ★ Hours Minimum Grade Notes

★ AMT 490: Regional Jet Operations Capstone 3 C
★ AMT 410: Aviation Safety and Human Factors 3 C
★ AMT 484: Internship 2 C
★ AMT 489: Airline Administration 3 C
★ Upper Division Literacy and Critical Inquiry (L)
★ Social-Behavioral Sciences (SB)

Term hours subtotal: 3
First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU’s first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

Mathematics Placement Assessment score determines placement in first mathematics course.

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**General University Requirements Legend**

**General Studies Core Requirements:**
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

**General Studies Awareness Requirements:**
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

**First-Year Composition**

General Studies designations listed next to courses on the major map were valid for the 2023-2024 academic year. Please refer to the course catalog for current General Studies designations at time of class registration. General Studies credit is applied according to the designation the course carries at the time the class is taken.