## 2023 - 2024 Major Map
### Aeronautical Management Technology (Air Transportation Management), BS

**School/College:** Ira A. Fulton Schools of Engineering  
**TSAMTMBS**

### Term 1 - 13 Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
</table>
| AMT 182:  | Private Pilot Ground School | 3 | C | • 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. |
| ASU 101-TPS: The ASU Experience | 1 | | |
| AMT 220: Aviation Meteorology | 3 | C | |
| ENG 101: First-Year Composition | 3 | C | |
| MAT 170: Pre-calculus (MA) | 3 | C | |

**Term hours subtotal:** 13

### Term 2 - 13 - 29 Credit Hours

<table>
<thead>
<tr>
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<th>Minimum Grade</th>
<th>Notes</th>
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</thead>
</table>
| HSE 101:  | Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.  
• Create a Handshake profile.  
• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| AMT 201:  | Air Traffic Control | 3 | C | |
| ENG 101:  | First-Year Composition OR ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition | 3 | C | |
| PHY 111:  | General Physics (SQ) | 3 | C | |
| PHY 113:  | General Physics Laboratory (SQ) | 1 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |

**Term hours subtotal:** 16

### Term 3 - 29 - 43 Credit Hours

<table>
<thead>
<tr>
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<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
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</thead>
</table>
| TMC 110:  | Understanding the Enterprise | 3 | C | • Please note that both PHY 112 and PHY 114 must be taken to secure SQ General Studies credit.  
• Prep for success using the Sophomore Guide. |
| AMT 280:  | Aerospace Structures, Materials and Systems | 4 | C | |
| PHY 112:  | General Physics (SQ) | 3 | | |
| PHY 114:  | General Physics Laboratory (SQ) | 1 | | |
| Social-Behavioral Sciences (SB) | 3 | | |

**Complete MAT 170 course(s).**  
**Complete Mathematics (MA) requirement.**

**Term hours subtotal:** 14

### Term 4 - 43 - 58 Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMC 110:</td>
<td>Understanding the Enterprise</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>AMT 280:</td>
<td>Aerospace Structures, Materials and Systems</td>
<td>4</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>PHY 112:</td>
<td>General Physics (SQ)</td>
<td>3</td>
<td></td>
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</table>
Pursue an undergraduate research experience.
Apply for internships.
Attend career fairs and events.

Term hours subtotal: 15

Term 5 58 - 74 Credit Hours Necessary course signified by ⭐ Hours Minimum Grade Notes

- TMC 330: Leading the Enterprise 3 C
- AMT 308: Air Transportation (G) 3 C
- AMT 350: Aircraft Design and Logistics Management 4 C
- AMT 442: Aviation Law and Regulations 3 C
- Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H) (HST 319 recommended) 3

Term hours subtotal: 16

Term 6 74 - 90 Credit Hours Necessary course signified by ⭐ Hours Minimum Grade Notes

- TMC 310: Promotion of the Enterprise 3 C
- AMT 396: Aviation Professional 1 C
- TMC 410: Enterprise Operations 3
- Upper Division Literacy and Critical Inquiry (L) 3
- Humanities, Arts and Design (HU) 3
- Elective 3
- Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 16

Term 7 90 - 105 Credit Hours Necessary course signified by ⭐ Hours Minimum Grade Notes

- AMT 408: National Aviation Policy 3 C
- AMT 410: Aviation Safety and Human Factors 3 C
- AMT 444: Airport Management and Planning 3 C
- OMT 343: Occupational Safety and Ergonomics OR OMT 430: Ethical Issues in Technology OR OMT 440: International Business (G) OR OMT 452: Industrial Human Resource Management OR OMT 480: Organizational Effectiveness 3
- TMC 430: Enterprise Strategy and Innovation 3

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ⭐ Hours Minimum Grade Notes

- AMT 491: Aviation Management Capstone 3 C
- AMT 456: Organized Labor in Aviation 3 C
- AMT 484: Internship 3 C
- AMT 489: Airline Administration 3 C
- TMC 470: Enterprise Planning and Implementation 3

Term hours subtotal: 15
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.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

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.