















## 2024 - 2025 Major Map

### Aeronautical Management Technology (Professional Flight), BS

School/College: [Ira A. Fulton Schools of Engineering](#)  
TSAMTFBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 182: Private Pilot Ground School	3	C	<ul style="list-style-type: none"> <li>• Complete <b>Professional Flight Secondary Application</b>.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>• Prep for success using the <b>First-Year Student Guide</b>.</li> <li>• Join a <b>Fulton community</b>.</li> <li>• Explore <b>engineering and technical professions</b>.</li> </ul>
 AMT 220: Aviation Meteorology	3	C	
 ASU 101-TPS: The ASU Experience	1		
AMT 105: Flight Operations and Safety I	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MATH OR MA)	3	C	
 Milestone: Complete secondary admission materials.			
Term hours subtotal:	14		
Term 2 14 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HSE 101: Introduction to Human Systems Engineering (SOBE OR SB) OR PSY 101: Introduction to Psychology (SOBE OR SB)	3	C	<ul style="list-style-type: none"> <li>• Professional Flight students are encouraged to continue to progress in flight courses over the summer session.</li> <li>• Create a <b>Handshake</b> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <b>Fulton Start-Up Center</b>.</li> </ul>
AMT 110: Flight Operations and Safety II	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 111: General Physics (SCIT OR SQ)	3	C	
PHY 113: General Physics Laboratory (SCIT OR SQ)	1	C	
Humanities, Arts and Design (HUAD)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 28 - 43 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 222: Instrument Pilot Ground School	3	C	<ul style="list-style-type: none"> <li>• Completion of Private Pilot License is required to enroll in AMT 222 for Aeronautical Management Technology (Professional Flight) majors.</li> <li>• Prep for success using the <b>Sophomore Guide</b>.</li> </ul>
AMT 150: Flight Operations and Safety III	1	C	
AMT 201: Air Traffic Control	3	C	
AMT 280: Aerospace Structures, Materials and Systems	4	C	
Scientific Thinking in Natural Sciences (SCIT)	4		
 Complete MAT 170 course(s).			
 Complete Mathematics (MATH) requirement.			
Term hours subtotal:	15		
Term 4 43 - 58 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
Governance and Civic Engagement (CIVI)	3	
Sustainability (SUST)	3	
Term hours subtotal:	15	

- 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 58 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 308: Air Transportation (GCSI OR 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	
HSE 230: Statistics for Human Systems Research I (QTRS OR CS) OR PSY 230: Introduction to Statistics (QTRS OR CS) OR STP 226: Elements of Statistics (QTRS OR CS)	3		
Humanities, Arts and Design (HUAD) (HST 319 recommended)	3		
Term hours subtotal:	17		

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

Term 6 75 - 89 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	
Term hours subtotal:	14		

- Completion of Instrument Rating is required to enroll in AMT 382. AMT 382 begins a three semester sequence of courses: (1) AMT 382, then (2) AMT 482 and AMT 486, then (3) AMT 490.
- 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 89 - 105 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	
Upper Division Elective	3		
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 8 105 - 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 OR Upper Division Technical Elective	2		
AMT 489: Airline Administration	3	C	
American Institutions (AMIT)	3		
Upper Division Elective ( AMT 310 recommended)	1		
Term hours subtotal:	15		

- AMT 490 requires a \$5,000.00 course fee.

Hide Course List(s)/Track Group(s)

Technical Elective

AMT Upper Division Elective

ATC Upper Division Elective

HSE Upper Division Elective

OGL Upper Division Elective

OMT Upper Division Elective

TEM Upper Division Elective

TMC Upper Division Elective

- **Total Hours:** 120
- **Upper Division Hours:** 45 minimum
- **University Undergraduate Graduation Requirements**

**Notes:**

Mathematics Placement Assessment score determines placement in first mathematics course.

General Studies designations listed next to courses on the major map were valid for the 2024 - 2025 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.