












2024 - 2025 Major Map

Aeronautical Management Technology (Air Traffic Management), BS

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

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 182: Private Pilot Ground School	3	C	<ul style="list-style-type: none"> ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Prep for success using the First-Year Student Guide. Join a Fulton community. Complete the Federal Aviation Administration Requirement to Advise Students form.
 ASU 101-TPS: The ASU Experience	1		
AMT 220: Aviation Meteorology	3	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	
Term hours subtotal:	13		
Term 2 13 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 201: Air Traffic Control	3	C	<ul style="list-style-type: none"> Create a Handshake profile. Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
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	
HSE 101: Introduction to Human Systems Engineering (SOBE OR SB) OR PSY 101: Introduction to Psychology (SOBE OR SB)	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:	16		
Term 3 29 - 43 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ATC 230: Fundamentals of Air Traffic Management	3	C	<ul style="list-style-type: none"> Prep for success using the Sophomore Guide.
AMT 222: Instrument Pilot Ground School	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:	14		
Term 4 43 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 214: Commercial Pilot Ground School	3	C	<ul style="list-style-type: none"> Pursue an undergraduate research experience. Apply for internships. Attend career fairs and events.
AMT 287: Aircraft Powerplants	4	C	

HSE 230: Statistics for Human Systems Research I (QTRS OR CS) 3
OR PSY 230: Introduction to Statistics (QTRS OR CS) OR STP 226:
Elements of Statistics (QTRS OR CS)

Governance and Civic Engagement (CIVI) 3

Sustainability (SUST) 3

📌 Complete AMT 222 course(s).

Term hours subtotal: 16

Term 5 59 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 360: Aircraft Dispatch Ground School	3	C	<ul style="list-style-type: none"> • Network at student organization competitions or professional societies. • Plan for success using the Junior Guide.
AMT 308: Air Transportation (GCSI OR G)	3	C	
AMT 350: Aircraft Design and Logistics Management	4	C	
ATC 331: Tower Operations	3	C	
Humanities, Arts and Design (HUAD) (HST 319 recommended)	3		
Term hours subtotal:	16		

Term 6 75 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 460: Aircraft Dispatch Capstone	3	C	<ul style="list-style-type: none"> • Research and prepare for graduate school. • Apply for a Fulton Schools 4+1 program. • Develop a professional profile online.
AMT 396: Aviation Professional	1	C	
AMT 408: National Aviation Policy	3	C	
AMT 442: Aviation Law and Regulations	3	C	
ATC 332: TRACON Operations	3	C	
ATC 431: Tower Operations and Procedures	3	C	
Term hours subtotal:	16		

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ATC 333: En Route Operations	3	C	<ul style="list-style-type: none"> • Plan for success using the Senior Guide. • Use Handshake to apply for full-time positions. • Complete an in person or virtual practice interview.
AMT 410: Aviation Safety and Human Factors	3	C	
ATC 432: TRACON Operations and Procedures	3	C	
ATC 484: Internship	3	C	
Elective	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ATC 491: Air Traffic Management Capstone	3	C	
AMT 444: Airport Management and Planning	3	C	
ATC 433: En Route Operations and Procedures	3	C	
American Institutions (AMIT)	3		
Elective	2		
Term hours subtotal:	14		

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

- **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.