













## 2024 - 2025 Major Map

### Aeronautical Management Technology (Unmanned Aerial Systems), **BS**

School/College: Ira A. Fulton Schools of Engineering  
TSAMTUASBS

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AMT 182: Private Pilot Ground School	3	C	<ul style="list-style-type: none"> <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>
 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 <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AMT 170: Introduction to Unmanned Aircraft Systems	3	C	<ul style="list-style-type: none"> <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>
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 <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AMT 270: Unmanned Aircraft	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <b>Sophomore Guide</b>.</li> </ul>
AMT 280: Aerospace Structures, Materials and Systems	4	C	
Scientific Thinking in Natural Sciences (SCIT)	4		
Sustainability (SUST)	3		
 Complete MAT 170 course(s).			
 Complete Mathematics (MATH) requirement.			
Term hours subtotal:	14		
Term 4 43 - 59 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AMT 201: Air Traffic Control	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
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

Elective 3

Term hours subtotal: 16

Term 5 59 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
---	-------	---------------	-------

★ AMT 308: Air Transportation (GCSI OR G) 3 C

AMT 350: Aircraft Design and Logistics Management 4 C

American Institutions (AMIT) 3

Complete 2 courses:

Upper Division Elective 6

Term hours subtotal: 16

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

Term 6 75 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
---	-------	---------------	-------

★ AMT 370: Unmanned Aircraft Systems 3 C

AMT 396: Aviation Professional 1 C

AMT 442: Aviation Law and Regulations 3 C

AMT 444: Airport Management and Planning 3 C

Humanities, Arts and Design (HUAD) (HST 319 recommended) 3

Upper Division Elective 3

Term hours subtotal: 16

- Research and prepare for **graduate school**.
- Apply for a **Fulton Schools 4+1 program**.
- Develop a **professional profile online**.

Term 7 91 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
--	-------	---------------	-------

★ AMT 470: Unmanned Aircraft Payloads, Sensors, and Control Stations 3 C

AMT 408: National Aviation Policy 3 C

AMT 456: Organized Labor in Aviation 3 C

Upper Division Elective ( EDP 310 recommended) 1

Elective 3

Term hours subtotal: 13

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

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
---	-------	---------------	-------

★ AMT 495: Unmanned Aircraft Systems Operations 3 C

AMT 410: Aviation Safety and Human Factors 3 C

AMT 484: Internship OR Technical Elective 3

AMT 489: Airline Administration 3 C

Elective 4

Term hours subtotal: 16

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

Technical Elective

AMT Elective

ATC Elective

HSE Elective

OGL Elective

---

OMT Elective

---

TEM Elective

---

TMC 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.