









2019 - 2020 Major Map





Aeronautical Management Technology (Professional Flight), BS

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

Complete Professional Flight Secondary Application.

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 105: Flight Operations and Safety I	1	C	<ul style="list-style-type: none"> ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students. An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses Mathematics Placement Assessment score determines placement in mathematics course Prep for success using the Freshman Guide. Join a Fulton community. Explore engineering and technical professions.
 AMT 182: Private Pilot Ground School	3	C	
 AMT 220: Aviation Meteorology	3	C	
 ASU 101-TPS: The ASU Experience	1		
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 (MA)	3	C	
Term hours subtotal:	14		

Term 2 14 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 110: Flight Operations and Safety II	1	C	<ul style="list-style-type: none"> 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.
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 (SB) OR PSY 101: Introduction to Psychology (SB)	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		
 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 150: Flight Operations and Safety III	1	C	<ul style="list-style-type: none"> 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. Consult the Resume, Presentation, and Resource Library for tips on how to create
 AMT 222: Instrument Pilot Ground School	3	C	
AMT 201: Air Traffic Control	3	C	
AMT 280: Aerospace Structures, Materials and Systems	4	C	
PHY 112: General Physics (SQ)	3		
PHY 114: General Physics Laboratory (SQ)	1		
 Complete MAT 170 course(s).			

Term hours subtotal: 15

a technical resume, job shadow, do informational interviews and mentor with alumni.

Term 4 43 - 55 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 AMT 205: Flight Operations and Safety IV	1	C	<ul style="list-style-type: none"> 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.
🚩 AMT 214: Commercial Pilot Ground School	3	C	
AMT 286: Multiengine Pilot Ground School	1	C	
AMT 287: Aircraft Powerplants	4	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	12		

Term 5 55 - 72 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 210: Flight Operations and Safety V	1	C	<ul style="list-style-type: none"> Plan for success using the Junior Guide. Network at student organization competitions or professional societies.
★ AMT 308: Air Transportation (G)	3	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 (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	17		

Term 6 72 - 86 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 250: Flight Operations and Safety VI	1	C	<ul style="list-style-type: none"> 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.
★ AMT 382: Air Navigation	3	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		

Term 7 86 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 305: Flight Operations and Safety VII	1	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 482: Airline Instrument Procedures	3	C	
★ AMT 486: Regional Jet Aircraft Systems	3	C	
AMT 360: Aircraft Dispatch Ground School	3	C	
AMT 408: National Aviation Policy	3	C	
Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 8 102 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 490: Regional Jet Operations Capstone	3	C	
AMT 310: Flight Operations and Safety VIII OR Elective	1	C	
AMT 410: Aviation Safety and Human Factors	3	C	

AMT 484: Internship	2	C
AMT 489: Airline Administration	3	C
Social-Behavioral Sciences (SB)	3	
Upper Division Literacy and Critical Inquiry (L)	3	
Term hours subtotal:	18	

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

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 2019 - 2020 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.