

**College of Basic and Applied Sciences
Upper Division Form 2019-2020 Catalog**

Student name _____ Student # _____

Major **AEROSPACE** Minor _____

Concentration **FLIGHT DISPATCH** E-mail _____

Instructions: For students graduating in Summer 2019 or later. *One (1) copy signed by major and minor advisors should be filed in DSB 120 three semesters before anticipated graduation. An Intent to Graduate form must also be filed in DSB 120 at the time of Upper Division Form submission.*

General Education	Course	Semester	Grade	Notes	Credit Hours
COMMUNICATION (9 hours)	ENGL 1010				3
	ENGL 1020			Preq ENGL 1010 with a C- or better	3
	COMM 2200				3
HISTORY (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030					3
					3
HUMANITIES AND/OR FINE ARTS (9 hours) Choose one: ENGL 2020, 2030 or HUM 2610. Choose two with different rubrics: ANTH 2210, ART 1030, ART 1920, DANC 1000, HIST 1010, 1020, 1110, or 1120, MUS 1030, PHIL 1030, THEA 1030				Preq ENGL 1010/1020	3
					3
					3
MATHEMATICS (3 hours) Choose one: MATH 1010, 1530, 1630, 1710 , 1720, 1730, 1810, 1910	MATH 1710			MATH 1710 required for major	3
NATURAL SCIENCES (8 hours) Choose two different subjects: ASTR 1030/1031, BIOL 1030/1031, BIOL 1110/1111, BIOL 2010/2011, BIOL 2020/2021, CHEM 1010/1011 , CHEM 1030/1031, CHEM 1110/1111, GEOL 1030/1031, GEOL 1040/1041, PGeo 1030, PHYS 1110, PHYS 2010/2011 , PHYS 2110/2111, PSCI 1030/1031, PSCI 1130/1131	CHEM 1010 / 1011			CHEM 1010/1011 required for major	4
	PHYS 2010 / 2011			PHYS 2010/2011 required for major; Preq MATH 1710 with a "C" or better	4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two different subjects: AAS 2100, ANTH 2010, ECON 2410, ECON 2420, GEOG 2000 , GS 2010, HLTH 1530 /1531, JOUR / EMC / RI M1020, PS 1010 or 1005, PSY 1410 , RS 2030, SOC 1010, SOC 2010, WGST 2100.				GEOG 2000 <u>OR</u> PSY 1410 required	3
					3
Hours Required					41

Major Courses (2.0 GPA required)	Course	Semester	Grade	Notes	Credit Hours
Introduction to Aerospace	AERO 1010				3
Theory of Flight	AERO 1020			Lab fee required	3
Aviation Laws and Regulations	AERO 1230				3
Aviation Weather	AERO 2010			MUST be taken on-ground	3
Professional Pilot I	AERO 2230				3
Aerospace Materials	AERO 3020			Preq AERO 1010, 1020 & MATH 1810 or 1530 or 1910	3
Propulsion Fundamentals	AERO 3030			Preq AERO 1010, 1020	3
Aviation Weather II	AERO 3080			Preq AERO 2010 spring only	3
Aviation Safety	AERO 3170			Preq AERO 1020	3
Crew Resource Management	AERO 3230				3
Professional Pilot II <u>OR</u> Instrument Operations in the National Airspace System	AERO 3210 OR AERO 3510			Coreq AERO 2010; Preq AERO 2010, 2230/2201, 3203; Pvt Cert required	3
Aerospace Senior Capstone lab	AERO 4040			Preq 90 or more credit hours	1
Introduction to Air Traffic Control and Lab	AERO 3630/3631			Must take Junior Fall. Fall only Preq AERO 1010, 1020, 1230, 2010, 2230, 3210 or 3510; Lab fee required POD required	4
Flight Dispatch/ATP Written Preparation	AERO 4580			Preq AERO 1230, 3080, 3210 or 3510, 3630/3631 fall only POD required	3
Flight Dispatch	AERO 4590			Preq AERO 4580 spring only POD required	3
Hours Required					44

Supporting and Elective Courses	Course	Semester	Grade	Notes	Credit Hours
CSCI 1150 or INFS 2200 or INFS 3100					3
GEOG or GEOL elective; must be taken at 3000/4000 level					3
MATH 1710	MATH 1710			Credits count in general education	0
MATH 1810	MATH 1810			Preq MATH 1710	3
MGMT 3610	MGMT 3610				3
Choose one: MGMT 3810, MGMT 3890, MGMT 4490, MGMT 4510					3
CHEM 1010/1011				Credits count in general education	0
PHYS 2010/2011				Credits count in general education	0
GEOG 2000 OR PSY 1410				Credits count in general education	0
Electives: <i>needed only if completing an 18 credit minor outside of Aerospace</i>				SEE ADVISOR	2
Electives: <i>needed only if completing a 15 credit hour minor outside of Aerospace</i>				SEE ADVISOR	5
Electives: <i>needed only if completing Air Traffic Control minor</i>				SEE ADVISOR	8

Hours Required 15-17

Minor – to be chosen from Geography/Geology, Computer Science, Information Systems, or other science or business related field- must have Program Coordinator's approval.

Minor Courses (2.0 GPA required)	Course	Semester	Grade	Notes	Credit Hours
					3
					3
					3
					3
					3
					3

Hours Required 15-18

Signed:		Date
	Minor Advisor	

OPTIONAL MINOR AIR TRAFFIC CONTROL (44 Paperwork required for entrance to CTI program)

Minor Courses	Course	Semester	Grade	Notes	Credit Hours
Introduction to Air Traffic Control	AERO 3630			Pre-reqs: AERO 1010, 1020, 1230, 2010, 2230, 3510	3
Introduction to Air Traffic Control Lab	AERO 3631			Co-req for AERO 3630, Fee required	1
Air Traffic Control-Tower Operations	AERO 3640			Pre-req: AERO 3630/3631; <i>Medical required before 3640/3641</i>	3
Air Traffic Control-Tower Operations Lab	AERO 3641			Co-req for AERO 3640, Fee required	1
Air Traffic Control-TRACON Operations	AERO 4650			Pre-req: AERO 3640/3641	3
Air Traffic Control-TRACON Operations	AERO 4651			Co-req for AERO 4650, Fee required	1
Air Traffic Control-Enroute Operations	AERO 4660			Pre-req: AERO 4650/4651	3
Air Traffic Control-Enroute Operations Lab	AERO 4661			Co-req for AERO 4660, Fee required	1

Hours Required 16

Signed:		Date
	Minor Advisor	

1. Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at MTSU) with a 2.0 GPA, and a minimum of 60 senior college hours.

2. Learning Support courses count toward the 120-hour requirement and the overall GPA.

Signed:		Date
	Major Advisor	