

**College of Basic and Applied Sciences  
Upper Division Form 2017-2018 Catalog**

Student name \_\_\_\_\_ Student # \_\_\_\_\_

Major **AEROSPACE** Minors \_\_\_\_\_

Concentration **Unmanned Aircraft Systems (UAS)  
Operations** E-mail \_\_\_\_\_

**Instructions:** For students graduating in Fall 2017 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
<b>COMMUNICATION</b> (9 hours)	COMM 2200				3
	ENGL 1010				3
	ENGL 1020			Preq ENGL 1010	3
<b>HISTORY</b> (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030					3
					3
<b>HUMANITIES AND/OR FINE ARTS</b> (9 hours) Choose one: ENGL 2020, 2030 or HUM 2610. Choose 2 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
<b>MATHEMATICS</b> (3 hours) MATH 1010, MATH 1530, MATH 1630, MATH 1710, MATH 1720, MATH 1730, <b>MATH 1810, MATH 1910</b>	MATH ____			<i>*program requires either MATH 1810 or MATH 1910* Preq MATH 1710/1730 or 26 ACT</i>	3 of 4
<b>NATURAL SCIENCES</b> (8 hours) Choose two (different rubrics): ASTR 1030/1031, BIOL 1030/1031, BIOL 1110/1111, BIOL 2010/2011, BIOL 2020/2021, CHEM 1010/1011, CHEM 1030/1031, CHEM 1110/1111, CHEM 1130/1131 (same as PHYS 1130/1131), GEOL 1030/1031, GEOL 1040/1041, PGEO 1030, PHYS 1110, PHYS 1130/1131 (same as CHEM 1130/1131), <b>PHYS 2010/2011, PHYS 2110/2111</b> , PSCI 1030/1031				<i>*program requires either PHYS 2010/2011 or PHYS 2110/2111* Preq MATH 1710 with a "C" or better</i>	4
				GEOL recommended	4
<b>SOCIAL/BEHAVIORAL SCIENCES</b> (6 hours) Choose two (different rubrics): AAS 2100, ANTH 2010, ECON 2410, ECON 2420, GEOG 2000, GS 2010, HLTH 1530 / 1531, JOUR/EMC/RIM 1020, PS 1010, PS 1005, PSY 1410, RS 2030, SOC 1010, SOC 2010, WGST 2100				ECON recommended	3
				GEOG recommended	3
<b>Hours Required</b>					<b>41</b>

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
Introduction to Unmanned Aircraft Systems	AERO 1710			Grade of C or better required	3
Aviation Weather	AERO 2010				3
Professional Pilot I Flight Lab	AERO 2201			Lab fee; submit lab request form	2
Professional Pilot I	AERO 2230				3
Aerospace Materials	AERO 3020			Preq: AERO 1010, 1020, MATH 1810 or 1910	3
Propulsions Fundamentals	AERO 3030			Preq: AERO 1010, 1020	3
Professional Pilot II	AERO 3210			Preq AERO 2010 & 2230; Pvt Pilot Cert	3
Fundamentals of Aerodynamics	AERO 3440			Preq Lab fee required; MATH 1810 or 1910, PHYS	3
Unmanned Aircraft	AERO 3710			Preq AERO 1710	3

MAJOR REQUIREMENTS CONTINUED					
Unmanned Aircraft Systems II	AERO 3720			Preq AERO 1710, 3710	3
Unmanned Aircraft Systems III	AERO 3730			Preq AERO 3710, AERO 3720	3
Aerospace Senior Capstone Course	AERO 4040			Preq 90 credit hours or more	1
Unmanned Aircraft Systems Operations Track Capstone	AERO 4710			Preq AERO 1710, 2201, 2230, 3710, 3720, 3730	3
Choose one: AERO 1230, AERO 3170, AERO 4440					3
<b>Hours Required</b>					<b>45</b>

Supporting and Elective Courses					
Supporting and Elective Courses	Course	Semester	Grade	Notes	Credit Hours
PHYS 2010/2011 or PHYS 2110/21111				<i>Credits counted in general education</i>	(4)
MATH 1810 or MATH 1910				<i>Credits counted in general education</i>	(3-4)
Computer Science I	CSCI 1170			Preq MATH 1730	4
Computer Science II	CSCI 2170			Preq CSCI 1170	4
Introduction to Electricity and Electronics	ET 3610			Preq MATH 1710 or 1730	4
Digital Circuit Fundamentals	ET 3620			Requires permission from instructor	3
Electronics	ET 3630			Requires permission from instructor	3
Introduction to Microprocessors	ET 3650			Preq CSCI 1170 and ET 3620	3
Remote Sensing	PGEO 4490				4
Geographic Information Systems	PGEO 4530				3
Choose one: MGMT 3010, MGMT 3610				Preq 60 credit hours or more	3
Choose one: BCEN 1400, BCEN 2900, AGBS 2130					3
<b>Hours Required</b>					<b>(41-42) 34</b>

1. Degrees require a minimum of 120 semester hours 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 do not count toward the 120-hour requirement or cumulative degree GPA.

<b>Signed:</b>		
	<b>Major Advisor</b>	<b>Date</b>