

**College of Basic and Applied Sciences**  
**Upper Division Form 2018-2019 Catalog**  
**\*\*This concentration requires a minimum of 133 credit hours\*\***

Student name \_\_\_\_\_ Student # \_\_\_\_\_  
 Major **AEROSPACE** Minor \_\_\_\_\_  
 Concentration **MAINTENANCE MANAGEMENT** E-mail \_\_\_\_\_

Instructions: For students graduating in Fall 2018 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 Area	Course	Semester	Grade	Notes	Credit Hours
<b>COMMUNICATION</b> (9 hours)	ENGL 1010				3
	ENGL 1020			Preq ENGL 1010 with a C- or better	3
	COMM 2200				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 required for General Studies)	MATH 1710				3
<b>NATURAL SCIENCES</b> (8 hours)	CHEM 1010 / 1011				4
	PHYS 2010 / 2011			Preq MATH 1710 with a "C" or better	4
<b>SOCIAL/BEHAVIORAL SCIENCES</b> (6 hours) Choose two (different rubrics): AAS 2100, ANTH 2010, ECON 2410, ECON 2420, GEOG 2000, G.S 2010, HLTH 1530 / 1531, JOUR / EMC / RIM 1020, PS 1010, PS 1005, PSY 1410, RS 2030, SOC 1010, SOC 2010, WGST 2100					3
					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	3
Introduction to Aerospace Maintenance	AERO 1340			Fall only	3
Aerospace Maintenance Shop Practices	AERO 1380			Spring only	3
Airframe Inspection	AERO 2331			Spring only Preq or Correq AERO 1340 & 1380	3
Powerplant Inspection	AERO 2342			Fall only, Preq or Coreq AERO 1340 & 1380	3
Aircraft Welding	AERO 2371			Fall only Preq AERO 1380	3
Non-Metallic Structures: Dope, Fabric, and Finishing	AERO 2381			Fall only Preq AERO 1380	3
Aerospace Materials	AERO 3020			Preq AERO 1010 & 1020; MATH 1810 or 1910	3
Propulsion Fundamentals	AERO 3030			Preq AERO 1010 & 1020	3
Sheet Metal Structures	AERO 3301			Spring only Preq AERO 1340, 1380 & 3020 ( or 3020 can be a Coreq)	3
Aerospace Reciprocating Engine Overhaul	AERO 3322			Fall only Preq AERO 1380 & 3030	3
Advanced Aerospace Engine Systems Maintenance and Repair	AERO 3362			Spring only Preq AERO 1380 & 3030	3
Aircraft Finishing and Non-Destructive Inspection	AERO 3371			Fall only Preq AERO 1380, 3030 & 3322	3
Reciprocating Engine Maintenance Repair	AERO 3392			Preq AERO 1340, 1380, 3030 & 3322	3
Aerospace Senior Capstone lab	AERO 4040			Preq 90 or more credit hours	1
Advanced Aerospace Vehicle Structural Repair	AERO 4301			Spring only Preq AERO 1340, 1380 & 3020 ( or 3020 can be a Coreq)	3

**Major requirements continued from previous page**

Aerospace Vehicle Systems	<b>AERO 4310</b>			Spring only Preq AERO 1010 & 1020	3
Aerospace Accessory Systems Maintenance and Repair	<b>AERO 4311</b>			Spring only Preq AERO 1340, 1380, 2331, 2342 & ET 3610	3
Turbine Engine System	<b>AERO 4312</b>			Fall only Preq AERO 1340, 1380 & 3030	3
Reciprocating Engine Troubleshooting	<b>AERO 4332</b>			Spring only Preq AERO 1340, 1380, 2342 & 3030	3
Turbine Engine Inspection and Troubleshooting	<b>AERO 4342</b>			Spring only Preq AERO 1340, 1380, 3030, 4312	3
Advanced Aerospace Vehicle Systems Overhaul	<b>AERO 4371</b>			Spring only Preq 1340, 1380, 4310 & ET 3610	3
Advanced Aerospace Accessory Systems Maintenance and Repair	<b>AERO 4381</b>			Fall only Preq AERO 1340, 1380, 4310 & ET 3610	3
Aerospace Turbine Engine Maintenance and Overhaul	<b>AERO 4392</b>			Fall only Preq AERO 1340, 1380, 3030, 4312 & 4342	3
Maintenance Management Capstone	<b>AERO 4340</b>				3
<b>Hours Required</b>					<b>76</b>

Supporting Courses				
Course	Semester	Grade	Notes	Credit Hours
ET 2310				3
ET 3610			Preq MATH 1710 or 1730	4
MATH 1810			Preq MATH 1710 or 19 ACT	3
MGMT 3610 or E T 3910			Preq 60 or more credit hours	3
MGMT 3810 or MGMT 4490 or MGMT 4510 or MGMT 4920			Preq MGMT 3610 for 4920	3
<b>Hours Required</b>				<b>16</b>

Minor (Optional)				
Course	Semester	Grade	Notes	Credit Hours
<b>Hours Required</b>				
<b>Signed:</b>				
	<b>Minor Advisor</b>			<b>Date</b>

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 do not count toward the 120-hour requirement or cumulative degree GPA.

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