

# 2020–21 Aerospace–Technology Academic Map

Department of Aerospace

Middle Tennessee State University • Murfreesboro

**MIDDLE  
TENNESSEE**

STATE UNIVERSITY.

An academic map is a suggested four-year schedule of courses based on degree requirements in the undergraduate catalog. This sample schedule serves as a general guideline to help build a full schedule each term. Milestones, courses, and special requirements necessary for timely progress to complete a major are designated to keep you on track to graduate in four years. **Missing milestones could delay your program.**

**This map is not a substitute for academic advisement—contact your advisor if you have any questions about scheduling or about your degree requirements.** Also see the current undergraduate catalog ([catalog.mtsu.edu](http://catalog.mtsu.edu)) for a complete list of requirements and electives. *Note: Requirements are continually under revision, and there is no guarantee they will not be changed or revoked; contact the department and/or program area for current information.*

**You may choose to attend a summer term to reduce your load during fall or spring terms but still stay on track to graduate in four years (see back). NOTE: Learning Support courses will alter the sequences on this map.**

## Suggested Fall/Spring Four-Year Schedule

FRESHMAN FALL			FRESHMAN SPRING		
Course	Hours	Milestones/Notes	Course	Hours	Milestones/Notes
AERO 1010	3		AERO 1020	3	Lab fee required
ENGL 1010 (Comm)	3		ENGL 1020 (Comm)	3	
MATH 1910 (Math)	4	Prereq: ACT 26 or MATH 1730	MATH 1920	4	Prereq: ACT 26 or MATH 1910
ENGR 1100	3	Prereq: ACT 26 or MATH 1730	Hum/FA (Rubric 1)	3	
Soc/Beh Sci (Rubric 1)	3		HIST 2010, HIST 2020, or HIST 2030	3	
<b>SUBTOTAL</b>	<b>16</b>		<b>SUBTOTAL</b>	<b>16</b>	
SOPHOMORE FALL			SOPHOMORE SPRING		
PHYS 2110/2111 (Nat Sci)	4	Prereq: MATH 1910	AERO 3020	3	Prereq: AERO 1010/1020; MATH 1810
MATH 2010	3	Prereq: MATH 1910	PHYS 2120/2121	4	Prereq: PHYS 2110/2111
COMM 2200 (Comm)	3		ENGR 2110	3	Prereq: ENGR 1100/ MATH 1910; Coreq: PHYS 2110/2111
ET 3810	3	Prereq: MATH 1910; PHYS 2110/2111	Soc/Beh Sci (Rubric 2)	3	
ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3		HIST 2010, HIST 2020, or HIST 2030	3	
<b>SUBTOTAL</b>	<b>16</b>		<b>SUBTOTAL</b>	<b>16</b>	
JUNIOR FALL			JUNIOR SPRING		
AERO 3030	3	Prereq: AERO 1010/1020	MATH 3120	3	Prereq: MATH 1920
AERO 3440	3	Prereq: MATH 1910; PHYS 2110/2111	CSCI 1170	4	
ENGR 2120	3	Prereq: ENGR 2110/ MATH 1920	AERO 3170	3	Prereq: AERO 1020
MATH 3110	4	Prereq: MATH 1920	ET 4830 or ENGR 3590	3	Prereq: ET 3840 or ENGR 2120
Hum/FA (Rubric 2)	3				
<b>SUBTOTAL</b>	<b>16</b>		<b>SUBTOTAL</b>	<b>13</b>	
SENIOR FALL			SENIOR SPRING		
AERO 4071	3		AERO 4040 (capstone)	1	Prereq: AERO 1010, 1020; Prereq/coreq: AERO 3020, 3030
AERO 4440	3	Prereq: AERO 3440	ENGR 2130	3	
CSCI 2170	4	Prereq: CSCI 1170	AERO 4310	3	Offered spring only
ET 3860 or ENGR 3560	3	Prereq: ENGR 1210/2110/ MATH 3120	ET 4850 or ENGR 3550	3	Prereq: ET 1840/3810 or ENGR 2120/MATH 3110
			CHEM 1110/1111 (Nat Sci)	4	
<b>SUBTOTAL</b>	<b>13</b>		<b>SUBTOTAL</b>	<b>14</b>	
<b>TOTAL HOURS IN PROGRAM: 120</b>					

# Aerospace–Technology Suggested Fall/Spring/Summer Four-Year Schedule

Refer to [www.mtsu.edu/financial-aid/scholarships](http://www.mtsu.edu/financial-aid/scholarships) for information regarding use of the Lottery Scholarship for the summer term.

FRESHMAN FALL			FRESHMAN SPRING		
Course	Hours	Milestones/Notes	Course	Hours	Milestones/Notes
AERO 1010	3		AERO 1020	3	Lab fee required
ENGL 1010 (Comm)	3		ENGL 1020 (Comm)	3	
MATH 1910 (Math)	4	Prereq: ACT 26 or MATH 1730	MATH 1920	4	Prereq: ACT 26 or MATH 1910
ENGR 1100	3	Prereq: ACT 26 or MATH 1730	Hum/FA (Rubric 1)	3	
<b>SUBTOTAL</b>	<b>13</b>		<b>SUBTOTAL</b>	<b>13</b>	
FRESHMAN SUMMER					
Soc/Beh Sci (Rubric 1)	3		HIST 2010, HIST 2020, or HIST 2030	3	
<b>SUBTOTAL</b>	<b>3</b>		<b>SUBTOTAL</b>	<b>3</b>	
SOPHOMORE FALL			SOPHOMORE SPRING		
PHYS 2110/2111 (Nat Sci)	4	Prereq: MATH 1910	AERO 3020	3	Prereq: AERO 1010/1020; MATH 1810
MATH 2010	3	Prereq: MATH 1910	PHYS 2120/2121	4	Prereq: PHYS 2110/2111
ET 3810	3	Prereq: MATH 1910; PHYS 2110/2111	ENGR 2110	3	Prereq: ENGR 1100/ MATH 1910; Coreq: PHYS 2110/2111
ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3		Soc/Beh Sci (Rubric 2)	3	
<b>SUBTOTAL</b>	<b>13</b>		<b>SUBTOTAL</b>	<b>13</b>	
SOPHOMORE SUMMER					
COMM 2200 (Comm)	3		HIST 2010, HIST 2020, or HIST 2030	3	
<b>SUBTOTAL</b>	<b>3</b>		<b>SUBTOTAL</b>	<b>3</b>	
JUNIOR FALL			JUNIOR SPRING		
AERO 3030	3	Prereq: AERO 1010/1020	MATH 3120	3	Prereq: MATH 1920
AERO 3440	3	Prereq: MATH 1910; PHYS 2110/2111	CSCI 1170	4	
ENGR 2120	3	Prereq: ENGR 2110/ MATH 1920	AERO 3170	3	Prereq: AERO 1020
MATH 3110	4	Prereq: MATH 1920	ET 4830 or ENGR 3590	3	Prereq: ET 3840 or ENGR 2120
Hum/FA (Rubric 2)	3				
<b>SUBTOTAL</b>	<b>16</b>		<b>SUBTOTAL</b>	<b>13</b>	
SENIOR FALL			SENIOR SPRING		
AERO 4071	3		AERO 4040 (capstone)	1	Prereq: AERO 1010, 1020; Prereq/coreq: AERO 3020, 3030
AERO 4440	3	Prereq: AERO 3440	ENGR 2130	3	
CSCI 2170	4	Prereq: CSCI 1170	AERO 4310	3	Offered spring only
ET 3860 or ENGR 3560	3	Prereq: ENGR 1210/2110/ MATH 3120	ET 4850 or ENGR 3550	3	Prereq: ET 1840/3810 or ENGR 2120/MATH 3110
			CHEM 1110/1111 (Nat Sci)	4	
<b>SUBTOTAL</b>	<b>13</b>		<b>SUBTOTAL</b>	<b>14</b>	
<b>TOTAL HOURS IN PROGRAM: 120</b>					