

# 2022–23 Biology Academic Map

## Department of Biology

### Middle Tennessee State University • Murfreesboro



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
BIOL 1000	1		BIOL 1120/1121	4	Prereq: BIOL 1110
BIOL 1110/1111 rec. (Nat Sci)	4	Prereq: MATH 1710 with C- or better or MATH ACT of 19 or higher	CHEM 1120/1121	4	Prereq: CHEM 1110 with C- or higher
CHEM 1110/1111 rec. (Nat Sci)	4	Take CHEM 1010/1011 if weak or no background in Chemistry	COMM 2200 (Comm)	3	
MATH 1910 rec. (Math)	4	Prereq: MATH 1730 with a minimum grade of C or Math ACT score of 26	ENGL 1020 (Comm)	3	
ENGL 1010 (Comm)	3				
<b>SUBTOTAL</b>	<b>16</b>		<b>SUBTOTAL</b>	<b>14</b>	
SOPHOMORE FALL			SOPHOMORE SPRING		
BIOL 3250/3251	4	Prereq: BIOL 1110 and 1120	BIOL 2230/2231	4	Prereq: BIOL 1110 and 1120
CHEM 3010/3011 or CHEM 2030/2031	4	Prereq: CHEM 1110 and 1120	Elective	3	
Hum/FA (Rubric 1)	3		ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3	
HIST 2010, 2020, 2030, 2040, or 2050	3		HIST 2010, 2020, 2030, 2040, or 2050	3	
			Elective	3	
<b>SUBTOTAL</b>	<b>14</b>		<b>SUBTOTAL</b>	<b>16</b>	
JUNIOR FALL			JUNIOR SPRING		
BIOL 3400/3401	4	Prereq: BIOL 1110 and 1120; CHEM 1110	BIOL 4110/4111, BIOL 4210/4211, or BIOL 4500	4	OREC - Recommended BIOL 4500
BIOL 3500	3	Prereq: BIOL 3250	BIOL concentration course	3–4	See advisor
BIOL 4350/4351, MATH 2050, or MATH 1920	3–4	See advisor	Hum/FA (Rubric 2)	3	
Soc/Beh Sci (Rubric 1)	3		Soc/Beh Sci (Rubric 2)	3	
Elective	3		Elective	3	
<b>SUBTOTAL</b>	<b>16–17</b>		<b>SUBTOTAL</b>	<b>16–17</b>	
SENIOR FALL			SENIOR SPRING		
BIOL concentration course	3–4	See advisor	BIOL concentration course	3–4	See advisor
BIOL upper-division course	3–4	See advisor	BIOL 4200	1	Prereq: BIOL 2230, 3250, 3400, and 3500
Elective	3		Elective	6–3	
Elective*	3		Elective*	3–6	
<b>SUBTOTAL</b>	<b>12–14</b>		<b>SUBTOTAL</b>	<b>13–14</b>	

\*NOTE: If needed to meet 42 upper-division credit hours or 120 total credit hours.

**TOTAL HOURS IN PROGRAM: 120**

# Biology 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
BIOL 1000	1		BIOL 1120/1121	4	Prereq: BIOL 1110
BIOL 1110/1111 rec. (Nat Sci)	4	Prereq: MATH 1710 with C- or better or MATH ACT of 19 or higher	CHEM 1120/1121	4	Prereq: CHEM 1110 with C- or higher
CHEM 1110/1111 rec. (Nat Sci)	4	Take CHEM 1010/1011 if weak or no background in Chemistry	COMM 2200 (Comm)	3	
MATH 1910 rec. (Math)	4	Prereq: MATH 1730 with a minimum grade of C or Math ACT score of 25	ENGL 1020 (Comm)	3	
ENGL 1010 (Comm)	3				
<b>SUBTOTAL</b>	<b>16</b>		<b>SUBTOTAL</b>	<b>14</b>	
FRESHMAN SUMMER					
BIOL 3250/3251	4	Prereq: BIOL 1110 and 1120	Hum/FA (Rubric 1)	3	
<b>SUBTOTAL</b>	<b>4</b>		<b>SUBTOTAL</b>	<b>3</b>	
SOPHOMORE FALL			SOPHOMORE SPRING		
BIOL 2230/2231	4	Prereq: BIOL 1110 and 1120	BIOL 3400/3401	4	Prereq: BIOL 1110 and 1120; CHEM 1110
CHEM 3010/3011 or CHEM 2030/2031	4	Prereq: CHEM 1110 and 1120	Elective	3	
Elective	3		ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3	
HIST 2010, 2020, 2030, 2040, or 2050	3		HIST 2010, 2020, 2030, 2040, or 2050	3	
<b>SUBTOTAL</b>	<b>14</b>		<b>SUBTOTAL</b>	<b>13</b>	
SOPHOMORE SUMMER					
Hum/FA (Rubric 2)	3		BIOL upper-division elective	3-4	See advisor
<b>SUBTOTAL</b>	<b>3</b>		<b>SUBTOTAL</b>	<b>3-4</b>	
JUNIOR FALL			JUNIOR SPRING		
BIOL 4110/4111, BIOL 4210/4211, or BIOL 4500	4	OREC - Recommended BIOL 4500	BIOL 3500	3	Prereq: BIOL 3250
Elective	3		BIOL concentration course	3-4	See advisor
BIOL 4350/4351, MATH 2050, or MATH 1920	3-4	See advisor	Soc/Beh Sci (Rubric 1)	3	
Elective	3		Elective	3	
<b>SUBTOTAL</b>	<b>13-14</b>		<b>SUBTOTAL</b>	<b>12-13</b>	
SENIOR FALL			SENIOR SPRING		
BIOL concentration course	3-4	See advisor	BIOL concentration course	3-4	See advisor
Soc/Beh Sci (Rubric 2)	3		BIOL 4200	1	Prereq: BIOL 2230, 3250, 3400, and 3500
Elective	3		Elective	3-6	
Elective*	3		Elective*	3-6	
<b>SUBTOTAL</b>	<b>12-13</b>		<b>SUBTOTAL</b>	<b>10-14</b>	
*NOTE: If needed to meet 42 upper-division credit hours or 120 total credit hours.					
<b>TOTAL HOURS IN PROGRAM: 120</b>					