

# 2023–24 Chemistry Teacher Licensure (MTeach)

## Academic Map

Department of Chemistry

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
MSE 1010	1	Sec. Ed. minor	MSE 2010	1	Sec. Ed. minor
ENGL 1010 (Comm)	3		ENGL 1020 (Comm)	3	
CHEM 1110/1111 (Nat Sci)	4	Prereq: High school chemistry and MATH 1710 with grade of C (2.0) or better or MATH ACT score of 19 or higher or CHEM 1010 with grade of C (2.0) or better	CHEM 1120/1121	4	Prereq: CHEM 1110 with C- or better
PHYS 2010/2011 (Nat Sci)	4	See advisor	PHYS 2020/2021	4	Prereq: PHYS 2010
MATH 1910 (Math)	4	Prereq: MATH 1730 with C	COMM 2200 (Comm)	3	
<b>SUBTOTAL</b>	<b>16</b>		<b>SUBTOTAL</b>	<b>15</b>	
SOPHOMORE FALL			SOPHOMORE SPRING		
YOED 3520	3	Sec. Ed. minor	YOED 3550	3	Sec. Ed. minor
CHEM 2230/2231	5	Prereq: CHEM 1120 with C- or better	MATH 1920	4	Prereq: MATH 1910 with C or better
BIOL 1110/1111	4	Prereq: MATH 1710	ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3	
CHEM 3010/3011	4	Prereq: CHEM 1120/1121 with C- or better	CHEM 3020/3021	4	Prereq: CHEM 3010/3011 or equiv. with C- or better
			HIST 2010, 2020, 2030, 2040, or 2050	3	
<b>SUBTOTAL</b>	<b>16</b>		<b>SUBTOTAL</b>	<b>17</b>	
JUNIOR FALL			JUNIOR SPRING		
CHEM 4330/4331 (or 4350/4351 and 4360/4361)	4–8	Prereq: MATH 1910; PHYS 2020	CHEM 4740	3	Prereq: YOED 3520
CHEM 3530/3531 or 4500/4510	4–6	See advisor	CHEM 4400	3	See advisor
HIST 2010, 2020, 2030, 2040, or 2050	3		CHEM 3890	1	POD
Soc/Beh Sci (Rubric 1)	3		PHIL 3120	3	
Hum/FA (Rubric 1)	3		Hum/FA (Rubric 2)	3	
<b>SUBTOTAL</b>	<b>17</b>		<b>SUBTOTAL</b>	<b>13</b>	
SENIOR FALL			SENIOR SPRING		
Soc/Beh Sci (Rubric 2)	3		YOED 4400	12	Sec. Ed. minor
YOED 4040	4	Sec. Ed. minor			
YOED 4050	3	Sec. Ed. minor			
PSCI 1030/1031	4				
Elective	0–4				
<b>SUBTOTAL</b>	<b>14–18</b>		<b>SUBTOTAL</b>	<b>12</b>	
<b>TOTAL HOURS IN PROGRAM: 124</b>					

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## Suggested Summer/Fall/Spring 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
MSE 1010	1	Sec. Ed. minor	MSE 2010	1	Sec. Ed. minor
ENGL 1010 (Comm)	3		ENGL 1020 (Comm)	3	
CHEM 1110/1111 (Nat Sci)	4	Take CHEM 1010/1011 if weak or no background in chemistry	CHEM 1120/1121	4	Prereq: CHEM 1110 with C- or better
PHYS 2010/2011 (Nat Sci)	4	See advisor	PHYS 2020/2021	4	Prereq: PHYS 2010
<b>SUBTOTAL</b>	<b>12</b>		<b>SUBTOTAL</b>	<b>12</b>	
FRESHMAN SUMMER					
MATH 1910 (Math)	4	Prereq: MATH 1730 with C	COMM 2200 (Comm)	3	
<b>SUBTOTAL</b>	<b>4</b>		<b>SUBTOTAL</b>	<b>3</b>	
SOPHOMORE FALL			SOPHOMORE SPRING		
YOED 3520	3	Sec. Ed. minor	YOED 3550	3	Sec. Ed. minor
CHEM 2230/2231	5	Prereq: CHEM 1120 with C- or better	MATH 1920	4	Prereq: MATH 1910 with C or better
BIOL 1110/1111	4	Prereq: MATH 1710	ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3	
CHEM 3010/3011	4	Prereq: CHEM 1120	CHEM 3020/3021	4	Prereq: CHEM 3010
<b>SUBTOTAL</b>	<b>16</b>		<b>SUBTOTAL</b>	<b>14</b>	
SOPHOMORE SUMMER					
Soc/Beh Sci (Rubric 1)	3		HIST 2010, 2020, 2030, 2040, or 2050	3	
<b>SUBTOTAL</b>	<b>3</b>		<b>SUBTOTAL</b>	<b>3</b>	
JUNIOR FALL			JUNIOR SPRING		
CHEM 4330/4331 (or 4350/4351 and 4360/4361)	4–8	Prereq: MATH 1910; PHYS 2020	CHEM 4740	3	Prereq: YOED 3520
CHEM 3530/3531 or 4500/4510	4–6	See advisor	CHEM 4400	3	See advisor
HIST 2010, 2020, 2030, 2040, or 2050	3		CHEM 3890	1	POD
Hum/FA (Rubric 1)	3		PHIL 3120	3	
			Hum/FA (Rubric 2)	3	
<b>SUBTOTAL</b>	<b>14</b>		<b>SUBTOTAL</b>	<b>13</b>	
SENIOR FALL			SENIOR SPRING		
Soc/Beh Sci (Rubric 2)	3		YOED 4400	12	Sec. Ed. minor
YOED 4040	4	Sec. Ed. minor			
YOED 4050	3	Sec. Ed. minor			
PSCI 1030/1031	4				
Elective	0–4				
<b>SUBTOTAL</b>	<b>14–18</b>		<b>SUBTOTAL</b>	<b>12</b>	
<b>TOTAL HOURS IN PROGRAM: 124</b>					