

# 2014–15 Chemistry–Professional (Materials Track)

## 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
CHEM 1110/1111 (Nat Sci)	4	Take CHEM 1010/1011 if weak or no background in Chemistry	CHEM 1120/1121	4	
BIOL 1110/1111 (Nat Sci)	4		BIOL 1120/1121	4	
MATH 1730 (Math)	4	Take MATH 1710 first if weak background in Math; may take MATH 1910 with acceptable Math ACT score (26).	MATH 1910	4	
ENGL 1010 (Comm)	3		ENGL 1020 (Comm)	3	
<b>SUBTOTAL</b>	<b>15</b>		<b>SUBTOTAL</b>	<b>15</b>	
SOPHOMORE FALL			SOPHOMORE SPRING		
CHEM 2230/2231	5		CHEM 3020/3021	4	
CHEM 3010/3011	4		PHYS 2020/2021	4	
PHYS 2010/2011	4		MATH 1920	4	
CSCI 1150	3	Or app. CSCI course	ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3	
<b>SUBTOTAL</b>	<b>16</b>		<b>SUBTOTAL</b>	<b>15</b>	
JUNIOR FALL			JUNIOR SPRING		
CHEM or other upper division elective	3–4	CHEM: choose from 4600 or 4700 (offered odd yrs.)	CHEM 4400 or CHEM 4410	3	CHEM 4400 offered in even yrs.; CHEM 4410 offered in odd yrs.
CHEM 3530/3531	4		CHEM 3000	1	
Soc/Beh Sci (Rubric 1)	3		Soc/Beh Sci (Rubric 2)	3	
Elective (upper division)	3	See advisor	Elective (upper division)	3	See advisor
COMM 2200 (Comm)	3		Hum/FA (Rubric 1)	3	
<b>SUBTOTAL</b>	<b>16–17</b>		<b>SUBTOTAL</b>	<b>13</b>	
SENIOR FALL			SENIOR SPRING		
CHEM 4330/4331	4		CHEM 4360/4361	5	
CHEM 3880, 3970, or 4780	2	CHEM 4780 offered odd yrs.	CHEM or other upper division elective	3–4	CHEM; choose from 4000, 4230/4231, 4100, or 4450 offered in odd yrs.; 4460 or 4610 offered in even yrs.
HIST 2010, HIST 2020, or HIST 2030	3		HIST 2010, HIST 2020, or HIST 2030	3	
Elective (upper division)	3	See advisor	Elective (upper division)	3	See advisor
Hum/FA (Rubric 2)	3		Elective	1	
<b>SUBTOTAL</b>	<b>15</b>		<b>SUBTOTAL</b>	<b>15–16</b>	
<b>TOTAL HOURS IN PROGRAM: 120</b>					

# Chemistry–Professional (Materials Track)

## 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		
CHEM 1110/1111 (Nat Sci)	4	Take CHEM 1010/1011 if weak or no background in Chemistry	CHEM 1120/1121	4	
BIOL 1110/1111 (Nat Sci)	4		BIOL 1120/1121	4	
MATH 1730 (Math)	4	Take MATH 1710 first if weak background in Math; may take MATH 1910 with acceptable Math ACT score (26).	MATH 1910	4	
ENGL 1010 (Comm)	3		ENGL 1020 (Comm)	3	
<b>SUBTOTAL</b>	<b>15</b>		<b>SUBTOTAL</b>	<b>15</b>	
FRESHMAN SUMMER			FRESHMAN SUMMER		
Soc/Beh Sci (Rubric 1)	3		COMM 2200 (Comm)	3	
<b>SUBTOTAL</b>	<b>3</b>		<b>SUBTOTAL</b>	<b>3</b>	
SOPHOMORE FALL			SOPHOMORE SPRING		
CHEM 3010/3011	4		CHEM 3020/3021	4	
CHEM 2230/2231	5		PHYS 2020/2021	4	
PHYS 2010/2011	4		CSCI 1150	3	Or app. CSCI course
			ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3	
<b>SUBTOTAL</b>	<b>13</b>		<b>SUBTOTAL</b>	<b>14</b>	
SOPHOMORE SUMMER					
Students are encouraged to get involved in research.					
JUNIOR FALL			JUNIOR SPRING		
CHEM 3530/3531	4		CHEM 4400 or CHEM 4410	3	CHEM 4400 offered even yrs.; CHEM 4410 offered in odd yrs.
CHEM or other upper division elective	3–4	CHEM: choose from CHEM 4600 or CHEM 4700 offered in odd yrs.	CHEM 3000	1	
MATH 1920	4		Soc/Beh Sci (Rubric 2)	3	
Elective (upper division)	3	See advisor	Elective (upper division)	3	See advisor
<b>SUBTOTAL</b>	<b>14–15</b>		Hum/FA (Rubric 1)	3	
JUNIOR SUMMER					
Students are encouraged to get involved in research.					
SENIOR FALL			SENIOR SPRING		
CHEM 4330/4331	4		CHEM 4360/4361	5	
CHEM 3880, 3970, or 4780	2	CHEM 4780 offered in odd years	CHEM or other upper division elective	3–4	CHEM; choose from 4000, 4230/4231, 4100, or 4450 offered in odd yrs.; 4460 or 4610 offered in even yrs.
HIST 2010, HIST 2020, or HIST 2030	3		HIST 2010, HIST 2020, or HIST 2030	3	
Elective (upper division)	3	See advisor	Elective (upper division)	3	See advisor
Hum/FA (Rubric 2)	3		Elective	1	
<b>SUBTOTAL</b>	<b>15</b>		<b>SUBTOTAL</b>	<b>15–16</b>	
TOTAL HOURS IN PROGRAM: 120					