## 2019–20 Science–Allied Health Science 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) 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.

NOTE: Learning Support courses will alter the sequences on this map.

## **Suggested Fall/Spring Four-Year Schedule**

FRESHMA		FRESHMAN SPRING				
Course	Hours	Milestones/Notes	Course	Hours	Milestones/Notes	
CHEM 1110/CHEM 1111 (Nat Sci)	4	Take CHEM 1010/1011 if weak or no back-ground in Chemistry	CHEM 1120/CHEM 1121	4		
BIOL 1110/BIOL 1111 (Nat Sci)	4		BIOL 1120/BIOL 1121	4		
MATH 1730 (Math)	4		Soc/Beh Sci (Rubric 1) or MATH 1910	3	PSY 1410 rec.	
ENGL 1010 (Comm)	3	Students are required to see advisor.	ENGL 1020 (Comm)	3	Students are required to see advisor.	
SUBTOTAL	15		SUBTOTAL	14-15		
SOPHOMORE FALL			SOPHOMORE SPRING			
PHYS 2010/2011	4		COMM 2200 (COMM)	3		
BIOL 3250/BIOL 3251	4		BIOL 2230/BIOL 2231	4		
CHEM 3010/CHEM 3011	4		CHEM 3020/CHEM 3021	4		
ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3		Hum/FA (Rubric 1)	3		
BIOL 2000/2001 or pre-professional approved elective	2-3	Students are encouraged to see advisor	HIST 2010, HIST 2020, or HIST 2030	3	Students are encouraged to see advisor.	
SUBTOTAL	17-18		SUBTOTAL	17		
JUNIOR FALL			JUNIOR SPRING			
CHEM 3530/CHEM 3531 or CHEM 4500	3-4		BIOL 4300/BIOL 4301	4		
BIOL 4110/BIOL 4111 or BIOL 2010/2011	4		BIOL 3340 or BIOL 2020/2021	3-4		
MATH 1530	3		Hum/FA (Rubric 2)	3		
HIST 2010, HIST 2020, or HIST 2030	3		CHEM 4510 or pre-professional approved elective	3	Students are encouraged to see advisor.	
Soc/Beh Sci (Rubric 2)	3		Soc/Beh Sci (Rubric 2)	0-3	if necessary	
SUBTOTAL	16-17		SUBTOTAL	13-16		

SENIOR FALL SENIOR SPRING

3+1 students will earn the B.S. degree after completion of their professional program. Four-year students will need to complete an appropriate number of upper-division and elective credit to earn degree. See advisor for details.

**TOTAL HOURS IN PROGRAM: 120** 

## Science—Allied Health Science Suggested Fall/Spring/Summer Four-Year Schedule

Refer to www.mtsu.edu/financial-aid/scholarships for information regarding use of the Lottery Scholarship for the summer term.

Course         Hours         Milestones/Notes         Course         Hours         Milestones/Notes           CHEM 1110/CHEM 1111 (Nat Sci)         4         Take CHEM 1010/1011 irres for on back-ground in Chemistry         chEM 1120/CHEM 1121         4         ChEM 1120/BIOL 1121         4         ChEM 1120/BIOL 11121         4         ChEM 1120/BIOL 1121         4         ChEM 1120/BIOL 1200, ChEM 1120         3         Students are required to see advisor.         SOUBHOTAL         4         ChEM 3010/CHEM 3010         4         ChEM 3010/CHEM 3011         4         ChEM	FRESHMAI		FRESHMAN SPRING						
CHEM 1110/CHEM 1111 (Nat Sci)         4         if weak or no background in Chemistry         CHEM 1120/CHEM 1121         4           BIOL 1110/BIOL 1111 (Nat Sci)         4         BIOL 1120/BIOL 1121         4           MATH 1730 (Math)         4         Soc/Beh Sci (Rubric 1) or MATH 1910         3           ENGL 1010 (Comm)         3         Students are required to see advisor.         ENGL 1020 (Comm)         3         Students are required to see advisor.           FRESHMAN         SUBTOTAL         14-15         14-15           FRESHMAN SUMMER           FRESHMAN SUMMER           ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)         3         SUBTOTAL         3           SUBTOTAL         3         SUBTOTAL         3         SUBTOTAL         3           SUBTOTAL         4         COMM 2200 (COMM)         3         SUBTOTAL         3           PHYS 2010/2011         4         COMM 2200 (COMM)         3         SUBTOTAL         4           CHEM 3010/CHEM 3011         4         CHEM 3020/CHEM 3021         4         SUBTOTAL         4           BIOL 2000/2001 or pre-professional aged to see advisor.         3         SUdents are encouraged to see advisor.         SUBTOTAL         1	Course	Hours	Milestones/Notes	Course	Hours	Milestones/Notes			
MATH 1730 (Math)         4         Soc/Beh Sci (Rubric 1) or MATH 1910         3         Students are required to see advisor.         ENGL 1010 (Comm)         3         Students are required to see advisor.           SUBTOTAL         15         SUBTOTAL         14-15           FRESHMAN         SUMMER           ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)         3         SUBTOTAL         4         CHEM 3020/CHEM 3021         4         CHEM 3020/CHEM 3021         4         SUBTOTAL         14         SUBTOTAL         14         SUBTOTAL         14         SUBTOTAL         14         CHEM 3020/CHEM 3021         4         SUBTOTAL         14         SUBTOTAL         14         SUBTOTAL         14         SUBTOTAL <th colsp<="" td=""><td>CHEM 1110/CHEM 1111 (Nat Sci)</td><td>4</td><td>if weak or no back-</td><td>CHEM 1120/CHEM 1121</td><td>4</td><td></td></th>	<td>CHEM 1110/CHEM 1111 (Nat Sci)</td> <td>4</td> <td>if weak or no back-</td> <td>CHEM 1120/CHEM 1121</td> <td>4</td> <td></td>	CHEM 1110/CHEM 1111 (Nat Sci)	4	if weak or no back-	CHEM 1120/CHEM 1121	4			
ENGL 1010 (Comm)         3         Students are required to see advisor.         ENGL 1020 (Comm)         3         Students are required to see advisor.           SUBTOTAL         15         SUBTOTAL         14-15           FRESHMAN SUMMER           Hum/FA (Rubric 1)         3         ENGL 2020, ENGL 2030, or HUM 26 (2010 (Hum/FA))         3         SUBTOTAL         4         COMM 2200 (COMM)         3         SUBTOTAL         4         CHEM 3020/CHEM 3021         4         CHEM 3020/CHEM 3021         4         SUBTOTAL         14	BIOL 1110/BIOL 1111 (Nat Sci)	4		BIOL 1120/BIOL 1121	4				
Substance	MATH 1730 (Math)	4		Soc/Beh Sci (Rubric 1) or MATH 1910	3				
Hum/FA (Rubric 1)   3   SUMMER   ENGL 2020, ENGL 2030, or HUM   3   SUBTOTAL   3   SOPHOMORE FALL   SOPHOMORE SPRING    PHYS 2010/2011   4   COMM 2200 (COMM)   3   SUBTOTAL   3   SUBTOTAL   4   SOPHOMORE SPRING    PHYS 2010/2011   4   COMM 2200 (COMM)   3   SUBTOTAL   4   SUBTOTAL   5   S	ENGL 1010 (Comm)	3		ENGL 1020 (Comm)	3	·			
Hum/FA (Rubric 1)   3   SUBTOTAL   4   SOPHOMORE SPRING   SOPHOMORE	SUBTOTAL	15		SUBTOTAL	14-15				
SUBTOTAL   3   SUBTOTAL   4   SOPHOMORE SPRING   SOPHOMORE SPRING   SOPHOMORE SPRING   SUBTOTAL   4   SUBTOTAL   5   SUBTOTA	FRESHMAN SUMMER								
SOPHOMORE FALL         SOPHOMORE SPRING           PHYS 2010/2011         4         COMM 2200 (COMM)         3           BIOL 3250/BIOL 3251         4         BIOL 2230/BIOL 2231         4           CHEM 3010/CHEM 3011         4         CHEM 3020/CHEM 3021         4           BIOL 2000/2001 or pre-professional approved elective         2-3         Students are encouraged to see advisor         3         Students are encouraged to see advisor.           SUBTOTAL         14-15         SUBTOTAL         14           CHEM 3530/CHEM 3531 or CHEM 4500         3-4         BIOL 4300/BIOL 4301         4           BIOL 4110/BIOL 4111 or BIOL 2010/2011         4         BIOL 3340 or BIOL 2020/2021         3-4           MATH 1530         3         Hum/FA (Rubric 2)         3           CHEM 4510 or pre-professional approved elective         3         Students are encouraged to see advisor.           Soc/Beh Sci (Rubric 2)         0-3         if necessary	Hum/FA (Rubric 1)	3			3				
PHYS 2010/2011	SUBTOTAL	3		SUBTOTAL	3				
BIOL 3250/BIOL 3251	SOPHOMORE FALL SOPHOMORE SPRING								
CHEM 3010/CHEM 3011         4         CHEM 3020/CHEM 3021         4           BIOL 2000/2001 or pre-professional approved elective         2-3         Students are encouraged to see advisor         HIST 2010, HIST 2020, or HIST 2030         3         Students are encouraged to see advisor.           SUBTOTAL         14-15         SUBTOTAL         14           JUNIOR SPRING           CHEM 3530/CHEM 3531 or CHEM 4500         3-4         BIOL 4300/BIOL 4301         4         BIOL 3340 or BIOL 2020/2021         3-4           BIOL 4110/BIOL 4111 or BIOL 2010/2011         4         BIOL 3340 or BIOL 2020/2021         3-4         CHEM 4510 or pre-professional approved elective         3         Students are encouraged to see advisor.           Soc/Beh Sci (Rubric 2)         3         Students are encouraged to see advisor.	PHYS 2010/2011	4		COMM 2200 (COMM)	3				
BIOL 2000/2001 or pre-professional approved elective   2-3   Students are encouraged to see advisor   SUBTOTAL   14-15   SUBTOTAL   14	BIOL 3250/BIOL 3251	4		BIOL 2230/BIOL 2231	4				
approved elective         2-3 aged to see advisor         HIST 2010, HIST 2020, or HIST 2030         3 aged to see advisor.           SUBTOTAL         14-15         SUBTOTAL         14           CHEM 3530/CHEM 3531 or CHEM 4500         3-4         BIOL 4300/BIOL 4301         4           BIOL 4110/BIOL 4111 or BIOL 2010/2011         4         BIOL 3340 or BIOL 2020/2021         3-4           MATH 1530         3         Hum/FA (Rubric 2)         3           HIST 2010, HIST 2020, or HIST 2030         3         CHEM 4510 or pre-professional approved elective         3 Students are encouraged to see advisor.           Soc/Beh Sci (Rubric 2)         3         Students are encouraged to see advisor.	CHEM 3010/CHEM 3011	4		CHEM 3020/CHEM 3021	4				
JUNIOR FALL         JUNIOR SPRING           CHEM 3530/CHEM 3531 or CHEM 4500         3-4         BIOL 4300/BIOL 4301         4           BIOL 4110/BIOL 4111 or BIOL 2010/2011         4         BIOL 3340 or BIOL 2020/2021         3-4           MATH 1530         3         Hum/FA (Rubric 2)         3           HIST 2010, HIST 2020, or HIST 2030         3         CHEM 4510 or pre-professional approved elective         3         Students are encouraged to see advisor.           Soc/Beh Sci (Rubric 2)         3         Soc/Beh Sci (Rubric 2)         0-3         if necessary		2-3		HIST 2010, HIST 2020, or HIST 2030	3				
CHEM 3530/CHEM 3531 or CHEM 4500         3-4         BIOL 4300/BIOL 4301         4         4         BIOL 3340 or BIOL 2020/2021         3-4         3-4         4         BIOL 3340 or BIOL 2020/2021         3-4<	SUBTOTAL	14-15		SUBTOTAL	14				
4500  BIOL 4300/BIOL 4301  4  BIOL 4300/BIOL 4301  4  BIOL 3340 or BIOL 2020/2021  3-4  MATH 1530  3  HIST 2010, HIST 2020, or HIST 2030  Soc/Beh Sci (Rubric 2)  3  Soc/Beh Sci (Rubric 2)  5  Soc/Beh Sci (Rubric 2)  5  Soc/Beh Sci (Rubric 2)  6  Soc/Beh Sci (Rubric 2)  7  Soc/Beh Sci (Rubric 2)  8  Soc/Beh Sci (Rubric 2)  8  Soc/Beh Sci (Rubric 2)  9  Soc/Beh Sci (Rubric 2)	JUNIOR FALL			JUNIOR SPRING					
2010/2011       4       BIOL 3340 or BIOL 2020/2021       3-4         MATH 1530       3       Hum/FA (Rubric 2)       3         HIST 2010, HIST 2020, or HIST 2030       3       CHEM 4510 or pre-professional approved elective       3       Students are encouraged to see advisor.         Soc/Beh Sci (Rubric 2)       3       Soc/Beh Sci (Rubric 2)       0-3       if necessary		3-4		BIOL 4300/BIOL 4301	4				
HIST 2010, HIST 2020, or HIST 2030 3 CHEM 4510 or pre-professional approved elective 3 Soc/Beh Sci (Rubric 2) 3 Soc/Beh Sci (Rubric 2) 0-3 if necessary		4		BIOL 3340 or BIOL 2020/2021	3-4				
approved elective aged to see advisor.  Soc/Beh Sci (Rubric 2) 3 Soc/Beh Sci (Rubric 2) 0-3 if necessary	MATH 1530	3		Hum/FA (Rubric 2)	3				
	HIST 2010, HIST 2020, or HIST 2030	3			3				
SUBTOTAL 16-17 SUBTOTAL 13-16	Soc/Beh Sci (Rubric 2)	3		Soc/Beh Sci (Rubric 2)	0-3	if necessary			
	SUBTOTAL	16-17		SUBTOTAL	13-16				

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