

2021–22 Chemistry–ACS Certified 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.*

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	Prereq: CHEM 1110 with C- or better
HIST 2010, 2020, 2030, 2040, or 2050	3		HIST 2010, 2020, 2030, 2040, or 2050	3	
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	Prereq: MATH 1730 with C or better
ENGL 1010 (Comm)	3		ENGL 1020 (Comm)	3	
SUBTOTAL	14		SUBTOTAL	14	
SOPHOMORE FALL			SOPHOMORE SPRING		
ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3		CHEM 3020/3021	4	Prereq: CHEM 3010
CHEM 3010/3011	4	Prereq: CHEM 1120	PHYS 2120/2121	4	Prereq: PHYS 2110
PHYS 2110/2111 (Nat Sci)	4		Elective	3	
MATH 1920	4		CHEM 2230/2231	5	Prereq: CHEM 1120 with C- or better
SUBTOTAL	15		SUBTOTAL	16	
JUNIOR FALL			JUNIOR SPRING		
CHEM 4350/4351	4	Prereq: CHEM 2230/2231, MATH 1920, PHYS 2120/2121	CHEM 4360/4361	4	Prereq: CHEM 4350/4351
CHEM 3530/3531	4	Prereq: CHEM 3010	CHEM 4400	3	Prereq: CHEM 1120, CHEM 2030 or 3010 rec.
COMM 2200 (Comm)	3		CHEM 3000	1	Prereq: CHEM 3010
Soc/Beh Sci (Rubric 1)	3		Soc/Beh Sci (Rubric 2)	3	
Elective	3		Hum/FA (Rubric 1)	3	
SUBTOTAL	17		SUBTOTAL	14	
SENIOR FALL			SENIOR SPRING		
CHEM 3880, 3980, or 4880	4	Prereq: permission of instructor	Upper-division in-depth CHEM elective	4	Prereq: CHEM 1110 with C- or better
Upper-division in-depth CHEM elective	3		Chemistry lab elective	1	4400 offered in even yrs.; 4410 offered in odd yrs. (Prereq: CHEM 3010)
Elective	3		Elective	1	
Elective	3		Elective	3	
Hum/FA (Rubric 2)	3		Elective	3	See advisor
			Elective	2	
SUBTOTAL	16		SUBTOTAL	14	
TOTAL HOURS IN PROGRAM: 120					

Chemistry–ACS

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.

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	Prereq: CHEM 1110 with C- or better
HIST 2010, 2020, 2030, 2040, or 2050	3		HIST 2010, 2020, 2030, 2040, or 2050	3	
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	Prereq: MATH 1730 with C or better
ENGL 1010 (Comm)	3		ENGL 1020 (Comm)	3	
SUBTOTAL	14		SUBTOTAL	14	
FRESHMAN SUMMER					
ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3		Elective	3	
SUBTOTAL	3		SUBTOTAL	3	
SOPHOMORE FALL			SOPHOMORE SPRING		
CHEM 3010/3011	4	Prereq: CHEM 1120	CHEM 3020/3021	4	Prereq: CHEM 3010
PHYS 2110/2111 (Nat Sci)	4		PHYS 2120/2121	4	Prereq: PHYS 2110
MATH 1920	4		CHEM 2230/2231	5	Prereq: CHEM 1120 with C- or better
SUBTOTAL	12		SUBTOTAL	13	
SOPHOMORE SUMMER					
Students are encouraged to get involved in research.					
JUNIOR FALL			JUNIOR SPRING		
CHEM 4350/4351	4	Prereq: CHEM 2230/2231, MATH 1920, PHYS 2120/2121	CHEM 4360/4361	4	Prereq: CHEM 4350/4351
CHEM 3530/3531	4	Prereq: CHEM 3010	CHEM 4400	3	Prereq: CHEM 1120, CHEM 2030 or 3010 rec.
COMM 2200 (Comm)	3		CHEM 3000	1	Prereq: CHEM 3010
Soc/Beh Sci (Rubric 1)	3		Soc/Beh Sci (Rubric 2)	3	
Elective	3		Hum/FA (Rubric 1)	3	
SUBTOTAL	17		SUBTOTAL	14	
JUNIOR SUMMER					
Students are encouraged to get involved in research.					
SENIOR FALL			SENIOR SPRING		
CHEM 3880, 3980, or 4880	4	Prereq: permission of instructor	Upper-division in-depth CHEM elective	4	Prereq: CHEM 1110 with C- or better
Upper-division in-depth CHEM elective	3		Chemistry lab elective	1	4400 offered in even yrs.; 4410 offered in odd yrs. (Prereq: CHEM 3010)
Elective	3		Elective	1	
Elective	3		Elective	3	
Hum/FA (Rubric 2)	3		Elective	3	See advisor
			Elective	2	
SUBTOTAL	16		SUBTOTAL	14	
TOTAL HOURS IN PROGRAM: 120					