

2024–25 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.*

MIDDLE TENNESSEE

STATE UNIVERSITY.



Scan the QR code or [click here](#) for more information about the new True Blue Core (TBC).

Suggested Fall/Spring Four-Year Schedule

FRESHMAN FALL			FRESHMAN SPRING		
Course	Hours	Milestones/Notes	Course	Hours	Milestones/Notes
CHEM 1110/1111	4	TBC; Major; 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
History and Civic Learning	3	TBC; one must come from Discovery	History and Civic Learning	3	TBC; one must come from Discovery
MATH 1730	4	TBC; Major; 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
Written Communication	3	TBC	Information Literacy	3	TBC
SUBTOTAL	14		SUBTOTAL	14	
SOPHOMORE FALL			SOPHOMORE SPRING		
Creativity and Cultural Expression Literature	3	TBC	CHEM 3020/3021	4	Prereq: CHEM 3010/3011 or equiv. with C- or better
CHEM 3010/3011	4	Prereq: CHEM 1120/1121 with C- or better	PHYS 2120/2121	4	Prereq: PHYS 2110
PHYS 2110/2111	4	TBC; Major	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.
Non-Written Communication	3	TBC	CHEM 3000	1	Prereq: CHEM 3010
Human Society and Social Relationships	3	TBC; one must come from Discovery	Human Society and Social Relationships	3	TBC; one must come from Discovery
Elective	3		Creativity and Cultural Expression	3	TBC; one must come from Discovery
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	
Creativity and Cultural Expression	3	TBC; one must come from Discovery	Elective	3	See advisor
			Elective	2	
SUBTOTAL	16		SUBTOTAL	14	
TOTAL HOURS IN PROGRAM: 120					

Chemistry–ACS Certified

Suggested Fall/Spring/Summer Four-Year Schedule

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

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

FRESHMAN FALL			FRESHMAN SPRING		
Course	Hours	Milestones/Notes	Course	Hours	Milestones/Notes
CHEM 1110/1111	4	TBC; Major; 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
History and Civic Learning	3	TBC; one must come from Discovery	History and Civic Learning	3	TBC; one must come from Discovery
MATH 1730	4	TBC; Major; 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
Written Communication	3	TBC	Information Literacy	3	TBC
SUBTOTAL	14		SUBTOTAL	14	
FRESHMAN SUMMER					
Creativity and Cultural Expression Literature	3	TBC	Elective	3	
SUBTOTAL	3		SUBTOTAL	3	
SOPHOMORE FALL			SOPHOMORE SPRING		
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
PHYS 2110/2111	4	TBC; Major	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.
Non-Written Communication	3	TBC	CHEM 3000	1	Prereq: CHEM 3010
Human Society and Social Relationships	3	TBC; one must come from Discovery	Human Society and Social Relationships	3	TBC; one must come from Discovery
Elective	3		Creativity and Cultural Expression	3	TBC; one must come from Discovery
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	
Creativity and Cultural Expression	3	TBC; one must come from Discovery	Elective	3	See advisor
			Elective	2	
SUBTOTAL	16		SUBTOTAL	14	
TOTAL HOURS IN PROGRAM: 120					