

2025–26 Physics–Physics Teaching Academic Map

Department of Physics and Astronomy

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.*

Suggested Fall/Spring Four-Year Schedule

**MIDDLE
TENNESSEE**
STATE UNIVERSITY.



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more information
about the
True Blue Core (TBC).

FRESHMAN FALL			FRESHMAN SPRING		
Course	Hours	Milestones/Notes	Course	Hours	Milestones/Notes
Written Communication	3	TBC	Information Literacy	3	TBC
MATH 1910	4	TBC; Major; Take MATH 1730 first if weak background in Math; may take MATH 1910 with acceptable Math ACT score (26).	MATH 1920	4	Prereq: MATH 1910 with C or better
CHEM 1110/1111	4	TBC; Major; Prereq: High School chemistry and MATH ACT of 19 or MATH 1710 with C or CHEM 1010 with C	CHEM 1120/1121	4	Prereq: CHEM 1110 with C- or better
PHYS 2010/2011 or PHYS 2110/2111	4	TBC; Major	PHYS 2020/2021 or PHYS 2120/2121	4	Consult with advisor
PHYS 1010	1		MSE 2010	0–1	Sec. Ed. minor
MSE 1010	0–1	Sec. Ed. minor			
SUBTOTAL	16–17		SUBTOTAL	15–16	
SOPHOMORE FALL			SOPHOMORE SPRING		
YOED 3520 (or elective)	3	Sec. Ed. minor	ASTR 1030	3	
MATH 3120 or PHYS 3150	3	Consult with advisor	MATH 2050	3	Prereq: MATH 1910
Creativity and Cultural Expression Literature	3	TBC	PHYS 3110	3	Prereq: PHYS 3100
PHYS 3100	3	Prereq: PHYS 2021 or 2121; MATH 1920 with C or better	History and Civic Learning	1	TBC; one must come from Discovery
Non-Written Communication	3	TBC	PHYS 3111	3	Prereq: PHYS 3100
PHYS 3900	1	Prereq: PHYS 3110	MSE 3330 (or elective)	3	Sec. Ed. minor
SUBTOTAL	16		SUBTOTAL	16	
JUNIOR FALL			JUNIOR SPRING		
BIOL 1110/1111	4	TBC; Major	PHYS 3800	1	Prereq: PHYS 3100
PHYS 3950	1	Prereq: PHYS 2021 or 2121; MATH 1920 with C or better	PHYS 3930	2	Prereq: PHYS 2021 or 2121; MATH 1920 with C or better
YOED 3550 (or elective)	3	Sec. Ed. minor	PHYS 4850	3	Prereq: Consent of instructor
Human Society and Social Relationships	3	TBC; one must come from Discovery	History and Civic Learning	3	TBC; one must come from Discovery
PHYS 3610 (OR PHYS 3400)	3	Consult with advisor	Creativity and Cultural Expression	3	TBC; one must come from Discovery
PHYS 4740 (or elective)	3	Sec. Ed. minor	PHYS 3960	1	Prereq: PHYS 2021 or 2121; MATH 1920 with C or better
SUBTOTAL	17		SUBTOTAL	13	
SENIOR FALL			SENIOR SPRING		
PHYS 4900	2	Prereq: PHYS 4850 or 4860	YOED 4400 (or elective)	12	Sec. Ed. minor
YOED 4040 (or elective)	4	Sec. Ed. minor			
Human Society and Social Relationships	3	TBC; one must come from Discovery			
Creativity and Cultural Expression	3	TBC; one must come from Discovery			
YOED 4050 (or elective)	3	Sec. Ed. minor			
SUBTOTAL	15		SUBTOTAL	12	
NOTE: The minimum number of hours for graduation is 120; however, the number of hours required for this program may exceed 120 if students choose the Secondary Education minor in addition to the Physics Teaching concentration.					
TOTAL HOURS IN PROGRAM: 120					

Physics–Physics Teaching 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
Written Communication	3	TBC	Non-Written Communication	3	TBC
MATH 1910	4	TBC; Major; Take MATH 1730 first if weak background in Math; may take MATH 1910 with acceptable Math ACT score (26).	Information Literacy	3	TBC
PHYS 1010	1		CHEM 1120/1121	4	Prereq: CHEM 1110 with C- or better
CHEM 1110/1111	4	TBC; Major; Prereq: High School chemistry and MATH ACT of 19 or MATH 1710 with C or CHEM 1010 with C	PHYS 2020/2021 or PHYS 2120/2121	4	Consult with advisor
PHYS 2010/2011 or PHYS 2110/2111	4	TBC; Major	MSE 2010	0–1	Sec. Ed. minor
MSE 1010	0–1	Sec. Ed. minor			
SUBTOTAL	16–17		SUBTOTAL	14–15	
FRESHMAN SUMMER					
Creativity and Cultural Expression	3	TBC; one must come from Discovery	MATH 1920	4	Prereq: MATH 1910 with C or better
SUBTOTAL	3		SUBTOTAL	4	
SOPHOMORE FALL			SOPHOMORE SPRING		
YOED 3520 (or elective)	3	Sec. Ed. minor	ASTR 1030	3	
MATH 3120 or PHYS 3150	3	Consult with advisor	MATH 2050	3	Prereq: MATH 1910
Creativity and Cultural Expression Literature	3	TBC	PHYS 3110	3	Prereq: PHYS 3100
PHYS 3100	3	Prereq: PHYS 2021 or 2121; MATH 1920 with C or better	PHYS 3111	1	Prereq: PHYS 3100
PHYS 3900	1	Prereq: PHYS 3110	MSE 3330 (or elective)	3	Sec. Ed. minor
SUBTOTAL	13		SUBTOTAL	13	
SOPHOMORE SUMMER					
Human Society and Social Relationships	3	TBC; one must come from Discovery	History and Civic Learning	3	TBC; one must come from Discovery
SUBTOTAL	3		SUBTOTAL	3	
JUNIOR FALL			JUNIOR SPRING		
BIOL 1110/1111	4	TBC; Major	PHYS 3800	1	Prereq: PHYS 3110 or 3080
PHYS 3950	1	Prereq: PHYS 2021, 2121; MATH 1920 with C or better	PHYS 4850	2	Prereq: Consent of instructor
YOED 3550 (or elective)	3	Sec. Ed. minor	PHYS 3930	3	Prereq: PHYS 2021, 2121; MATH 1920 with C or better
PHYS 4740 (or elective)	3	Sec. Ed. minor	History and Civic Learning	3	TBC; one must come from Discovery
PHYS 3610 (OR PHYS 3400)	3	Consult with advisor	Creativity and Cultural Expression	3	TBC; one must come from Discovery
			PHYS 3960	1	Prereq: PHYS 2021, 2121; MATH 1920 with C or better
SUBTOTAL	14		SUBTOTAL	13	
SENIOR FALL			SENIOR SPRING		
PHYS 4900	2	Prereq: PHYS 4850 or 4860	YOED 4400 (or elective)	12	Sec. Ed. minor
YOED 4040 (or elective)	4	Sec. Ed. minor			
Human Society and Social Relationships	3	TBC; one must come from Discovery			
YOED 4050 (or elective)	3	Sec. Ed. minor			
SUBTOTAL	12		SUBTOTAL	12	
NOTE: The minimum number of hours for graduation is 120; however, the number of hours required for this program may exceed 120 if students choose the Secondary Education minor in addition to the Physics Teaching concentration.					
TOTAL HOURS IN PROGRAM: 120					