

2025–26 Physics–Applied Physics 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.*

**MIDDLE
TENNESSEE**
STATE UNIVERSITY.



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

Suggested Fall/Spring Four-Year Schedule

FRESHMAN FALL			FRESHMAN SPRING		
Course	Hours	Milestones/Notes	Course	Hours	Milestones/Notes
PHYS 1010	1		PHYS 2020/2021 or PHYS 2120/2121	4	
PHYS 2010/2011 or PHYS 2110/2111	4	TBC; Major	MATH 1920	4	Prereq: MATH 1910 with C or better
MATH 1910	4	TBC; Major; Take MATH 1730 first if weak background in Math. May take MATH 1910 with acceptable MATH ACT score (26).	CHEM 1120/1121	4	Prereq: CHEM 1110 with C- or better
CHEM 1110/CHEM 1111	4	TBC; Major; Prereq: High School chemistry and MATH ACT of 19 or MATH 1710 with C or CHEM 1010 with C	Information Literacy	3	TBC
Written Communication	3	TBC			
SUBTOTAL	16		SUBTOTAL	15	
SOPHOMORE FALL			SOPHOMORE SPRING		
PHYS 3100	3	Prereq: PHYS 2021 or 2121; MATH 1920 with C or better	PHYS 3110	3	Prereq: PHYS 3100
PHYS 3150 (or MATH 3120 or MATH 3110)	3–4	Consult with advisor	PHYS 3111	1	Prereq: PHYS 3100
CSCI 1170	4	Prereq: MATH 1730 or MATH 1810 with C or better	PHYS 3900	1	Prereq: PHYS 3110
Non-Written Communication	3	TBC	Creativity and Cultural Expression Literature	3	TBC
Elective	3	Consult with advisor	History and Civic Learning	3	TBC; one must come from Discovery
			Human Society and Social Relationships	3	TBC; one must come from Discovery
SUBTOTAL	16–17		SUBTOTAL	14	
JUNIOR FALL			JUNIOR SPRING		
PHYS 3610 (or PHYS 3400)	3	Consult with advisor	Cognate	3	
PHYS/ASTR upper division	3–4		Cognate	3	
Creativity and Cultural Expression	3	TBC; one must come from Discovery	Human Society and Social Relationships	3	TBC; one must come from Discovery
History and Civic Learning	3	TBC; one must come from Discovery	Creativity and Cultural Expression	3	TBC; one must come from Discovery
Elective	3		Elective	3	
			PHYS 3800	1	Prereq: PHYS 3100
SUBTOTAL	15–16		SUBTOTAL	16	
SENIOR FALL			SENIOR SPRING		
PHYS 4850	2	Prereq: Instructor consent	PHYS 4900	2	Prereq: PHYS 4850 or PHYS 4860
PHYS/ASTR upper division	2–3		Cognate	3	
Cognate	3		Elective	3	
Cognate	3		Elective	3	
Elective	3	Consult with advisor	Elective	3	
SUBTOTAL	13–14		SUBTOTAL	14	
TOTAL HOURS IN PROGRAM: 120					

Physics–Applied Physics 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
PHYS 1010	1		PHYS 2020/2021 or PHYS 2120/2121	4	
PHYS 2010/2011 or PHYS 2110/2111	4	TBC; Major	MATH 1920	4	Prereq: MATH 1910 with C or better
MATH 1910	4	TBC; Major; Take MATH 1730 first if weak background in Math. May take MATH 1910 with acceptable MATH ACT score (26).	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			
Written Communication	3	TBC			
SUBTOTAL	16		SUBTOTAL	12	
FRESHMAN SUMMER					
Non-Written Communication	3	TBC	Information Literacy	3	TBC
SUBTOTAL	3		SUBTOTAL	3	
SOPHOMORE FALL			SOPHOMORE SPRING		
PHYS 3100	3	Prereq: PHYS 2021 or 2121; MATH 1920 with C or better	PHYS 3110	3	Prereq: PHYS 3100
PHYS 3150 (or MATH 3120 or MATH 3110)	3	Consult with advisor	PHYS 3111	1	Prereq: PHYS 3100
Elective	3	Consult with advisor	CSCI 1170	4	Prereq: MATH 1730 or MATH 1810 with C or better
Elective	3	Consult with advisor	Human Society and Social Relationships	3	TBC; one must come from Discovery
			Creativity and Cultural Expression Literature	3	TBC
SUBTOTAL	12		SUBTOTAL	14	
SOPHOMORE SUMMER					
Human Society and Social Relationships	3	TBC; one must come from Discovery	Creativity and Cultural Expression	3	TBC; one must come from Discovery
SUBTOTAL	3		SUBTOTAL	3	
JUNIOR FALL			JUNIOR SPRING		
PHYS 3610 (or PHYS 3400)	3	Consult with advisor	Cognate	3	
PHYS/ASTR upper division	2–3		Cognate	3	
Elective	3	Consult with advisor	Creativity and Cultural Expression	3	TBC; one must come from Discovery
Elective	3	Consult with advisor	Elective	3	
History and Civic Learning	3	TBC; one must come from Discovery	PHYS 3800	1	Prereq: PHYS 3100
SUBTOTAL	14–15		SUBTOTAL	13	
SENIOR FALL			SENIOR SPRING		
PHYS 4850	2	Prereq: Instructor consent	PHYS 4900	2	Prereq: PHYS 4850 or PHYS 4860
PHYS/ASTR upper division	3		History and Civic Learning	3	TBC; one must come from Discovery
Cognate	3		Cognate	3	
Cognate	3		Elective	3	
PHYS 3900	1	Prereq: PHYS 3110	Elective	3	
SUBTOTAL	12		SUBTOTAL	14	
TOTAL HOURS IN PROGRAM: 120					