

2025–26 Physics–Astronomy 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.



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
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				
SUBTOTAL	16		SUBTOTAL	15	
SOPHOMORE FALL			SOPHOMORE SPRING		
PHYS 3100	3	Prereq: PHYS 2021 or 2121; MATH 1920 with C or better	Creativity and Cultural Expression Literature	3	TBC
PHYS 3150 (OR MATH 3120)	3	Consult with advisor	PHYS 3110	3	Prereq: PHYS 3100
Non-Written Communication	3	TBC	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	ASTR 2030 (OR ASTR 2040)	3	Consult with advisor
SUBTOTAL	15		SUBTOTAL	14	
JUNIOR FALL			JUNIOR SPRING		
ASTR 3400 (OR elective)	3	Consult with advisor	ASTR 2040 (OR ASTR 2030)	3	Consult with advisor
PHYS 3610 (OR PHYS 3400)	3	Consult with advisor	PHYS 3800	1	Prereq: PHYS 3100
Creativity and Cultural Expression	3	TBC; one must come from Discovery	Creativity and Cultural Expression	3	TBC; one must come from Discovery
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	Consult with advisor	Elective	3	Consult with advisor
ASTR 1031 (OR ASTR 3401)	1	Consult with advisor	Elective	3	Consult with advisor
SUBTOTAL	16		SUBTOTAL	16	
SENIOR FALL			SENIOR SPRING		
ASTR 3401 (OR ASTR 1031)	1	Consult with advisor	PHYS 3900	1	Prereq: PHYS 3110
ASTR 4850	2	Prereq: Consent of instructor	ASTR 4900	2	Prereq: ASTR 4850
History and Civic Learning	3	TBC; one must come from Discovery	History and Civic Learning	3	TBC; one must come from Discovery
Elective (OR ASTR 3400)	3	Consult with advisor	Elective	3	Consult with advisor
Elective	3	Consult with advisor	Elective	3	Consult with advisor
Elective	2	Consult with advisor	Elective	2	Consult with advisor
SUBTOTAL	14		SUBTOTAL	14	
TOTAL HOURS IN PROGRAM: 120					

Physics–Astronomy 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	Information Literacy	3	TBC
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	Non-Written Communication	3	TBC
PHYS 2010/2011 or PHYS 2110/2111	4	TBC; Major	CHEM 1120/1121	4	Prereq: CHEM 1110 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).	PHYS 2020/2021 or PHYS 2120/2121	4	Consult with advisor
PHYS 1010	1				
SUBTOTAL	16		SUBTOTAL	14	
FRESHMAN SUMMER					
Creativity and Cultural Expression Literature	3	TBC	MATH 1920	4	Prereq: MATH 1910 with C or better
SUBTOTAL	3		SUBTOTAL	4	
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)	3		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	2	Consult with advisor	ASTR 2030 (OR ASTR 2040)	3	Consult with advisor
Human Society and Social Relationships	3	TBC; one must come from Discovery	Creativity and Cultural Expression	3	TBC; one must come from Discovery
SUBTOTAL	14		SUBTOTAL	14	
JUNIOR FALL			JUNIOR SPRING		
ASTR 3400 (OR elective)	3	Consult with advisor	ASTR 2040 (OR ASTR 2030)	3	Consult with advisor
PHYS 3610 (OR PHYS 3400)	3	Consult with advisor	PHYS 3800	1	Prereq: PHYS 3100
Creativity and Cultural Expression	3	TBC; one must come from Discovery	Human Society and Social Relationships	3	TBC; one must come from Discovery
Elective	3	Consult with advisor	Elective	3	Consult with advisor
ASTR 1031 (OR ASTR 3401)	1	Consult with advisor	Elective	2	Consult with advisor
SUBTOTAL	13		SUBTOTAL	12	
JUNIOR SUMMER					
History and Civic Learning	3	TBC; one must come from Discovery	History and Civic Learning	3	TBC; one must come from Discovery
SUBTOTAL	3		SUBTOTAL	3	
SENIOR FALL			SENIOR SPRING		
ASTR 3401 (OR ASTR 1031)	1	Consult with advisor	PHYS 3900	1	Prereq: PHYS 3110
ASTR 4850	2	Prereq: Consent of instructor	ASTR 4900	2	Prereq: ASTR 4850
Elective (OR ASTR 3400)	3	Consult with advisor	Elective	3	Consult with advisor
Elective	3	Consult with advisor	Elective	3	Consult with advisor
Elective	3	Consult with advisor	Elective	3	Consult with advisor
SUBTOTAL	12		SUBTOTAL	12	
TOTAL HOURS IN PROGRAM: 120					