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.*

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	
PHYS 1010	1		PHYS 2020/2021 or PHYS 2120/2121	4	Consult with advisor	
PHYS 2010/2011 or PHYS 2110/2111 (Nat Sci)	4	Consult with advisor	MATH 1920	4		
MATH 1910	4	Take MATH 1730 first if weak background in Math. May take MATH 1910 with acceptable MATH ACT score (26).	CHEM 1120/1121	4		
CHEM 1110/CHEM 1111 (Nat Sci)	4		ENGL 1020 (Comm)	3		
ENGL 1010 (Comm)	3					
SUBTOTAL	16		SUBTOTAL	15		
		SOPHOMORE SPRING				
PHYS 3100 (or PHYS 3070)	3	Consult with advisor	PHYS 3110 (or PHYS 3080)	3	Consult with advisor	
PHYS 3150 (or MATH 3120 or MATH 3110)	3		PHYS 3111	1		
CSCI 1170	4		PHYS 3900	1		
COMM 2200 (Comm)	3		ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3		
Elective	3	Consult with advisor	HIST 2010, HIST 2020, or HIST 2030	3		
			Soc/Beh Sci (Rubric 1)	3		
SUBTOTAL	16		SUBTOTAL	14		
JUNIOR FALL			JUNIOR SPRING			
PHYS 3610 (or PHYS 3510 or PHYS 3400)	3		Cognate	3		
PHYS/ASTR upper division	3–4		Cognate	3		
Hum/FA (Rubric 1)	3		Soc/Beh Sci (Rubric 2)	3		
HIST 2010, HIST 2020, or HIST 2030	3		Hum/FA (Rubric 2)	3		
Elective	3		Elective	3	Consult with advisor	
SUBTOTAL	15–16		SUBTOTAL	15		
SENIOR FALL			SENIOR SPRING			
PHYS 4850	2		PHYS 4900	2		
PHYS/ASTR upper division	2–3		PHYS 3800	1		
Cognate	3		Cognate	3		
Cognate	3		Elective	3		
Elective	3	Consult with advisor	Elective	3		
			Elective	3		
SUBTOTAL	13–14		SUBTOTAL	15		
		TOTAL HOURS II	N PROGRAM: 120			

Suggested Summer/Fall/Spring Four-Year Schedule

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

FRESHMAN SUMMER								
Course	Hours	Milestones/Notes	Course	Hours	Milestones/Notes			
ENGL 1010 (Comm)	3		HIST 2010, HIST 2020, or HIST 2030	3				
SUBTOTAL	3		SUBTOTAL	3				
FRESHMAN	N FALL		FRESHMAN SPRING					
PHYS 2010/2011 or PHYS 2110/2111 (Nat Sci)	4	Consult with advisor	PHYS 2020/2021 or PHYS 2120/2121	4	Consult with advisor			
MATH 1910 (Math)	4	Take MATH 1730 first if weak background in Math. May take MATH 1910 with acceptable MATH ACT score (26).	MATH 1920	4				
CHEM 1110/1111 (Nat Sci)	4		CHEM 1120/1121	4				
ENGL 1020 (Comm)	3							
SUBTOTAL	15		SUBTOTAL	12				
SOPHOMORE SUMMER								
COMM 2200 (Comm)	3		ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3				
SUBTOTAL	3		SUBTOTAL	3				
SOPHOMORE FALL SOPHOMORE SPRING								
PHYS 3100	3		PHYS 3110	3				
PHYS 3150 (or MATH 3120 or MATH 3110)	3		PHYS 3111	1				
Elective	3		PHYS 1010	1				
Elective	3		CSCI 1170	4				
			Soc/Beh Sci (Rubric 1)	3				
SUBTOTAL	12		SUBTOTAL	12				
JUNIOR SUMMER								
Soc/Beh Sci (Rubric 2)	3		Hum/FA (Rubric 1)	3				
SUBTOTAL	3		SUBTOTAL	3				
JUNIOR I		JUNIOR SPRING						
PHYS 3610 (or 3510 or 3400)	3		Cognate	3				
PHYS/ASTR upper division	2–3		Cognate	3				
Elective	3	Consult with advisor	Hum/FA (Rubric 2)	3				
Elective	3	Consult with advisor	Elective	3				
HIST 2010, HIST 2020, or HIST 2030	3							
SUBTOTAL	14–15		SUBTOTAL	12				
SENIOR FALL			SENIOR SPRING					
PHYS 4850	2		PHYS 4900	2				
PHYS/ASTR upper division	3		PHYS 3800	1				
Cognate	3		Cognate	3				
Cognate	3		Elective	3				
PHYS 3900	1		Elective	3				
SUBTOTAL	12		SUBTOTAL	12	_			
TOTAL HOURS IN PROGRAM: 120								

Graduation information may be accessed at www.mtsu.edu/records/grad.php.