2017–18 Mathematics–Professional Mathematics (Industrial Track) Academic Map

Department of Mathematical Sciences

Middle Tennessee State University • Murfreesboro

MIDDLE TENNESSEE STATE UNIVERSITY.

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**
ENGL 1010 (Comm)	3		ENGL 1020 (Comm)	3	
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	Prereq: MATH 1910 with C or better
CSCI 1170	4	Prereq: MATH 1730 with C or better	CSCI 2170	4	Prereq: CSCI 1170 with C or better
COMM 2200 (Comm)	3		Nat Sci (Rubric 1)	4	
HIST 2010, HIST 2020, or HIST 2030	3				
SUBTOTAL	**17**		**SUBTOTAL**	**15**	
SOPHOMORE FALL			**SOPHOMORE SPRING**		
ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3		MATH 3460	3	Prereq: MATH 1920
PHYS 2110/2111 (Nat Sci)	4	Prereq: MATH 1910 with C or better	Minor/elective course	3	See advisor
MATH 3110	4	Prereq: MATH 1920	PHYS 2120/2121	4	Prereq: PHYS 2110, MATH 1920 with C or better
Soc/Beh Sci (Rubric 1)	3		Hum/FA (Rubric 1)	3	
Minor/elective course	3	See advisor			
SUBTOTAL	**17**		**SUBTOTAL**	**13**	
JUNIOR FALL			**JUNIOR SPRING**		
MATH 2010	3	Prereq: MATH 1910	MATH 2050 or STAT 3150	3	Prereq: MATH 1910 or MATH 1920
MATH 4250	3	Prereq: MATH 3110, MATH 3460	MATH 3260	3	Prereq: MATH 3120
MATH 3120	3	Prereq: MATH 1920 with C or better	MATH upper-division elective	3	See advisor
Soc/Beh Sci (Rubric 2)	3		Minor/elective course	3	See advisor
Minor/elective course	3	See advisor	HIST 2010, HIST 2020, or HIST 2030	3	
SUBTOTAL	**15**		**SUBTOTAL**	**15**	
SENIOR FALL			**SENIOR SPRING**		
MATH 4310	3	Prereq: CSCI 1170, MATH 2010	MATH 4990	3	Taken in final semester
MATH or STAT elective	3	Choose from MATH 4230, 4270, 4320, 4601, 4700; STAT 4190.	MATH or STAT elective	3	Choose from MATH 4230, 4270, 4320, 4601, 4700; STAT 4190.
MATH or STAT elective	3	Choose from MATH 4230, 4270, 4320, 4601, 4700; STAT 4190.	Minor/elective course	3	See advisor
Minor/elective course	3	See advisor	Elective	4	
Hum/FA (Rubric 2)	3				
SUBTOTAL	**15**		**SUBTOTAL**	**13**	
TOTAL HOURS IN PROGRAM: 120					

Mathematics–Professional Mathematics (Industrial Track)
Suggested Fall/Spring/Summer Four-Year Schedule

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

FRESHMAN FALL			FRESHMAN SPRING		
Course	**Hours**	**Milestones/Notes**	**Course**	**Hours**	**Milestones/Notes**
MATH 1910 (Math)	4	Take MATH 1730 first if weak background in Math; may take MATH 1910 with acceptable Math ACT score (26).	CSCI 2170	4	Prereq: CSCI 1170 with C or better
ENGL 1010 (Comm)	3		MATH 1920	4	Prereq: MATH 1910 with C or better
CSCI 1170	4	Prereq: MATH 1730 with C or better	Nat Sci (Rubric 1)	4	
COMM 2200 (Comm)	3				
SUBTOTAL	**14**		**SUBTOTAL**	**12**	
FRESHMAN SUMMER					
MATH 3110	4	Prereq: MATH 1920	ENGL 1020 (Comm)	3	
SUBTOTAL	**4**		**SUBTOTAL**	**3**	
SOPHOMORE FALL			**SOPHOMORE SPRING**		
ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3		PHYS 2120/2121	4	Prereq: PHYS 2110, MATH 1920 with C or better
PHYS 2110/2111 (Nat Sci)	4	Prereq: MATH 1910 with C or better	Minor/elective course	3	See advisor
Minor/elective course	3	See advisor	MATH 2010	3	Prereq: MATH 1910
Soc/Beh Sci (Rubric 1)	3		Hum/FA (Rubric 1)	3	
SUBTOTAL	**13**		**SUBTOTAL**	**13**	
SOPHOMORE SUMMER					
MATH 3460	3	Prereq: MATH 1920	HIST 2010, HIST 2020, or HIST 2030	3	
SUBTOTAL	**3**		**SUBTOTAL**	**3**	
JUNIOR FALL			**JUNIOR SPRING**		
MATH 4250	3	Prereq: MATH 3110, MATH 3460	MATH 3260	3	Prereq: MATH 3120
MATH 3120	3	Prereq: MATH 1920 with C or better	MATH upper-division elective	3	See advisor
Minor/elective course	3	See advisor	Minor/elective course	3	See advisor
Soc/Beh Sci (Rubric 2)	3		HIST 2010, HIST 2020, or HIST 2030	3	
SUBTOTAL	**12**		**SUBTOTAL**	**12**	
JUNIOR SUMMER					
MATH 2050 or STAT 3150	3	Prereq: MATH 1910 or MATH 1920	Hum/FA (Rubric 2)	3	
SUBTOTAL	**3**		**SUBTOTAL**	**3**	
SENIOR FALL			**SENIOR SPRING**		
MATH 4310	3	Prereq: CSCI 1170, MATH 2010	MATH 4990	3	Taken in final semester
MATH or STAT elective	3	Choose from MATH 4230, 4270, 4320, 4601, 4700; STAT 4190.	MATH or STAT elective	3	Choose from MATH 4230, 4270, 4320, 4601, 4700; STAT 4190.
MATH or STAT elective	3	Choose from MATH 4230, 4270, 4320, 4601, 4700; STAT 4190.	Minor/elective course	3	See advisor
Minor/elective course	3	See advisor	Elective	4	
SUBTOTAL	**12**		**SUBTOTAL**	**13**	
TOTAL HOURS IN PROGRAM: 120					