

# 2014–15 Mathematics–Professional Mathematics (Industrial Track) Academic Map

## Department of Mathematical Sciences 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](http://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	
CSCI 1170	4		CSCI 2170	4	
COMM 2200 (Comm)	3		Nat Sci (Rubric 1)	4	
HIST 2010, HIST 2020, or HIST 2030	3				
<b>SUBTOTAL</b>	<b>17</b>		<b>SUBTOTAL</b>	<b>15</b>	
SOPHOMORE FALL			SOPHOMORE SPRING		
ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3		MATH 3460	3	
PHYS 2110/2111 (Nat Sci)	4		Minor course*	3	See advisor
MATH 3110	4		PHYS 2120/2121	4	
Soc/Beh Sci (Rubric 1)	3		Hum/FA (Rubric 1)	3	
Minor course*	3	See advisor			
<b>SUBTOTAL</b>	<b>17</b>		<b>SUBTOTAL</b>	<b>13</b>	
JUNIOR FALL			JUNIOR SPRING		
MATH 2010	3		MATH 2050 or STAT 3150	3	
MATH 4250	3		MATH 3260	3	
MATH 3120	3		MATH upper-division elective	3	See advisor
Soc/Beh Sci (Rubric 2)	3		Minor course*	3	See advisor
Minor course*	3	See advisor	HIST 2010, HIST 2020, or HIST 2030	3	
<b>SUBTOTAL</b>	<b>15</b>		<b>SUBTOTAL</b>	<b>15</b>	
SENIOR FALL			SENIOR SPRING		
MATH 4310	3		MATH 4990	3	
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 course*	3	See advisor
Minor course*	3	See advisor	Elective	4	
Hum/FA (Rubric 2)	3				
<b>SUBTOTAL</b>	<b>15</b>		<b>SUBTOTAL</b>	<b>13</b>	

*\*NOTE: Minor must be chosen from Computer Science, Physics, Chemistry, Biology, Aerospace, or Engineering Technology.*

**TOTAL HOURS IN PROGRAM: 120**

# Mathematics–Professional Mathematics (Industrial Track)

## Suggested Summer/Fall/Spring Four-Year Schedule

Refer to [www.mtsu.edu/financial-aid/scholarships](http://www.mtsu.edu/financial-aid/scholarships) for information regarding use of the Lottery Scholarship for the summer term.

<b>FRESHMAN SUMMER</b>								
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).	ENGL 1010 (Comm)	3				
<b>SUBTOTAL</b>	<b>4</b>		<b>SUBTOTAL</b>	<b>3</b>				
<b>FRESHMAN FALL</b>								
MATH 1920	4		CSCI 2170	4				
ENGL 1020 (Comm)	3		MATH 3110	4				
CSCI 1170	4		Nat Sci (Rubric 1)	4				
COMM 2200 (Comm)	3		<b>SUBTOTAL</b>	<b>12</b>				
<b>SUBTOTAL</b>	<b>14</b>		<b>FRESHMAN SPRING</b>					
<b>SOPHOMORE SUMMER</b>								
MATH 3460	3		HIST 2010, HIST 2020, or HIST 2030	3				
<b>SUBTOTAL</b>	<b>3</b>		<b>SUBTOTAL</b>	<b>3</b>				
<b>SOPHOMORE FALL</b>								
ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA)	3		PHYS 2120/2121	4				
PHYS 2110/2111 (Nat Sci)	4		Minor course*	3	See advisor			
Minor course*	3	See advisor	MATH 2010	3				
Soc/Beh Sci (Rubric 1)	3		Hum/FA (Rubric 1)	3				
<b>SUBTOTAL</b>	<b>13</b>		<b>SUBTOTAL</b>	<b>13</b>				
<b>JUNIOR SUMMER</b>								
MATH 2050 or STAT 3150	3		Hum/FA (Rubric 2)	3				
<b>SUBTOTAL</b>	<b>3</b>		<b>SUBTOTAL</b>	<b>3</b>				
<b>JUNIOR FALL</b>								
MATH 4250	3		MATH 3260	3				
MATH 3120	3		MATH upper-division elective	3	See advisor			
Minor course*	3	See advisor	Minor course*	3	See advisor			
Soc/Beh Sci (Rubric 2)	3		HIST 2010, HIST 2020, or HIST 2030	3				
<b>SUBTOTAL</b>	<b>12</b>		<b>SUBTOTAL</b>	<b>12</b>				
<b>SENIOR FALL</b>								
MATH 4310	3		MATH 4990	3				
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 course*	3	See advisor			
Minor course*	3	See advisor	Elective	4				
<b>SUBTOTAL</b>	<b>12</b>		<b>SUBTOTAL</b>	<b>13</b>				

\*NOTE: Minor must be chosen from Computer Science, Physics, Chemistry, Biology, Aerospace, or Engineering Technology.

**TOTAL HOURS IN PROGRAM: 120**