

Math Bachelor of Science Major/Pre-Professional Secondary Education Minor Suggested Academic Plan

Use the Mathematics Endorsement Requirements Checklist on the MSME Website for more information and guidance on course selection.

Year 1	Fall	Cr.	Spring	Cr.	Summer	Cr.
<i>Students must complete all Madison Foundations courses by end of first year.</i>	C5WD	3	MATH 236 (BS Quantitative Reasoning)	4	*Take ALEKS/Praxis Core Math	
	C1HC or C1CT	3	MATH 229	3	*Complete CPR/First Aid/AED	
	WRTC 103 (C1W)	3	EDUC 200	3		
	MATH 235 (C3QR; see note)	4	C4GE	3		
	PSYC 160 (C5SD)	3	C1HC or C1CT	3		
	*Attend TE meeting in November.					
	Total Credits	16	Total Credits	16	Total Credits	
Year 2	Fall	Cr.	Spring	Cr.	Summer	Cr.
	MATH 237	4	MATH 300	3		
	MATH 245	3	MATH 329 (see note)	3		
	C3PP/C3NS	3	MSSE 210	3		
	C4AE	4	MATH 336 (see note)	3		
	MSSE 101	1	C3PP/C3NS	3		
			C3Lab	1		
			*Be admitted to TE by 3/1			
	Total Credits	15	Total Credits	16	Total Credits	
Year 3	Fall	Cr.	Spring	Cr.	Summer	Cr.
<i>Enrollment in MSSE 370 and MSSE 371 requires admission to the Teacher Education Program and must be completed no later than fall of senior year.</i>	MATH 310 or MATH 315 (see note)	3	MATH 410	3		
	MATH 475 (fall only)	3	MATH 248	4		
	MSSE 370	3	C2VPA	3		
	MSSE 371	1	Elective	3		
	C2HQC	3	Elective	3		
	Elective	3				
	Total Credits	16	Total Credits	16	Total Credits	
Year 4	Fall	Cr.	Spring	Cr.	Summer - GRAD	Cr.
<i>MSSE 370, MSSE 371, and MSSE 210, must be completed before enrolling in MSSE 413, MSSE 415, and LED 440.</i>	C2L	3	MATH 415 (spring only)	3	EDUC 540 (spring/summer)	3
	BS Scientific Literacy	3	MSSE 413 (spring only)	3	EXED 512 (spring/summer)	3
	Elective	3	MSSE 415	3	MSSE 607 (summer/fall)	3
	MATH 430	3	LED 440	3	MSSE 625 (spring/summer)	3
	MATH 470 (fall only)	3	(Optional elective)	(3)		
	*Attend Student Teaching meeting.		*Apply to graduate undergrad.		*Passing score on Praxis SA required by August 15.	
	*Apply to Graduate School		*Attempt Praxis SA by 3/1.			
	Total Credits	15	Total Credits	12	Total Credits	12

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Year 5	Fall - GRAD	Cr.	Spring - GRAD	Cr.	Summer	Cr.
	MSSE 543 (fall only)	3	MSSE 650	3	<i>*Apply for Teaching License</i>	
	MSSE 548 (fall only)	3	MSSE 675 #1 (student teaching)	3		
	MSSE 620 (spring/fall)	3	MSSE 675 #2 (student teaching)	3		
	MSSE 630 (fall only)	3				
	<i>*Apply to graduate Graduate School</i>		<i>*graduate from Graduate School</i>			
	Total Credits	12	Total Credits	9	Total Credits	

Notes:

- The General Education area codes (C3PP, C2L, etc.) are used in this plan to minimize text. Please reference the General Education Planner found on the General Education website (www.jmu.edu/gened) for more information.
- Bolded classes should stay in the semester in which they are planned due to pre-requisites, co-requisites, or the term the course is offered. Talk with your Pre-professional Secondary Education minor advisor if you think you need or would like to take a bolded course in a different semester.
- If you place into MATH 231, then take MATH 232 in Spring of your first year and MATH 236 in Fall of sophomore year. Work with your Math advisor to determine when you'll take MATH 237.
- Check with the Math Department: If MATH 310 or MATH 315 will not offered in fall of your junior year, swap with MATH 329 or MATH 336 in spring of your sophomore year.

This document is provided as an advising resource only. Official curriculum requirements are listed in the JMU Undergraduate Catalog and the JMU Graduate Catalog. In the case of discrepancies, the University Catalog is the official curriculum students must follow. This document was reviewed by the Middle, Secondary, and Mathematics Education Academic Unit Head on June 1, 2024.