

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

Use the Chemistry 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>	CHEM 131 (C3PP)	3	CHEM 132 (BS Scientific Literacy)	3	*Take ALEKS/Praxis Core Math	
	CHEM 135L (C3L)	1	CHEM 136L	2	*Complete CPR/First Aid/AED	
	MATH 235 (C3QR)	4	MATH 236 (BS Quantitative Reasoning)	4		
	C1HC or C1CT	3	C1CT or C1HC	3		
	WRTC 103 (C1W)	3	BIO 140 (C3NS)	3		
			BIO 140L	1		
			<i>*Attend TE meeting in Feb/Mar.</i>			
	Total Credits	14	Total Credits	16	Total Credits	
Year 2	Fall	Cr.	Spring	Cr.	Summer	Cr.
	CHEM 241 (fall only)	3	CHEM 242 (spring only)	3		
	CHEM 287L (fall only)	2	CHEM 288L (spring only)	2		
	PHYS 240	3	CHEM 270 (spring only)	3		
	PHYS 240L (fall only)	1	PHYS 250	3		
	C5WD	3	PHYS 250L (spring only)	1		
	EDUC 200	3	PSYC 160 (C5SD)	3		
	MSSE 101	1	<i>*Be admitted to TE by 3/1</i>			
	Total Credits	16	Total Credits	15	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 spring of junior year.</i>	CHEM 351 (fall only)	4	MSSE 370	3		
	MSSE 210	3	MSSE 371	1		
	CHEM 481 (fall only)	1	CHEM 352 (spring only)	3		
	CHEM 325 (fall only, odd years)	1	CHEM 352L (spring only)	2		
	GEOL 355 (fall only)	3	CHEM 482 (spring only)	1		
	C2HQC	3	C4GE	3		
	MSSE 101	1	C2L	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 414, MSSE 415, and LED 440.</i>	MSSE 414 (fall only)	3	CHEM 331 (spring only)	3	EDUC 540 (spring/summer)	3
	MSSE 415	3	CHEM 336L (spring only)	2	EXED 512 (spring/summer)	3
	LED 440	3	C4AE	4	MSSE 607 (summer/fall)	3
	CHEM 361	3	Elective	3	MSSE 625 (spring/summer)	3
	C2VPA	3	Elective	3		
	<i>*Apply to the graduate school.</i>		<i>*Apply to graduate undergrad.</i>		<i>*Passing score on Praxis SA required by August 15.</i>	
	<i>*Attend Student Teaching meeting.</i>		<i>*Attempt Praxis SA by 3/1.</i>			
	Total Credits	15	Total Credits	15	Total Credits	12

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Year 5	Fall - GRAD	Cr.	Spring - GRAD	Cr.	Summer	Cr.
	MSSE 544 (fall only)	3	MSSE 650	3	<i>*Apply for Teaching License</i>	
	MSSE 549 (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.