

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

Use the Earth Science 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>	C1HC or C1CT	3	CHEM 131 (C3PP)	3	*Take ALEKS/Praxis Core Math	
	C5WD	3	CHEM 131L	1	*Complete CPR/First Aid/AED	
	MATH 205 (C3QR)	3	WRTC 103 (C1W)	3		
	Structural Geology Course (C3NS)	3	C1HC or C1CT	3		
	GEOL 110L (C3L)	1	EDUC 200	3		
	GEOL 167 (fall only)	3	GEOL 230	4		
	*Attend TE meeting in November.					
	Total Credits	16	Total Credits	17	Total Credits	
Year 2	Fall	Cr.	Spring	Cr.	Summer	Cr.
	Foreign Language 101	4	Foreign Language 102	4		
	C2VPA	3	GEOL 320	3		
	GEOL 211 (C3NS) or GEOL 401 (fall only)	3	GEOL 377 (spring only)	3		
	BIO 140	3	GEOL 291	1		
	BIO 140L	1	Math #2 (recom. MATH 220)	3		
	MSSE 210	3	PSYC 160 (C5SD)	3		
			*Be admitted to TE by 3/1			
	Total Credits	17	Total Credits	17	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>	GEOL 307 (fall only) or ASTR 220	3	MSSE 370	3		
	GEOL 367 (fall only)	4	MSSE 371	1		
	PHYS 140	3	Foreign Language 232 (BA Language)	3		
	PHYS 140L	1	C2HQC	3		
	Foreign Language 231	3	C4GE	3		
	MSSE 101	1	Philosophy (BA Req.)	3		
	Total Credits	15	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	GEOL 491	2	EDUC 540 (spring/summer)	3
	MSSE 415	3	GEOL 477 (spring only)	4	EXED 512 (spring/summer)	3
	LED 440	3	C4AE	4	MSSE 607 (summer/fall)	3
	GEOL 387 (fall only)	4	Cognate Elect. (see catalog for options)	4	MSSE 625 (spring/summer)	3
	C2L	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	16	Total Credits	14	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 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.

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.