

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

Use the Biology 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>	BIO 140 (C3NS)	3	BIO 150 (BS Scientific Literacy)	3	*Take VCLA	
	BIO 140L (C3L)	1	BIO 150L	1	*Take ALEKS/Praxis Core Math	
	WRTC 103 (C1W)	3	CHEM 132	3	*Complete CPR/First Aid/AED	
	CHEM 131 (C3PP)	3	CHEM 132L	1		
	CHEM 131L	1	C1CT	3		
	C1HC	3	MATH Statistics (C3QR)	3		
	*Attend TE meeting in November.					
	Total Credits	14	Total Credits	14	Total Credits	
Year 2	Fall	Cr.	Spring	Cr.	Summer	Cr.
	BIO 240 or BIO 250 (recommended)	3	BIO 240 or BIO 250	3		
	BIO 240L or BIO 250L	1	BIO 240L or BIO 250L	1		
	EDUC 200	3	EDUC 310	3		
	CHEM 241	3	C5WD	3		
	MATH #2 (BS Quant. Reas.)	3	C4AE	4		
	PSYC 160 (C5SD)	3	MSSE 101	1		
			*Be admitted to TE by 3/1			
	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>	PHYS 140	3	PHYS 150	3		
	PHYS 140L	1	PHYS 150L	1		
	MSSE 370	3	BIO elect. (organismal diversity/botany)	3		
	MSSE 371	1	BIO elective	3		
	GEOL 355 (fall only; Earth Sci. req.)	3	C2VPA	3		
	BIO elective w/lab	4	C4GE	3		
	Total Credits	15	Total Credits	16	Total Credits	
Year 4	Fall	Cr.	Spring	Cr.	Summer - GRAD	Cr.
<i>MSSE 370, MSSE 371, and EDUC 310, must be completed before enrolling in MSSE 414, MSSE 415, and LED 440. Apply to The Graduate School by April 1 of senior year.</i>	MSSE 414 (fall only)	3	BIO elective	4	EDUC 540	3
	MSSE 415	3	BIO elective	3	EXED 512	3
	LED 440	3	BIO elective (anatomy/physiology)	3	MSSE 607	3
	C2L	3	C2HQC	3	MSSE 625	3
	BIO elect. w/lab (org. diversity/zoology)	4	Elective	3		
	*Attend Student Teaching meeting.		*Graduate undergrad.		*Passing score on Praxis SA required by August 15.	
	*Apply to graduate undergrad		*Attempt Praxis SA by 3/1.			
	Total Credits	16	Total Credits	16	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		
	EXED 520	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	