

Major Program Guide For: BS-MS in Biology  
**Concentration: ABM-Ecology, Evolution & Organismal Biology**  
 Suggested Course Sequence

**Freshman Year**

Fall				Spring			
Course Prefix or LS Requirement	Course Number	Course Title	Hours	Course Prefix or LS Requirement	Course Number	Course Title	Hours
BIOL	139	General Biology I	4	BIOL	140	General Biology II	4
CHEM	139	General Chemistry I	4	CHEM	140	Advanced General Chemistry	4
ENGL	101	Composition I	3	BIOL	180	Intro to Biol Research	1
HEAL or HSCC <sup>4</sup>		Wellness	3	COMM	201	Intro to Speech Comm	3
First Year Seminar	190		3	P1		Social Sciences	3
			17				15

**Sophomore Year**

Fall				Spring			
Course Prefix or LS Requirement	Course Number	Course Title	Hours	Course Prefix or LS Requirement	Course Number	Course Title	Hours
BIOL	240	Genetics	4	BIOL	241	Ecology & Evolution	4
CHEM	241	Organic Chemistry I	4	CHEM	242	Organic Chemistry II	4
MATH	146 or 153	Precalculus II or Calculus	4	P3		History	3
ENGL	202	Composition II	3	MATH	153 or 270	Calculus	3-4
			15				14-15

**Junior Year**

Fall				Spring			
Course Prefix or LS Requirement	Course Number	Course Title	Hours	Course Prefix or LS Requirement	Course Number	Course Title	Hours
BIOL	304	General Ecology	3	BIOL	467/567	Biostatistics	3
BIOL	306	Evolutionary Biology	3	PHYS	131 or 231	Physics II	4
PHYS	130 or 230	Physics I	4	P1		Social Science (ULP <sup>6</sup> )	3
P5		Fine & Performing Arts	3	P4		Humanities	3
P6		World Cultures	3				
BIOL	493	Std Biol (indep research)	1-3	BIOL	493	Std Biol (indep research)	1-3
			17-19				14-16

**Senior Year**

Fall				Spring			
Course Prefix or LS Requirement	Course Number	Course Title	Hours	Course Prefix or LS Requirement	Course Number	Course Title	Hours
BIOL	480	Research in Biology	3	BIOL	480	Research in Biology	3
BIOL	697	Intro to Grad Studies	2	BIOL		CURE Elec or Grad equiv	3-4
BIOL	375/675	(Adv)Meth Eco & Evo	4	BIOL	4xx/5xx	Jr-Sr-Grad Elective	3-4
BIOL	4xx/5xx	Jr-Sr-Grad Elective	3-4	BIOL	4xx/5xx	Jr-Sr-Grad Elective	3-4
BIOL	496/696	Seminar in Biology	1				
			13-14				12-15
<b>MS Year</b>							
<b>Summer</b>							
BIOL	699	Thesis	1-3				
<b>Fall</b>							
<b>Spring</b>							
Course Prefix or LS Requirement	Course Number	Course Title	Hours	Course Prefix or LS Requirement	Course Number	Course Title	Hours
BIOL	699	Thesis	3 <sup>1</sup>	BIOL	696	Seminar in Biology	1
BIOL	696	Seminar in Biology	1	BIOL	699-799	Thesis/Cont. Research	3-5
BIOL	500-600	Elective	3-4	BIOL	500-600	Elective	3-4
BIOL	500-600	Elective	3-4				
Total			9	Total			9

Notes:

<sup>1</sup>30 graduate credits are required for the MS, including 6 BIOL 699 (Thesis) credits

Enrolling in fewer than 12 hours of undergraduate credits per semester can affect federal financial aid

Blue highlight = undergraduate research credits

Green highlight = possible graduate credits taken as an undergrad up to a maximum of 12 hours; these count toward both degrees

**Bold are required courses**