

College of Science - Biology, BA				
Catalog Year: 2019 - 2020			Grades	
Mason Core Requirements: 27 credits	Course Information	Credits	Earned	Needed
Written Communication:	ENGH 101 (100)	3		
Oral Communication:		3		
*Quantitative Reasoning	*Satisfied by Major Requirements			
*Information Technology	*Satisfied by Major Requirements			
Arts		3		
Global Understanding		3		
Literature		3		
*Natural Science	*Satisfied by Major Requirements			
Social & Behavioral Sciences		3		
Western Civilization/World History		3		
Written Communication:	ENGH 302	3		
Synthesis/Capstone		3		
College Level Requirements for the BA Degree				
<b>Philosophy or Religious Studies</b>		3		
(PHIL 323, 324 cannot be used to fulfill this requirement.)				
<b>Additional Social &amp; Behavioral Sciences</b>		3		
(The two courses used to fulfill the combined college and university requirements must be from different disciplines. This requirement may be fulfilled by completing any course in ANTH, CRIM, ECON, GOVT, HIST (except 100 or 125), LING, PSYC, or SOCI & these courses in GGS: 101, 103, 110, 301, 303, 304, 305, 306, 315, 316, 320, 325, 330, 357, 380)				
<b>Foreign Language</b>		0-12		
(Intermediate level in a single language by completing a course in a foreign language numbered 202 (or higher); or achieving a satisfactory score on an approved proficiency test; or by completing the following ASL three course sequence EDSE 115, 116, and EDSE 219; or students who are already proficient in a second language may be eligible for a waiver of this requirement)				
<b>Non-Western Culture</b>		3		
(Approved courses for this requirement may be found under Degree Requirements for the major listed within the University Catalog. The course used for this requirement may not simultaneously fulfill Mason Core Global Understanding)				
Major Requirements (53-58 credits)				
A minimum GPA of 2.0 in the BIOL courses listed in the degree program				
<b>Biology Core (21 credits)</b>	Minimum grade of C required in all BIOL core courses	Credits	Earned	Needed
BIOL 213	Cell Structure and Function (Mason Core)	4		
BIOL 214	Biostatistics for Biology Majors	4		
BIOL 300	BioDiversity	4		
BIOL 308	Foundations of Ecology and Evolution 1	5		
BIOL 311	General Genetics	4		
<b>Electives in the Major (11 credits):</b> Must include 6 credits of upper-level credits and one lab. MAX 4 credits of BIOL 103 or BIOL 107/106 may apply toward elective credit if taken prior to BIOL 213. BIOL 124/135 may not apply to degree. BIOL 493, 495, and 497 cannot apply to this requirement. (BIOL 301 may not apply to Biology major or minor elective credit)				
Major Elective #1:				
Major Elective #2:				
Major Elective #3:				
<b>Additional Supporting Courework (21-26 credits) A min GPA of 2.0 in the supporting courses in the degree program</b>				
CHEM 211/213	General Chemistry I with Lab	3/1		
CHEM 212/214	General Chemistry II with Lab	3/1		
CDS 130 or Any approved Mason Core IT req course		3-4		
One from the following: MATH 111, 113, 123/124		4-6		
<b>Additional Natural Science (6-8 credits):</b> Chosen from: ASTR 103, 111, 113; GEOL 101, 102; PHYS 160, 243, 245, 260				
Additional Natural Science Course #1:		3-4		
Additional Natural Science Course #2:		3-4		
Degree Notes				
Any remaining credits may be completed with elective courses to bring the degree total to 120 with 45 of these credits at the 300/400 level. . <b>Note for Students Expecting to Enter Graduate School: Students are encouraged to complete: MATH 113 &amp; 114; CHEM 315/318 &amp; 314/318; PHYS 243/244 &amp; 245/246</b>				
<b>Advisor Notes:</b>				

BA BIOLOGY

For Students who have taken AP/IB biology regardless of AP/IB score

**Starting with BIOL213**

Fall (Semester 1)	Credits	Spring (Semester 2)	Credits
<b>BIOL213</b>	<b>4</b>	<b>BIOL214</b>	<b>4</b>
Mason Core	3	Mason Core	3
CHEM211/213	4	CHEM212/214	4
Mason Core	3	Mason Core	3
Univ100	1	Recr	1
<b>TOTAL</b>	<b>15</b>		<b>15</b>

Fall (Semester 3)	Credits	Spring (Semester 4)	Credits
<b>BIOL300</b>	<b>4</b>	<b>BIOL311</b>	<b>4</b>
MATH	3-4	Mason Core	3
Foreign Language	6	Foreign Language	3
		Mason Core	3
		Gen elective	3
<b>TOTAL</b>	<b>13-14</b>		<b>16</b>

Fall (Semester 5)	Credits	Spring (Semester 6)	Credits
<b>BIOL elective with lab</b>	<b>4</b>	<b>BIOL elective</b>	<b>3</b>
Mason Core	3-4	Mason Core	3
College NS	3-4	College NS	3-4
Mason Core	3	College NWC	3
		Gen elective	<b>3</b>
<b>TOTAL</b>	<b>13-15</b>		<b>15-16</b>

Fall (Semester 7)	Credits	Spring (Semester 8)	Credits
<b>BIOL 308</b>	<b>5</b>	<b>BIOL elective</b>	<b>3</b>
elective	3	Mason Core	3
Mason Core	3	elective	3
Elective	3	Elective	3
		Elective	3
<b>TOTAL</b>	<b>14-15</b>		<b>15</b>

Need 120 credits overall, 21 Biol core + 11 Biol elective (1 upper division lab courses)

BA BIOLOGY  
Starting with BIOL103

Fall (Semester 1)	Credits	Spring (Semester 2)	Credits
<b>BIOL103</b>	<b>4</b>	<b>BIOL213</b>	<b>4</b>
Mason Core	3	Mason Core	3
CHEM211/213	4	CHEM212/214	4
Mason Core	3	Mason Core	3
Univ100	1	RECR	1
<b>TOTAL</b>	<b>15</b>		<b>15</b>

Fall (Semester 3)	Credits	Spring (Semester 4)	Credits
<b>BIOL300</b>	<b>4</b>	<b>BIOL214</b>	<b>4</b>
MATH	3-4	Mason Core	3
Foreign Language	6	Foreign Language	3
		Mason Core	3
		Gen elective	3
<b>TOTAL</b>	<b>13-14</b>		<b>16</b>

Fall (Semester 5)	Credits	Spring (Semester 6)	Credits
<b>BIOL 311</b>	<b>4</b>	<b>BIOL elective</b>	<b>3</b>
Mason Core	3-4	Mason Core	3
College NS	3-4	College NS	3-4
Mason Core	3	College NWC	3
		Gen elective	<b>3</b>
<b>TOTAL</b>	<b>13-15</b>		<b>15-16</b>

Fall (Semester 7)	Credits	Spring (Semester 8)	Credits
<b>BIOL 308</b>	<b>5</b>	<b>BIOL elective with Lab</b>	<b>4</b>
elective	3	Mason Core	3
Mason Core	3	elective	3
Elective	3	Elective	3
		Elective	3
<b>TOTAL</b>	<b>14-15</b>		<b>16</b>

Need 120 credits overall, 21 Biol core + 11 Biol elective (1 upper division lab courses)