Catalog Year: 2019 - 2020 Mason Core Requirements: 27 credits Course Information Written Communication: ENGH 101 (100) Oral Communication: *Satisfied by Major Requirements *Information Technology *Satisfied by Major Requirements *Information Technology *Satisfied by Major Requirements *Information Technology *Satisfied by Major Requirements Social & Behavioral Sciences *Satisfied by Major Requirements Social & Behavioral Sciences *Satisfied by Major Requirements Written Communication: ENGH 302 Synthesis/Capstone Major Requirements (74-81 credits) A minimum GPA of 2.0 in the BIOL courses listed in the degree program. 44 credits in biol BIOL 213 Cell Structure and Function (Mason Core) BIOL 214 Biostatistics for Biology Majors BIOL 300 Biodiversity BIOL 303 Foundations of Ecology and Evolution 1 BIOL 311 General Chemistry I with Lab CHEM 212/214 General Chemistry I with Lab CHEM 212/214 General Chemistry I and Organic Chemistry Lab I One from the following Mason Core IT req course One from the followi		Gr	adoc
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	3 & 114		

BS 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
BIOL213	4	BIOL300	4
Mason Core	3	МАТН	3-4
CHEM211, CHEM213	4	CHEM212, CHEM214	4
Mason Core	3	Mason Core	3
BIOL101 or Univ100	1		
TOTAL	15	TOTAL	14-15

Can take Biol214 with Biol213 first semester.

Fall (Semester 3)	Credits	Spring (Semester 4)	Credits
BIOL214	4	BIOL 311	4
Mason Core or MATH*	3-4	Mason Core	3
Chem 313	3	CHEM 314**	3
Chem 315	2	CHEM 318**	2
Mason Core	3	Mason Core	3-4
TOTAL	15-16	TOTAL	15-16

* 2nd math not required but many professional schools require 2 semesters calculus

** Can take 2 semesters GEOL or an >300 chemistry course instead

Fall (Semester 5)	Credits	Spring (Semester 6)	Credits
BIOL elective with lab	4	BIOL elective with lab	4
Mason Core	3-4	BIOL elective	3
Physics lecture	3	Physics lecture	3
Physics Lab	1	Physics lab	1
elective	3	Mason Core	3
TOTAL	15-16	TOTAL	14

Fall (Semester 7)	Credits	Spring (Semester 8)	Credits
BIOL308	5	BIOL elective	3
BIOL elective	3	BIOL elective	3
ENGH302	3	BIOL elective	3
Elective	3-4	Synthesis	3
		Elective	3
TOTAL	14-15	TOTAL	15

Note: need 22 credits biology elective. 2 courses with labs at >300 level. Can take Senior seminar as a biology elective. Need 120 credits to graduate

BS BIOLOGY Starting with BIOL103

Fall (Semester 1)	Credits	Spring (Semester 2)	Credits
BIOL103	4	BIOL213	4
Mason Core	3	МАТН	3-4
CHEM211, CHEM213	4	CHEM212, CHEM214	4
Mason Core	3	Mason Core	3
BIOL101 or Univ100	1		
TOTAL	15	TOTAL	14-15

Fall (Semester 3)	Credits	Spring (Semester 4)	Credits
BIOL214	4	BIOL300	4
Mason Core or MATH*	3-4	Mason Core	3
Chem 313	3	CHEM 314**	3
Chem 315	2	CHEM 318**	2
Mason Core	3	Mason Core	3
TOTAL	15-16	TOTAL	15

• 2nd math not required but many professional schools require 2 semesters calculus

• ** can take 2 semesters GEOL or an >300 chemistry course instead

Fall (Semester 5)	Credits	Spring (Semester 6)	Credits
BIOL elective with lab	4	BIOL elective with lab	4
Mason Core	3-4	BIOL311	4
Physics lecture	3	Physics lecture	3
Physics Lab	1	Physics lab	1
elective	3	Mason Core	3
TOTAL	14-15	TOTAL	15

Fall (Semester 7)	Credits	Spring (Semester 8)	Credits
BIOL308	5	BIOL elective	3
BIOL elective	3	BIOL elective	3-4
BIOL elective	3	Synthesis	3
Mason Core	3	Elective	3
		Elective	3
TOTAL	14	TOTAL	15-16

Note: need 22 credits biology elective. 2 courses with labs at >300 level. Can take Senior seminar as a biology elective. Need 120 credits to graduate