

GEORGE MASON UNIVERSITY
COLLEGE OF SCIENCE
B.A. DEGREE IN BIOLOGY (1200 Exploratory Hall, 703-993-1050)
<http://biology.gmu.edu/>
2018 - 2019 CATALOG

	<u>Department(s) & Course #(s)</u>	<u>Completed/ Grade(s)</u>	<u>Needed</u>
<u>MASON CORE REQUIREMENTS (27 credits)</u>			
a. Written Communication: ENGH 101 (100), ENGH 302 (C or better) (3,3)		_____	_____
b. Oral Communication: COMM 100 or 101 (circle choice) (3)		_____	_____
c. Quantitative Reasoning (satisfied by completion of major requirements)			
d. Literature (3)			
e. Arts (3)	_____	_____	_____
f. Western Civilization (3)	_____	_____	_____
g. Social & Behavioral Science (3)	_____	_____	_____
h. Natural Science (satisfied by completion of major requirements)			
i. Global Understanding (3)	_____	_____	_____
j. Information Technology (satisfied by completion of major requirements)			
k. Synthesis (3)	_____	_____	_____

Go to: <http://catalog.gmu.edu/mason-core/> to link to information on Mason Core requirements.

COLLEGE REQUIREMENTS (*18 credits)

- a. Foreign Language: Intermediate level in a single foreign language.
- b. Philosophy or Religious Studies (3) (not PHIL 323 or 324) _____
- c. Three credits in social & behavioral sciences in addition to the university-wide requirement in social & behavioral science for a total of 6 credits. 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 _____
- d. Non-Western Culture (3) _____

*The number of hours needed to fulfill Mason Core requirements may vary; see the University Catalog for information. The two courses used to fulfill the college and university requirements for social & behavioral sciences must be from different disciplines.

MAJOR REQUIREMENTS

Students must earn a minimum GPA of 2.0 in the 32 credits of Biology courses and a minimum GPA of 2.0 in supporting course work.

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|---|-------------------|-------------------|
| a. BIOL 213 (4) (grade of C or better required to advance to other core requirements) | a. _____ | _____ |
| b. BIOL 214 (4) (grade of C or better required) | b. _____ | _____ |
| c. BIOL 311 (4) (grade of C or better required) | c. _____ | _____ |
| d. BIOL 308 (writing intensive course) (5) (grade of C or better required) | d. _____ | _____ |
| e. BIOL 310 (3) and BIOL 330 (2) (grade of C or better required) | e. _____ | _____ |
| f. Ten credits of biol. electives (six credits must be upper division; one upper division course must include a lab) (10) | | |
| 1. BIOL _____ 2. BIOL _____ | 1. _____ 2. _____ | 1. _____ 2. _____ |
| 3. BIOL _____ | 3. _____ | _____ |
| g. CHEM 211/213, CHEM 212/214 (3,1/3/1) | g. _____ | _____ |
| h. One of the following (circle choice(s)): MATH 111 or 113 or both 123 and 124 (3-6) | h. _____ | _____ |
| i. CDS 130 (recommended) or any course(s) that fulfill the IT Mason Core requirement (3) | i. _____ | _____ |
| j. Other Science: Six to eight hours from the following: ASTR 103, 111, 113; GEOL 101, 102; PHYS 243, 245; PHYS 160, 260 (list courses) (6-8) | | |
| 1. _____ 2. _____ | 1. _____ 2. _____ | _____ |

NOTES: No more than four credits of BIOL 103 or 106/107 may be applied toward elective credit (or equivalent transfer credit at the 100-200 level) if taken before successful completion of BIOL 213.

Students may not count BIOL 124 and 125 toward any Biology major requirement. Students who take BIOL 310 and BIOL 330 may not count BIOL 303 and/or 304 toward Biology major requirements.

GENERAL ELECTIVES: Maximum 2 credits of PHED, PRLS, and RECR coursework toward a COS degree.

Only MLSC 400 and MLSC 402 may be used for credit towards a COS degree. (List courses)

_____	_____	_____
_____	_____	_____
_____	_____	_____

MINIMUM 120 HOURS (including Minimum 45 UPPER DIVISION HOURS) to GRADUATE

This planning form is intended to be used in consultation with your academic advisor and reflects the requirements for the 2018 - 2019 Catalog; the University Catalog is the official reference for program requirements.

*THIS PLAN BEGINS DEGREE COURSEWORK WITH BIOL 103

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FALL YEAR 1		CREDITS	SPRING YEAR 1		CREDITS	NOTES
BIOL 103	4		BIOL 213	4		
CHEM 211	3		CHEM 212	3		
CHEM 213	1		CHEM 214	1		
Mason Core	3		Mason Core	3		
Mason Core	3		Mason Core	3		
UNIV 100	1					
Total:	15 credits		Total:	14 credits		

FALL YEAR 2		CREDITS	SPRING YEAR 2		CREDITS	NOTES
BIOL 310	3		BIOL 214	4		*Math Req =
BIOL 330	2		Foreign Language	3		MATH 111, 113 or
MATH Req.	3 or 4		College S.B.S.*	3		123/124.
Foreign Language	6		Mason Core	3		*Social and
			General Elective	3		
Total:	14 or 15 credits		Total:	16 credits		Behavioral Science.

FALL YEAR 3		CREDITS	SPRING YEAR 3		CREDITS	NOTES
BIOL 311	4		BIOL Elective	3		*N.S. = Natural
Mason Core	3		Mason Core (IT)	3		Science
College N.W.C.*	3		College N.S.	4		*N.W.C. = Non-Western
College N.S.*	3 or 4		General Elective	3		Culture
General Elective	3		General Elective	3		
Total:	16 or 17 credits		Total:	16 credits		

FALL YEAR 4		CREDITS	SPRING YEAR 4		CREDITS	NOTES
BIOL 308	5		Synthesis	3		
			BIOL Elective with Lab	4		
ENGH 302	3		College PHIL/REL*	3		
Mason Core	3		General Elective	3		
General Elective	3					
Total:	14 credits		Total:	13 credits		

*Students must earn 120 credits for graduation; 45 credits must be upper-level (courses 300+).

*This degree requires 22 credits of Biology core courses and 10 credits of Biology electives.

*This degree requires one course with a lab at the 300-level or higher.

*Students wishing to pursue a professional degree after graduation should consider taking Organic Chemistry I and II (CHEM 313/315 and CHEM 314/318), which are usually required for admission.

*THIS PLAN BEGINS DEGREE COURSEWORK WITH BIOL 213

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FALL YEAR 1	CREDITS	SPRING YEAR 1	CREDITS	NOTES
BIOL 213	4	BIOL 214	4	
CHEM 211	3	CHEM 212	3	
CHEM 213	1	CHEM 214	1	
Mason Core	3	Mason Core	3 or 4	
Mason Core	3	Mason Core	3	
UNIV 100	1			
Total:	15 credits	Total:	14 or 15 credits	

FALL YEAR 2	CREDITS	SPRING YEAR 2	CREDITS	NOTES
BIOL 310	3	BIOL 311	4	*Math Req =
BIOL 330	2	Foreign Language	3	MATH 111, 113 or
MATH Req.	3 or 4	College S.B.S.*	3	123/124 (two
Foreign Language	6	Mason Core	3	semesters).
		General Elective	3	*Social and
Total:	14 or 15 credits	Total:	16 credits	Behavioral Science.

FALL YEAR 3	CREDITS	SPRING YEAR 3	CREDITS	NOTES
BIOL Elective with lab	4	BIOL Elective	3	*N.W.C. = Non-Western Culture
Mason Core	3	BIOL Elective	3	*N.S. = Natural Science
College N.W.C.*	3	Mason Core (IT)	3	
College N.S.*	3 or 4	College N.S.*	3 or 4	
General Elective	3			
Total:	16 or 17 credits	Total:	12 or 13 credits	

FALL YEAR 4	CREDITS	SPRING YEAR 4	CREDITS	NOTES
BIOL 308	5	Synthesis	3	
ENGH 302	3	College PHIL/REL*	3	
Mason Core	3	General Elective	3	
General Elective	3	General Elective	3	
General Elective	2	General Elective	1	
Total:	16 credits	Total:	13 credits	

*Students must earn 120 credits for graduation; 45 credits must be upper-level (courses 300+).

*This plan is suggested for students who have completed AP/IB biology in high school, regardless of their AP/IB score.

*This degree requires 22 credits of Biology core courses and 10 credits of Biology electives.

*This degree requires one course with a lab at the 300-level or higher.

*Students wishing to pursue a professional degree after graduation should consider taking Organic Chemistry I and II (CHEM 313/315 and CHEM 314/318), which are usually required for admission.