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

MASON CORE REQUIREMENTS (27)

	Department(s) & Course #(s)	Completed/ Grade(s)	Needed
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.

MAJOR REQUIREMENTS

Students must earn a minimum GPA of 2.0 in their Biology course work and a minimum GPA of 2.0 in supporting course work.

a. **Twenty-two credits in biology core courses (22)**
   1. BIOL 213 (4) (grade of C or better required to advance to other core requirements) 1.
   2. BIOL 214 (4) (grade of C or better required) 2.
   3. BIOL 311 (4) (grade of C or better required) 3.
   4. BIOL 308 (writing intensive course) (5) (grade of C or better required) 4.
   5. BIOL 310 (3) and BIOL 330 (2) (grade of C or better required) 5.

b. **Twelve credits of biopsychology courses (12)**
   1. PSYC 372 (3) 1.
   2. PSYC 373 (1) 2.
   3. BIOL 430 (4) 3.
   4. BIOL 431 (4) 4.

c. **Three-four credits chosen from**: PSYC 304 (4), PSYC 376 (3), PSYC 406* (3), NEUR 327 (3), NEUR 335 (3) (3-4)
*PSYC 406 fulfills the synthesis requirement c.

d. **Six-seven credits chosen from**: BIOL 305 (3), 306 (1), 314 (4), 322 (3), 323 (1), 472 (3), 473 (1), 483 (4) (6-7)

d. **Twenty-four to twenty-six credits of physical sciences** (24-28)
   1. CHEM 211/213, CHEM 212/214 (3,1/3,1) 1.
   2. CHEM 313, CHEM 315 (3,2) 2.
   3. CHEM 314, CHEM 318 (3,2) **OR** One CHEM course at the 300- or 400-level (not 314)(3) 3.
   4. PHYS 243/244 and PHYS 245/246 or PHYS 160/161 and PHYS 260/261 (3/1, 3/1) 4.

e. **One course from (circle choice)**: MATH 111(3) **or** MATH 113 (4) **or** MATH 123 **&** 124 (3,3) e.

f. **CDS 130** (recommended) or any course(s) that fulfills the IT Mason Core requirement (3) f.

NOTES: No more than eight 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/or 125 toward any Biology major requirement, Students who take BIOL 310 may not count BIOL 303 and/or 304 toward any Biology major requirement.

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.

*CONCENTRATION IN BIOPSYCHOLOGY

B.S. Biology 2018 - 2019

FALL YEAR 1	CREDITS	SPRING YEAR 1	CREDITS	NOTES
BIOL 213	4	BIOL 310	3	*Math Req =
CHEM 211	3	BIOL 330	2	MATH 111, 113 or
CHEM 213	1	MATH Req*	3 or 4	123/124 (two
Mason Core	3	CHEM 212	3	semesters).
Mason Core	3	CHEM 214	1	*BIOL 214 can be
UNIV 100	1	Mason Core	3	taken with 213 in
Total:	15 credits	Total:	15 or 16 credits	first semester.

FALL YEAR 2	CREDITS	SPRING YEAR 2	CREDITS	NOTES
BIOL 214	4	BIOL 311	4	*2nd math is not
Mason Core or MATH*	3 or 4	Mason Core	3	required, but many professional schools
CHEM 313	3	CHEM 314**	3	require 2 semesters of
CHEM 315	2	CHEM 318**	2	calculus.
Mason Core	3	Mason Core	3	**Alternative is GEOL
Total:	15 or 16 credits	Total:	15 credits	or >300 CHEM course.

FALL YEAR 3	CREDITS	SPRING YEAR 3	CREDITS	NOTES
BIOL 305	3	BIOL 483	4	*PHYS requirement
BIOL 306	1	PHYS Lecture*	3	can be fulfilled by the
PHYS Lecture*	3	PHYS Lab	1	following sequences:
PHYS Lab	1	General Elective	3	PHYS 160/161 and 260/
PSYC 372	3	General Elective	3	261 OR PHYS 243/244
PSYC 373	2			and 245/246.
Mason Core	3			
Total:	16 credits	Total:	14 credits	

FALL YEAR 4	CREDITS	SPRING YEAR 4	CREDITS	NOTES
BIOL 308	5	PSYC 406 (Synth.)	3	
BIOL 430	4	BIOL 431	4	
ENGH 302	3	General Elective	3	
General Elective	3	General Elective	3	
Total:	15 credits	Total:	13 credits	

*THIS IS A SAMPLE PLAN. BECAUSE THE SEMESTERS WHEN CONCENTRATION REQUIREMENTS ARE OFFERED CAN VARY, IT IS BEST TO MAKE AN INDIVIDUAL DEGREE PLAN WITH A BIOLOGY ADVISOR.

*Students must earn 120 credits for graduation; 45 credits must be upper-level (courses 300+).
*PSYC 406 is a concentration elective. Students must earn 3 to 4 credits of concentration electives and can choose from: PSYC 304, PSYC 376, PSYC 406, NEUR 327, NEUR 335. PSYC 406 is the only elective that also fulfills the Synthesis requirement.
*BIOL 305/306 and BIOL 483 are biology electives. Students must earn 6 to 7 credits of biology electives and can choose from: BIOL 305, BIOL 306, BIOL 314, BIOL 322, BIOL 323, BIOL 472, BIOL 473, BIOL 483.