

**GEORGE MASON UNIVERSITY  
COLLEGE OF SCIENCE**

**B.S. DEGREE IN BIOLOGY-CONCENTRATION IN MARINE AND FRESHWATER BIOLOGY**

<http://cos.gmu.edu/academics/undergraduate/majors/biology>

**2009-2010 CATALOG**

	<u>Department(s) &amp; Course #(s)</u>	<u>Completed/ Grade(s)</u>	<u>Needed</u>
<b><u>GENERAL EDUCATION REQUIREMENTS (27)</u></b>			
a. Composition: ENGL 101 (100), 302 (C or better) (3,3)		___ ___	___ ___
b. Communication 100 or 101 (please circle choice) (3)		___	___
c. Quantitative Reasoning (satisfied by completion of major requirements)		___	___
d. Literature (3)	_____	_____	_____
e. Fine Arts (3)	_____	_____	_____
f. Social Sciences:			
Western Civilization (3)	_____	_____	_____
Social & Behavioral Science (3)	_____	_____	_____
g. Natural Science (satisfied by completion of major requirements)		_____	_____
h. Global Understanding (3)	_____	_____	_____
i. Information Technology (satisfied by completion of major requirements)		_____	_____
j. Synthesis (3)	_____	_____	_____

Go to: <http://chss.gmu.edu/gened> to link to information on general education requirements.

**MAJOR REQUIREMENTS**

a. Thirty-seven credits in biology core courses (37)			
1. BIOL 213 (4) (Grade of C or better required)		1. _____	_____
2. BIOL 303 (4)		2. _____	_____
3. BIOL 304 (4)		3. _____	_____
4. BIOL 305/306 (3,1)		4. _____	_____
5. BIOL 307 (4)		5. _____	_____
6. BIOL 311 (4)		6. _____	_____
7. BIOL 309 (3)		7. _____	_____
8. BIOL 350 (4)		8. _____	_____
9. BIOL 449 (3)		9. _____	_____
10. BIOL 421 (3)		10. _____	_____
b. Six credits in biology electives chosen from: BIOL 331, 440, 472, 473, 536; EVPP 363, 419; NCLC 318 (list courses) (8)			
a. _____ b. _____ c. _____		_____	_____
c. Twenty-nine credits of physical sciences (29)			
1. CHEM 211, 212 (4,4)		1. _____	_____
2. CHEM 313, 315 (3,2)		2. _____	_____
3. GEOL 101, 101(4, 4)		3. _____	_____
4. PHYS 243/244 and 245/246 (3/1, 3/1)		e. _____	_____
f. At least six credits from the following (6-8) (circle choices): MATH 110, 111, 113, 114, STAT 250		f. _____	_____
g. IT 103 (3)		g. _____	_____

Students must earn a minimum GPA of 2.5 in Biology courses and a minimum GPA of 2.0 in supporting courses. No more than eight hours of 100-level BIOL courses may be applied to toward the required BIOL courses.

**GENERAL ELECTIVES** (List courses)

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**MINIMUM HOURS TO GRADUATE: 120**

<b>UPPER DIVISION HOURS (minimum 45):</b>
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This planning form is intended to be used in consultation with your academic advisor and reflects the requirements for the 2009-2010 Catalog; the University Catalog is the official reference for program requirements.