

**GEORGE MASON UNIVERSITY**  
**COLLEGE OF SCIENCE**  
**B.S. DEGREE IN BIOLOGY-CONCENTRATION IN MOLECULAR 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-six credits in biology core courses(36)			
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 385 (3)		7. _____	_____
8. BIOL 482 (3)		8. _____	_____
9. BIOL 483 (4)		9. _____	_____
10. BIOL 486 (2)		10. _____	_____
b. Eight credits in biology elective courses chosen from: BIOL 322, 402, 403, 452, 453, 563, 568, 575, 580 (list courses) (8)			
a. BIOL _____ b. BIOL _____ c. BIOL _____		_____	_____
c. Eighteen credits of chemistry (18)			
1. CHEM 211, 212 (4,4)		1. _____	_____
2. CHEM 313, 315 (3,2)		2. _____	_____
3. CHEM 315, 318 (3,2)		3. _____	_____
e. 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**

**UPPER DIVISION HOURS (minimum 45):**

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.