

**GEORGE MASON UNIVERSITY
COLLEGE OF SCIENCE**

B.S. DEGREE IN BIOLOGY-CONCENTRATION IN BIOTECHNOLOGY (3003 D. King Hall, 993-1050)

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

2009-2019 CATALOG

	<u>Department(s) & Course #(s)</u>	<u>Completed/ Grade(s)</u>	<u>Needed</u>
<u>GENERAL EDUCATION REQUIREMENTS (27)</u>			
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-one credits in Biology core courses (31)			
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 483 (4)		8. ___	___
b. Thirteen credits of Biology electives (13)			
Courses chosen from: BIOL 312, 322, 402, 403*, 405, 406, 417**, 418**, 420, 421, 422, 425, 452, 453*, 465, 482, 484, 486, 497**, 506**, 553, 556, 563, 566 568, 572, 575**, 580 (list courses)			
a. BIOL _____		___	___
b. BIOL _____		___	___
c. BIOL _____		___	___
d. BIOL _____		___	___
*Laboratories associated with course are required **Subject to approval by program coordinator			
c. Eighteen credits of chemistry (18)			
1. CHEM 211, 212 (4,4)		1. ___	___
2. CHEM 313, 315 (3,2)		2. ___	___
3. CHEM 314, 318 (3,2)		3. ___	___
d. PHYS 243/244 and 245/246 (3/1, 3/1)		d. ___	___
e. At least six credits from the following (6-8) (circle choices):			
MATH 110, 111, 113, 114, STAT 250		e. ___	___
f. IT 103 (3)		f. ___	___

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.