

**GEORGE MASON UNIVERSITY  
COLLEGE OF SCIENCE**

**B.S. DEGREE IN GLOBAL AND ENVIRONMENTAL CHANGE (Research I, 230, 703-993-1210)**

<http://esqs.gmu.edu>

**2009-2010 CATALOG**

	<u>Department(s) &amp; Course #(s)</u>	<u>Completed/ Grade(s)</u>	<u>Needed</u>
<b>GENERAL EDUCATION REQUIREMENTS (*18)</b>			
a. Composition: ENGL 101 (100), 302 (C or better) (3,3)		___ ___	___ ___
b. Communications 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 (satisfied by completion of major requirements)			
g. Natural Science (satisfied by completion of major requirements)			
h. Global Understanding (satisfied by completion of major requirements)			
i. Information Technology (satisfied by completion of major requirements)			
j. Synthesis (satisfied by completion of major requirements)			

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

**MAJOR REQUIREMENTS (69-72 hours required)**

**Global Change Core (20-21)**

a. EOS 121, 122 (4,4) or EVPP 110, 111 (4,4) (circle choice)	a. ___ ___	___ ___
b. EOS 304 (3)	b. ___ ___	___ ___
c. EOS 305 (3) or GEOL 305 (3) (circle choice)	c. ___ ___	___ ___
d. GEOG 300 (3) or BIOL 312 (4) (circle choice)	d. ___ ___	___ ___
e. EOS 353 (3)	e. ___ ___	___ ___

**Geosphere and Atmosphere (13-14)**

a. GEOL 101 (4) or PHYS 243/244 (3/1) (circle choice)	a. ___ ___	___ ___
b. Three courses chosen from: EOS 310 (3), 312 (3), 320 (3); GEOG 309 (3), 399 (3); GEOL 317 (4), 306 (3), 309 (3); EVPP 490 (1-4) (circle choices)	b. ___ ___	___ ___

**Ecosphere and Sociosphere (12-13)**

a. GLOA 101 (3), GEOG 101 (3), or CEIE 100 (3) (circle choice)	a. ___ ___	___ ___
b. GEOG 103 (3) or ANTH 135 (3) (circle choice)	b. ___ ___	___ ___
c. EOS 321 (3) or EVPP 377 (3) (circle choice)	c. ___ ___	___ ___
d. One course from the following: BIOL 318 (3), 345 (4), 499 (3); EOS 322 (3), 306 (3); EVPP 336 (3), 337(3), 350 (3); GEOG 303 (3) (circle choice)	d. ___ ___	___ ___

**Applications and Techniques of Detecting Global Change (6)**

a. Choose two courses from: EOS 303, 354, 410, 455, 495; GEOG 412, 416, 463; GEOL 303 (3,3) (circle choices)	a. ___ ___	___ ___
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**Supporting Sciences and Mathematics (18-22)**

a. Additional Natural Lab Sciences (4-8)		
1. CHEM 211, 212 (4,4); or PHYS 243/244 (3/1), PHYS 254/246 (3/1); or ASTR 111/112 (3/1), ASTR 113/114 (3/1) or GEOL 101, 102 (4,4); or BIOL 103,104 (4,4) (circle choices)	1. ___ ___	___ ___
b. Quantitative Sequence (11)		
1. Math 113, 114 (4,4)	1. ___ ___	___ ___
2. STAT 250 (3) (circle choice)	2. ___ ___	___ ___
c. Information Technology (3)		
1. IT 103 (3)	1. ___ ___	___ ___

**GENERAL ELECTIVES** (List courses chosen in consultation with your advisor)

_____	___ ___	___ ___
_____	___ ___	___ ___
_____	___ ___	___ ___
_____	___ ___	___ ___

**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.