

GEORGE MASON UNIVERSITY
COLLEGE OF SCIENCE
B.S. DEGREE IN EARTH SCIENCE (3055 David King Hall, 703-993-1642)
http://cos.gmu.edu/academics/undergraduate/majors/earth_science
2009-2010 CATALOG

	<u>Department(s) & Course #(s)</u>	<u>Completed/ Grade(s)</u>	<u>Needed</u>
<u>GENERAL EDUCATION REQUIREMENTS (*30)</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 (3)		___ ___	___ ___
j. Synthesis (3)		___ ___	___ ___

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

CORE SCIENCE and MATHEMATICS (40 hours required)

a. CHEM 211, 212 (4,4)		a. ___ ___	___ ___
b. GEOG 309, GEOL 101 (3, 4)		b. ___ ___	___ ___
c. BIOL 309 or GEOL 309 (3)		c. ___ ___	___ ___
d. GEOL 406 or 420 (3)		d. ___ ___	___ ___
e. MATH 113, 114; STAT 250 (4,4, 3)		e. ___ ___	___ ___
f. PHYS 243/ 244, 245/ 246 (3/1, 3/1) or PHYS 160, 161, 260, 261 (3/1, 3/1)		f. ___ ___	___ ___

CONCENTRATION Select one of the following: (27-35)

a. Earth Surface Processes			
1. GEOL 102 or EVPP 110 (4)		a. ___ ___	___ ___
2. GEOL 302 (4), 3. GEOL 303 (3),		___ ___	___ ___
4. GEOL 306 (3), 5. GEOL 316 or CS 112 (3-4),		___ ___	___ ___
6. GEOL 317 (4),		___ ___	___ ___
7. Four of the following (circle choices): GEOL 304, GEOL 305, GEOL 313, GEOL 315, GEOL 363, GEOL 401, GEOL 403, GEOL 417, GEOG 311, GEOG 412, GEOG 416		___ ___	___ ___
b. Environmental Science		b. ___ ___	___ ___
1. EVPP 110 (4), 2. EVPP 111 (4),		___ ___	___ ___
3. BIOL 307 (4), 4. EVPP 377 (3),		___ ___	___ ___
5. EVPP 336 (3), 6. GEOL 303 (3),		___ ___	___ ___
7. GEOL 305 (3), 8. GEOL 306 (3),		___ ___	___ ___
9. Two of the following (circle choices): BIOL 345 (4), 449 (3), EVPP 350 (4), 363 (4)		___ ___	___ ___
c. Geology		c. ___ ___	___ ___
1. GEOL 102 (4), 2. GEOL 302 (4)		___ ___	___ ___
3. GEOL 304 (4), 4. GEOL 308 (4)		___ ___	___ ___
5. GEOL 312 (4), 6. GEOL 317 (4)		___ ___	___ ___
7. GEOL 401 (4), 8. GEOL 404 (3-8)		___ ___	___ ___
(A six-credit field camp may be substituted for GEOL 404)			
d. Earth Science Education		___ ___	___ ___
1. ASTR 111/112 (3/1), 2. GEOL 102 (4), 3. GEOL 302 (4),		___ ___	___ ___
4. GEOL 303(3), 5. GEOL 408 (1), 6. GEOL 409 (1),		___ ___	___ ___
7. Three of the following: EVPP 110, GEOL 304, 308, 312, 317, 363, 401		___ ___	___ ___
Optional teacher licensure component: EDUC 372, 422; EDCI 473, 483, 490; EDRD 419 (21)			
e. Coastal Oceanography and Estuarine Studies		___ ___	___ ___
1. GEOL 102 (4) 2. EVPP 421(3), 3. BIOL 449 (3),		___ ___	___ ___
4. GEOL 363 (4), 5. EVPP 350 (4)		___ ___	___ ___
5. One of following sequences (circle choice): EVPP 110, 111; BIOL 103, 104; BIOL 213, 303		___ ___	___ ___
6. Four of the following (circle choices): BIOL 440, 507, 536; EVPP 377, 419; GEOL 302, 304, 308, 313, 401; NCLC 395 (ocean & estuarine topics only)		___ ___	___ ___

A GPA of 2.0 or better required for major course work.

GENERAL ELECTIVES (12-13)

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.