

GEORGE MASON UNIVERSITY
COLLEGE OF SCIENCE
B.S. DEGREE IN ENVIRONMENTAL SCIENCE (3033 David King Hall, 703-993-1211)
esp.gmu.edu
2013-2014 CATALOG

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

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

CORE SCIENCE and MATHEMATICS (56 hours required)

a. EVPP 110, EVPP111 (4,4)	a. _____	_____
b. EVPP 305, EVPP306 (3,1)	b. _____	_____
c. BIOL 308 (writing intensive course), BIOL 214 (5,4)	c. _____	_____
d. EVPP 361, EVPP 377 (4,4)	d. _____	_____
e. EVPP 430 (3)	e. _____	_____
f. EVPP 336 or EVPP 337* (circle choice) (3)	f. _____	_____
g. One of the following: EVPP 335, PHIL 343, GEOL 420, GGS 303 (circle choice) (3)	g. _____	_____
g. CHEM 211, CHEM 212 (4, 4)	g. _____	_____
h. MATH 113, MATH 114 (4, 4)	h. _____	_____
i. GEOL 101 (4)	i. _____	_____

*Students in the Human and Ecosystem Response to Climate Change concentration must take EVPP 337.

CONCENTRATION Select one of the following: (24)

- a. Aquatic Ecology (AQEC)
 Required: EVPP 350 (4), EVPP 421 (3), BIOL 309 (3), BIOL 449 (3), and at least eleven credits from the following (circle choices): EVPP 363 (4), EVPP 380 (4), EVPP 419 (3), EVPP 420 (1), EVPP 536 (4), BIOL 440 (1-4), GEOL 364 (3), GEOL 458 (3), CLIM 412 (3), NCLC 318 (4), additional courses approved by the program coordinator.
- b. Conservation (CNSV) 24 credits from the following: (circle choices)
 BIOL 310 (5), EVPP 318 (3), EVPP 378 (4), EVPP 419 (3), EVPP 420 (1), EVPP 421 (3), CONS 320 (3), CONS 401 (3), CONS 402 (4), CONS 403 (3), CONS 404 (4), CONS 410 (3), CONS 411 (3), CONS 420 (3), CONS 490 (3), CONS 491 (3), CONS 497 (1-3), CONS 498 (1-3), CONS 499 (1-3), GGS 303 (3), NCLC 311 (6), PRLS 300 (3), PRLS 402 (3), BIOL 440 (1-4), additional courses approved by the program coordinator.
- c. Ecological Science (ESCI) 24 credits from the following: (circle choices)
 EVPP 350 (4), EVPP 355 (4), EVPP 378 (4), BIOL 309 (3), BIOL 310 (5), BIOL 345 (4), BIOL 440 (1-4), BIOL 449 (3), BIOL 459 (3), GEOL 305 (3), GEOL 306 (3), additional courses approved by the program coordinator.
- d. Environmental Health (EVHL)
 Required: EVPP 445 (3), GCH 205 (3), GCH 360 (3), GGS 302 (3), GGS 319 (3), and nine credits from the following (circle Choices): EVPP 451 (3), EVPP 515 (3), BIOL 402 (3), BIOL 404 (3), BIOL 465 (4), GCH 460 (3), GCH 560 (3), GGS 304 (3), GGS 455 (3), GGS 540 (3), CEIE 555 (3), CHEM 505 (1-3), additional courses approved by the program coordinator.
- e. Human and Ecosystems Response to Climate Change (HERC)
 Required: CLIM 101 (3), GGS 121 (4), GGS 302 (3), EVPP 336 (3), and GGS 309 or GGS 314 (3), and eight credits from chosen from the following (circle choices): BIOL 309 (3), CLIM 111 (3), CLIM 112 (1), EVPP 355 (4), EVPP 378 (4), EVPP 436 (3), GGS 304 (3), GGS 312 (3), GGS 321 (3), GGS 322 (3), GGS 353 (3), GGS 354 (3), additional courses approved by the program coordinator.

GENERAL ELECTIVES (15)

	_____	_____	_____
	_____	_____	_____
	_____	_____	_____

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 2013-2014 Catalog; the University Catalog is the official reference for program requirements.

COURSE LISTS (ENVIRONMENTAL SCIENCE)

University General Education Requirements

Written Communication: ENGH 101 (or 100) and ENGH 302

Oral Communication: COMM 100 or COMM 101

Quantitative Reasoning: MATH 113 (The Math Placement Test is required to take a MATH course. See this web site for more information: http://cos.gmu.edu/academics/undergraduate/math_placement_testing)

Literature: ARAB 325; CHIN 310, 311, 325, 328; CLAS 250, 260, 340, 350, 360, 380; ENGH 201, 202, 203, 204; FREN 325, 329; FRLN 330; GERM 325; ITAL 320, 325; JAPA 340; PHIL 253; RELI 235; RUSS 325, 326, 327; SPAN 325

Arts: ARTH 101, 102, 103, 200, 201, 203, 204, 321, 322, 324, 333, 334, 335, 340, 341, 342, 344, 345, 360, 362, 372, 373, 376; AVT 103, 104, 215, 222, 232, 243, 252, 253, 262, 272; DANC 101, 119, 125, 131, 145, 161, 225, 231, 245, 301, 390, 391; ENGH 370, 372, 396; FAVS 225; GAME 101; MUSI 100, 101, 102, 107, 301, 302, 380, 381, 382, 383, 384, 385, 387, 389, 485; PHIL 156; THR 101, 150, 151, 210, 230, 395, 411, 412.

Western Civilization: HIST 100 or 125; transfer students may substitute the following courses for HIST 100: HIST 101, 102, 301, 302, 304, 305, 306, 308, 309, 312, 314, 322, 388, 435, 436, 480; transfer students may substitute the following courses for HIST 125: HIST 202 & 387.

Social and Behavioral Sciences: AFAM 200; ANTH 114, 120, 135, 396; CONF 101; CONS 410; CRIM 100; ECON 100, 103, 104, 105, 110, 111 (110 and 111 must be taken together); EDUC 372; GGS 103; GOVT 101, 103, 367; HEAL 230; HIST 121, 122; LING 306; PSYC 100, 211, 231; SOCI 101, 355; SOM 100; TOUR 311; WMST 200

Natural Sciences: CHEM 211 & 212; EVPP 110 & 111

Global Understanding: ANTH 302, 304, 306, 307, 308, 309, 311, 312, 313, 316, 331, 332, 385; ARTH 319, 320, 380, 382, 383, 384, 385, 386; CEIE 100; COMM 305, 456; CRIM 405; DANC 118, 318, 418; ECON 360, 361, 362, 380, 390; ENGH 362, 366; GCH 205; GGS 101; GLOA 101; GOVT 132, 133; HIST 130, 251, 252, 261, 262, 271, 272, 281, 282, 328, 329, 356, 358, 360, 364, 365, 387, 460, 462; JAPA 310; MSOM 305; MUSI 103, 431; PHIL 243; PSYC 379; RELI 100, 211, 212, 313, 315, 341, 374; RUSS 354; SOCI 120, 320, 332; SPAN 322; SYST 100; THR 359, TOUR 210; WMST 100

Information Technology: **One of these courses**: ANTH 395, CDS 130, CEIE 117, CHEM 350, GOVT 300, HIST 390, IT 103, MUSI 415 **or Course(s) from a) and one course from b): a)** AVT 180; CS 112; PHYS 251; PSYC 300, 301, & 372 (all three must be taken and in sequence); SOCI 410 **b)** CDS 151, CEIE 409, CS 105, ENGR 107, IT 304, PHIL 112

Synthesis: EVPP 335, PHIL 343, GEOL 420, or GGS 303