

GEORGE MASON UNIVERSITY
COLLEGE OF SCIENCE
B.S. DEGREE IN ENVIRONMENTAL SCIENCE (3033 David King Hall, 703-993-1211)
esp.gmu.edu
2017-2018 CATALOG

	<u>Department(s) & Course #(s)</u>	<u>Completed/ Grade(s)</u>	<u>Needed</u>
<u>MASON CORE 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 (satisfied by completion of major requirements)		_____	_____
k. Synthesis (satisfied by completion of major requirements)		_____	_____

Go to: <http://catalog.gmu.edu/mason-core/> to link to information on Mason Core requirements.

CORE SCIENCE and MATHEMATICS (60-62 total credit hours required)

Environmental Science Course (38-39 credit hours required)

a. EVPP 210, EVPP 301 (4,4)	a. _____	_____
b. EVPP 302, EVPP 337 (4,3)	b. _____	_____
c. EVPP 305, EVPP 306 (3,1)	c. _____	_____
d. EVPP 361, EVPP 377 (3,3)	d. _____	_____
e. EVPP 430, BIOL 214 (3,4)	e. _____	_____
f. One of the following: EVPP 336, EVPP 338, EVPP 362, EVPP 475 (circle choice) (3)	f. _____	_____
g. One of the following: EVPP 378, EVPP 401, EVPP 480, *CONS 490 (circle choice) (3-4)	g. _____	_____

Additional Science and Math Courses (22-23)

h. CHEM 211/213, CHEM 212/214 (3/1,3/1)	h. _____	_____
i. Two of the following (circle choices): MATH 111 (3), MATH 113 (4), MATH 114 (4)	i. _____	_____
j. GEOL 102, CDS 130 (4,3)	j. _____	_____

** CONS 490 is only for students attending the Mason-Smithsonian semester

CONCENTRATION Select one of the following: (21 hours required)

- a. **Conservation (CNSV)** At least 21 credits from the following: (circle choices) EVPP 318 (3), 378 (4), 395 (1-3), 396 (1-4), 419 (3), 420 (1), 421 (3), 427 (3), 440 (0-4), 475 (3), 490 (0-4), 494 (1-3); BIOL 310 (3) and 330 (2), 435 (0-4); CONS 320 (3), 401 (3), 402 (4), 403 (3), 404 (4), 410 (3), 411 (3), 420 (3), 490 (3), 491 (3), 497 (1-3), 498 (1-3), 499 (1-3); GGS 303 (3), 307 (3), INTS 311 (6), PRLS 300 (3), 402 (3), additional courses approved by the program coordinator.
- b. **Ecological Science (ESCI)** 21 credits from the following: (circle choices) EVPP 309 (3), 350 (4), 355 (4), 378 (4), 395 (1-3), 396 (1-4), 408 (3), 427 (3), 440 (0-4), 449 (3), 490 (0-4), 494 (1-3); BIOL 310 (3) and 330 (2), 345 (4), 459 (3); GEOL 305 (3), 306 (3), 307 (3); additional courses approved by the program Coordinator.
- c. **Environmental Health (EVHL)** Required: EVPP 427 (3), 445 (3) and fifteen credits from the following (circle choices): EVPP 395 (1-3), 396 (1-4), 409 (3), 440 (0-4), 490 (0-4), 494 (1-3), 515 (3); BIOL 305 and 306 (3,1), 402 (3), 404 (3), 465 (4); GCH 205 (3), 360 (3), 560 (3); GGS 302 (3), 304 (3), 307 (3), 319 (3), 322 (3); additional courses approved by the program coordinator.
- d. **Human and Ecosystems Response to Climate Change (HERC)** Required: EVPP 336 (3) and eighteen credits chosen from the following (circle choices): CLIM 101 (3), 111 (3), 112 (1), 312 (3), 314 (3), 319 (3), 412 (3), 438 (3); EVPP 309 (3), 355 (4), 378 (4), 395 (1-3), 396 (1-4), 427 (3), 432 (3), 436 (3), 440 (0-4), 475 (3), 490 (0-4), 494 (1-3); GEOL 309 (3); GGS 121 (4), 302 (3), 304 (3), 307 (3), 309 (3), 312 (3), 314 (3), 319 (3), 321 (3), 322 (3), 354 (3), 456 (3); additional courses approved by the program coordinator.
- e. **Marine, Estuarine, and Freshwater Ecology (MEFC)** Required: EVPP 309 (3), 350 (4), 421 (3), 449 (3), and at least eight credits from the following (circle choices): EVPP 318 (3), 363 (4), 380 (4), 395 (1-3), 396 (1-4), 419 (3), 420 (1), 427 (3), 440 (0-4), 490 (0-4), 494 (1-3); BIOL 331(4), 480 (3); GEOL 364 (3), 458 (3); GGS 307 (3); CLIM 412 (3), INTS 318 (4), additional courses approved by the program coordinator.

GENERAL ELECTIVES: Maximum 2 credits of PHED, PRLS, and RECR coursework toward a COS degree. Only MLSC 400 and MLSC 402 may be used for credit towards a COS degree. (List courses) **(10-12)**

MINIMUM 120 HOURS (including Minimum 45 UPPER DIVISION HOURS) to GRADUATE

This planning form is intended to be used in consultation with your academic advisor and reflects the requirements for the 2017-2018 Catalog; the University Catalog is the official reference for program requirements.

COURSE LISTS (ENVIRONMENTAL SCIENCE)

Mason Core Requirements

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

Oral Communication: COMM 100 or COMM 101

Quantitative Reasoning: **MATH 111, 113.** The Math Placement Test is required to take MATH 113. See this web site for more information: http://math.gmu.edu/placement_test.php

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; KORE 311; PHIL 253; RELI 235, 333; RUSS 325, 326, 327; SPAN 325

Arts: ARTH 101, 102, 103, 200, 201, 203, 204, 206, 321, 322, 324, 333, 334, 335, 340, 341, 342, 344, 345, 360, 362, 370, 372, 373, 376; AVT 103, 104, 215, 222, 232, 243, 252, 253, 262, 272, 385; DANC 101, 119, 125, 131, 145, 161, 225, 231, 245, 301, 325, 331, 345, 425, 445, 390, 391; ENGH 370, 371, 372, 396; FAVS 225; GAME 101; MUSI 100, 101, 102, 107, 280, 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, 436, 480; and the following courses for HIST 125: HIST 202, 387.

Social and Behavioral Sciences: AFAM 200; ANTH 114, 120, 135, 363, 372, 396; BUS 100; CONF 101; CONS 410; CRIM 100; ECON 100, 103, 104, 105, 367; EDUC 203, 372; GCH 325; GGS 103; GOVT 101, 103, 367; HEAL 230; HIST 121, 122; LING 306; PSYC 100, 211, 231; SOCI 101, 352, 355; TOUR 311; WMST 200

Natural Sciences: CHEM 211/213 & 212/214

Global Understanding: ANTH 302, 306, 307, 308, 309, 312, 313, 316, 331, 332, 382; ARTH 319, 320, 382, 383, 384, 385, 386; BUS 200; CEIE 100; COMM 305, 456; CRIM 405; DANC 118, 318, 418; ECON 360, 361, 362, 380, 390; ENGH 362, 366; FAVS 300; FRLN 331; GCH 205; GGS 101; GLOA 101; GOVT 132, 133; HIST 251, 252, 261, 262, 271, 272, 281, 282, 328, 329, 356, 357, 358, 360, 364, 365, 387, 460, 462; JAPA 310; MBUS 305; MUSI 103, 431; PHIL 243; PROV 105; PSYC 379; RELI 100, 211, 212, 313, 315, 320, 322, 341, 374; RUSS 354; SOCI 120, 320, 332; SPAN 322, 466; SYST 202; THR 359, TOUR 210; WMST 100

Information Technology: CDS 130

Synthesis/Capstone: ANTH 400; ARAB 351, 440; ARTH 394; ASTR 402; ATEP 441; AVT 385, 497, 498; BAS 491; BENG 492, 493; BINF 354; BIOL 301, 379; BIS 490; BUS 498; CEIE 490; CHIN 318, 355, 475; COMM 326, 362, 454; CONF 490; **CONS 490**, 491; CRIM 495; CS 306; CYSE 493; DANC 490; ECE 492, 493; ECON 309; EDCI 490; ENGH 401, 417, 458, 470, 484, 486, 495; **EVPP 378, 480**; FAVS 352, 496, 497, 499; FRLN 385; GAME 490; GCH 465; **GEOL 420**; GLOA 400; GGS 303, 304; GOVT 490, 491; HAP 465, 489, 498; HDFS 400; HIST 300, 499; INTS 308; IT 492, 493; KINE 490; LAS 499; MATH 400; ME 444; MUSI 324, 424, 490, 491, 495; NURS 465; PHED 415; PHIL 309, 343, 377, 378, 379, 421, 422; PHYS 346, 407; PRLS 490; PROV 342; PSYC 405, 406, 427; RELI 490; RHBS 499; RUSS 353; SOCI 377, 483, 485; SOCW 375, 472; SPAN 388; SPMT 490; STAT 490; SYST 495; THR 440, 496; TOUR 490

