

B. S. Environmental Sciences (EVS)

Physical Science Option

*College: Arts & Sciences***DEGREE REQUIREMENTS**

Course requirements for all UNCW degrees include: (1) Basic Studies, (2) specific major requirements, and (3) sufficient elective hours for a combined total of a minimum of 124 hours.

(1) BASIC STUDIES (45 semester hours)

See Basic Studies sheet and/or information on the WEB at <http://www.uncw.edu/uc/basic/basic.html>

(2) MAJOR REQUIREMENTS – Physical Science Option (Minimum 63-69 hours)

Check when complete:

CORE: 25 hours

- _____ +CSC 105 Introduction to Computers and Computer Applications (3) (Meets **Computer Competency Requirement**)
- _____ *+BIO 201 Principles of Biology: Cells (4)
- _____ *+CHM 101 General Chemistry (4)
- _____ +EVS 195 Introduction to Environmental Studies (3)
- _____ +EVSL 195 Environmental Studies Laboratory (1) Prerequisite or corequisite
- _____ +MAT 111 (or higher) College Algebra (3) Prerequisite: Satisfactory performance on the UNCW Placement Test
- _____ +STT 215 or Introduction to Statistics (3) Prerequisite: MAT 111 or 115 or Quantitative Methods in
GGY 222 Earth Sciences (3)
- _____ *+GGY 130 or *+EVS 120 (*GLY 120) w/ lab Intro. to Physical Geography (4) or Environmental Geology (4)

Physical Science Option 44 hours in addition to the General Core:

- _____ *+CHM 102 General Chemistry (4) Prerequisite: CHM 101
- _____ EVS 495 (EVS 501) Seminar in Environmental Studies (3) Prerequisite: Junior or senior standing and consent of instructor
(Meets **Oral Communication Competency Requirement**)
- _____ GLY 220 Field Methods in Environmental Sciences (3) Prerequisite: GLY 101 or GLY 120 w/ lab (EVS 120) or GGY 130; and MAT 111
- _____ +MAT 161 Calculus with Analytical Geometry (4) Prerequisite: MAT 112 or 115 or placement
- _____ +MAT 162 Calculus with Analytical Geometry (4) Prerequisite: MAT 162
- _____ *+PHY 101-102 or *+PHY 201-202 Elementary College Physics (4-4) Prerequisite: MAT 111 or General Physics (4-4) Corequisite: MAT 161-162

B. S. Physical Science Option Electives: Choose 18 hrs of the following from at least two different areas; 15 hrs must be at the 300 level or higher

- _____ Choose from BIO *487, 488; CHM *211, *212, *235, 250, *312, *321, 365, *377, *380, 415, 466, 467, 475, *478, 485; ENG 204, 313, 314; EVS 205, 281, 325 (ECN 325), 330 (ECN 330), 362 (BLA 362), 364, 420, 431, 460, 462, 472, 477, 478, 479, 480, 485, 490, 491, and/or 497, and/or 498 (up to 6 hrs total for any combination of 491, 497 and 498), 499; GGY 235, 270, 320, *328, *333, *335, 336, 383, 384, *422, *424, *426, 433, 435, 437, 473; GLY 226, 250, *335, 350, 391, 392, 393, 394, 420, *426, *431, *441, *450, *458, 465, 472; PHY 311-312, 475; SHS 210; STT 305, 350
(EVS 281 will substitute for any EVS 300+ level elective)

A student must complete all requirements for the major with an overall 2.00 GPA to graduate

**These courses either include a lab or require a co-requisite lab.*

+May also be used to satisfy Basic Studies requirements

(3) ELECTIVES

_____ Elective hours to equal a minimum of 124 hours

Requirements to declare PRE-EVS: Completion of 24 hours; General core requirements must be successfully completed before admittance to the major.

For further information see the EVS WEB site: <http://www.uncw.edu/evs/> and <http://www.uncw.edu/catalogue/undergraduate/catalogue/90630CAS.pdf#page=14>

ENVIRONMENTAL STUDIES and ENVIRONMENTAL SCIENCES COURSES

- EVS 120. (GLY 120) Environmental Geology (3)**
EVSL 120 (GLYL 120) Environmental Geology Laboratory (1)
EVS 195. Introduction to Environmental Studies (3)
EVS 195L. Environmental Studies Laboratory (1) Prerequisite or corequisite: EVS 195
EVS 205. Global Environmental Issues (3)
EVS 281. Introduction to Geographic Information Systems in Environmental Sciences (4) Prerequisite: EVS 195 or consent of instructor
EVS 325. (ECN 325) Environmental Economics (3) Prerequisite: ECN 125 or 221 and junior standing
EVS 330. (ECN 330) Natural Resource Economics (3) Prerequisite: ECN 125 or ECN 221 and junior standing
EVS 360. Human Dimensions of Natural Resource Management (3) Prerequisite: EVS 195
EVS 361. History and Philosophy of Natural Resources Management (3) Prerequisite: EVS 195
EVS 362. (BLA 362) Environmental Law (3) Prerequisite: Junior or senior standing or consent of instructor
EVS 364. Natural Resource Policy (3)
EVS 370. (PSY 370) Environmental Psychology (3) Prerequisite: PSY 105
EVS 420. (GLY 420) (PHY 420) Global Climate Change (3) Prerequisites: PHY 102, CHM 102, MAT 162
EVS 430. (530) Tropical Environmental Ecology (3) Prerequisite: EVS 195 or consent of the instructor
EVS 431. International Field Experience (3) Prerequisite: EVS 195 or consent of instructor
EVS 460. (560) Environmental Education Technologies (3)
EVS 462. Seminar in Environmental Law & Policy (3) Prerequisite: Junior or Senior standing and EVA 362 or consent of instructor
EVS 463. Environmental Education and Interpretation (3) Prerequisite: EVS 195
EVS 470. Advanced Natural Resource and Wildland Management (3) Prerequisites: EVS 195 and EVS 360
EVS 471. Management of User-Oriented Natural Resource Areas (3) Prerequisites: EVS 195 and EVS 360
EVS 472. (572) Coastal Protected Areas Management (3) Prerequisites: EVS 195 and 360 or consent of the instructor
EVS 477. Environmental Site Assessment (3) Prerequisite: Junior or senior standing or consent of instructor
EVS 478. (578) Hazardous Waste Operations and Emergency Response (HazWOpER) (3) Prerequisite: Junior or senior standing, or consent of instructor
EVS 479. Introduction to Research Diving (2) Prerequisite: SCUBA certification, medical exam, and permission of instructor
EVS 480. Undersea Science and Technology (3) Prerequisites: CSC 105, EVS 195
EVS 485. Special Topics in Advanced Environmental Science (1-6) Prerequisite: Junior or senior standing, EVS 195, or consent of instructor
EVS 488. (BIO 488) Forensic Environmental Science (3) Prerequisite: CHM 102 or equivalent and junior status
EVS 490. Senior Project (1-6) Prerequisite: Senior standing and permission of instructor
EVS 491. Directed Individual Study (1-3) Prerequisite: Overall GPA or at least 2.00, junior or senior standing, and consent of instructor, department chair and dean
EVS 495. (EVS 501) Seminar in Environmental Studies (3) Prerequisite: Junior or senior standing in EVS, and consent of instructor
EVS 497. Practicum in Environmental Studies (1-12) Prerequisite: Junior or senior standing in environmental studies, 2.00 GPA overall, consent of instructor.
EVS 498. Internship in Environmental Studies (1-12) Prerequisite: Junior or senior standing in environmental studies, 2.00 GPA overall, consent of instructor, director of Environmental Studies and dean of College of Arts & Sciences
EVS 499. Honors Work in Environmental Studies (2-3) Prerequisite: Senior standing

OTHER ENVIRONMENTAL STUDIES GENERAL CORE COURSES

- CSC 105. Introduction to Computers and Computer Applications (3)**
BIO 201. Principles of Biology: Cells (4)
CHM 101. General Chemistry (4)
MAT 111. College Algebra (3) Prerequisite: Satisfactory performance on the UNCW Math Placement Test
STT 215. Introduction to Statistics (3) Prerequisite: MAT 111 or 115
GGY 222. Quantitative Methods in Earth Sciences (3)
GGY 130. Introduction to Physical Geography (4)
GLY 120. (EVS 120) Environmental Geology (3) GLYL 120. (EVSL 120) Environmental Geology Lab (1)