

B. S. Environmental Sciences (EVS)

Biological 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/basicstudies.htm>

(2) MAJOR REQUIREMENTS – Biological Science Option (Minimum 66 hours)

Check when complete:

CORE: 24 hours

- +CSC 105 Introduction to Computers and Computer Applications (3) (Meets **Computer Competency Requirement**)
 *+BIO 204 Principles of Biology: Cells (4)
 *+CHM 101 General Chemistry (4)
 +EVS 195 Introduction to Environmental Studies (3)
 +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)

Biological Science Option: 42-46 hours in addition to the General Core

- *+BIO 205 Principles of Biology: Plant (4)
 *+BIO 206 Principles of Biology: Animals (4)
 *BIO 366 Ecology (3) BIOL 366 (1) Prerequisite: BIO 205 and 206
 *+CHM 102 General Chemistry (4) Prerequisite: CHM 101
 *CHM 377 Environmental Chemistry (3) CHML 377 Lab (1) Prerequisite: CHM 102
 *PHY 105 or 101-102 Introductory Physics (4) or Elementary College Physics (4-4) Corequisite: MAT 111
 EVS 495 Seminar in Environmental Studies (3) Prerequisite: Senior Standing
 (Meets **Oral Communication Competency Requirement**)

B. S. Biological Science Option Electives: Choose 15 hours of the following from at least two different areas;

11 hours must be at the 300 level or higher

- Choose from BIO *311, *312, *313, *318, 340, *345, *356, *357, 358, *362, 364, 368, 380, *425, 430, 434, *452, 455, *456, *458, *460, 462, *465, 466, *471, *474, *475, 478, 480, 482, 484, 485, 486, *487, 488; CHM *211, *212, *235, 250, *312, *321, 365, *380, 415, 466, 467, 475, *478, 485; ENG 204, 313; EVS 205, 325 (ECN 325), 330 (ECN 330), 362 (BLA 362), 380, 420, 462, 478, 479, 485, 490, 491 and/or 497 and/or 498 (up to 6 hours total for any combination of 491, 497 and 498), 499; GGY 220, 235, *328, *333, 336, *422, *424, *426; GLY *220, 226, 250, 350, 393; PHY 475; SHS 210; STT 305, 350.

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
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For further information see the EVS WEB site: http://www.uncw.edu/evs/ and http://www.uncw.edu/catalogue/courses/evs.htm

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 205. **Global Environmental Issues** (3)
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 363. **Environmental Education Interpretation** (3) Prerequisite: EVS 195
EVS 370. (PSY 370) **Environmental Psychology** (3) Prerequisite: PSY 105
EVS 380. **Undersea Science and Technology** (3) Prerequisite: BIO 204, EVS 195, TEC 101
EVS 420. (GLY 420) (PHY 420) **Global Climate Change** (3) Prerequisites: PHY 102, CHM 102, MAT 162
EVS 462 **Seminar in Environmental Law & Policy** (3) Prerequisite: Junior or Senior standing and EVA 362 or consent of instructor
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 478. **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 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** (3-12) 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 204. **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)