

**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/basicstudies.htm>

**(2) MAJOR REQUIREMENTS – Physical Science Option** (Minimum 68 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)

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

- \_\_\_\_ \*+CHM 102 General Chemistry (4) Prerequisite: CHM 101
- \_\_\_\_ EVS 495 Seminar in Environmental Studies (3) Prerequisite: Senior Standing  
(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) or General Physics (4-4)

**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, 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 hrs total for any combination of 491, 497 and 498), 499; GGY 220, 235,  
270, \*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, 475; PHY 311-312, 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

<b>Requirements to declare PRE-EVS:</b> Completion of 24 hours
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For further information see the EVS WEB site: <a href="http://www.uncw.edu/evs/">http://www.uncw.edu/evs/</a> and <a href="http://www.uncw.edu/catalogue/COURSES/Evs.htm">http://www.uncw.edu/catalogue/COURSES/Evs.htm</a>
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## 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)**