BS in Biology: Environmental Stewardship and Education Major$

**General Studies for B.S. degree:**

Communication Outcome (9 credit hours):

3 courses, grade of C or better required

ENG 101 \_\_

ENG 102 \_\_

COM 101 \_\_

Analysis Outcome (20-21 credit hours; 11-12 credit hours satisfied within major

requirements):

Students must take courses from each analytical block as directed:

Critical Reading (1 Course) Economics/Finance (1 Course)

ENG 200-400 Literature, any \_\_ ECON 103 OR FIN 131 \_\_

Logic/Critical Assessment (1 Course)

PSYC 101 OR PHIL 100-400, any \_\_

Self and Cultural Awareness Outcome (17-18 credit hours):

Students must take courses from each awareness block as directed:

Fine Arts (1 Course) Perceptions & Cultures (4 Courses)

ART 140, 340, 341, 343, 3 Courses from different groups

FA 101, MUS 130, 132, 133, GEO 205, 206 \_\_

THE 100, 300 \_\_ POLS 101, 201 \_\_

SOC 150, SWK 201 \_\_

Health and Wellness (1 Course) REL, SPAN, FREN, SPA 252 \_\_

HE 250, 253 \_\_

1 Course HIST

HIST 103, 104, 210, 211 \_\_

**Science** **Core Courses: (54 hours)**

BIO 124/125ŧ (Prin Bio/lab; F/S 4h)\_\_/\_\_ BIO 406 (Field Bio, 4h) \_\_

BIO 200 (Botany & lab; F 4h) \_\_ BIO 440 (Conservation Bio, 4h) \_\_/\_\_

BIO 202/203 (Zoology/lab; 4h) \_\_ BIO 479 (Intern, 6h) \_\_

BIO 224 (Field Natural Hist; S 3h) \_\_ MATH 140ŧ (Col Alg; F/S 3h) \_\_

BIO 225 (Ecol Hab and Bio: ter; S 3h) \_\_ CHEM 100/101\*ŧ (Found.; 4h) \_\_/\_\_

BIO 235 (Environ Pol and Iss; 3h) \_\_

BIO 404/405 (Ecology/lab; F 4h) \_\_

300-400 level biology course(s); 8-9h \_\_

\*CHEM 100/101 required for Environmental Education Concentration; Environmental Stewardship Concentration requires CHEM 110/111ŧ and CHEM 112/113.

ŧCourses fulfill General Studies Analysis Outcome, Quantitative and Scientific blocks.

**Additional Courses to be taken from the College of Liberal Arts: students will choose a minor in Geography, Physical Landscapes, *or* Appalachian Studies (15 credit hours)**

Geography minor:

GEO 205 (Intro to Geo; 3h) \_\_ GEO 206 (World Reg Geo; 3h) \_\_

GEO 306 (Phys Geo; 3h) \_\_ GEO 400 (Cultural Geo; 3h) \_\_

300-400 level GEO elect; 3h \_\_

Physical Landscapes minor:

GEO 303 (Prac App in GIS; 3h)\_\_ GEO 306 (Phys Geo; 3h) \_\_

GEO 317 (Geo of Disasters; 3h)\_\_ GEO 405 (Env Geo; 3h) \_\_

300-400 level GEO elect; 3h \_\_

Appalachian Studies minor:

ENG 230 (Appal Lit; 3h) \_\_ HIST 302 (WV & Appal Reg; 3h) \_\_

GEO 307 (Env Issues Appal; 3h)\_\_ SWK 316 (Soc Welfare Appal; 3h) \_\_

300-400 elect in social sciences or humanities; 3h \_\_

**Required Courses for the Environmental Education Concentration:(15 credit hours)**

EDUC 201 (Human Development; 3h) \_\_

CEP 443 (Fundraising and Grant Writing; 3h) \_\_

CEP 422 (Outdoor Learning Spaces; 3h) \_\_

CEP 411 (Nonformal Educational Models; 3h) \_\_

CEP 433 (Program Design and Implementation; 3hrs) \_\_

**Required Courses for the Environmental Stewardship Concentration: (19 credit hours)**

CHEM 110/111ŧ (General Chemistry I; 4h) \_\_

CHEM 112/113 (General Chemistry II; 4h) \_\_

BIO 221 (Biostats; 3h) \_\_

BIO 480 (Capstone; 1h) \_\_

Additional 7 credit hours in 300-400 level BIO, GEO, or CHEM electives

* Major requires a cumulative 2.5 gpa in all math and sciences courses with at least a “C” in each course within the program, including the minor.
* $These worksheets are to be used as a guide. Each student is responsible for their curriculum and meeting the requirements for graduation as stipulated in the college catalog.
* Courses may not be offered every semester and/or year; please consult with Biology advisor for course sequencing.
* 120 credit hours are required for graduation; 40 of these credit hours must be 300-400 level.