

**KEENE STATE COLLEGE
BACHELOR OF SCIENCE - ENVIRONMENTAL STUDIES
ENVIRONMENTAL SCIENCE OPTION**

It is the student's responsibility to follow the **official** requirements of the degree, found in the Keene State College catalog. This planning sheet is for advising purposes.

Name: _____ Student I.D.#: _____

Institution(s) Attended: _____ Credits: _____

_____ Update: _____ =

I. GENERAL EDUCATION

A. **English Language Competence:** ENG 101 is required of all students.

ENG 101: _____

B. **Arts & Humanities:** A minimum of five courses totaling at least 15 credits as follows:

One course in Literature _____
Any English course other than Eng 101, 202, 203, 204, 205, 301, 302, 303, 310, 311, 382.
FR 340 or FR, GER or SP 498 are appropriate when topics focus on French, German
or Spanish literature.

HIST _____ ART, COMM, FILM, MU or TAD _____

Two courses from Arts & Humanities disciplines: AMST, ART, COMM, FILM, ENG, FR, GER, HIST,
JRN, ML, MU, PHIL, SP, TAD or an approved interdisciplinary course (designated IDAH). One must
be ENG 202.

ENG 202: Expository Writing _____

C. **Social Sciences:** Four courses totaling at least 12 credits in the disciplines listed below.

POSC 201: Intro to POSC _____ ECON 202: Microeconomics _____

GEOG 204: Physical Geography _____

One additional course from Social Science disciplines: ECON, GEOG, POSC, PSYC, SOC or an
approved interdisciplinary course (designated IDSS).

D. **Sciences/Math:** A minimum of four courses totaling at least 12 credits as follows: One course in
BIOLOGY. One course in a **PHYSICAL SCIENCE** (ASTR, CHEM, GEOL, MET, PHYS). Two courses
from Sciences/Math disciplines: ASTR, BIO, CHEM, CS, ENST, GEOL, MATH, MET, PHYS or an
approved interdisciplinary course (designated IDSM).

BIO151/152: Life: Diversity/lab _____ GEOL 201: Intro Physical Geology _____

MAJOR REQUIREMENTS Environmental Studies Core: 29 cr (including Gen. Ed.)

ENST 100: Intro to Environmental Studies ___ 3 *MATH 141
ENST 495: Seminar ___ 3 **OR** PSYC 251: Statistics ___ 3

*May count toward General Education requirements.

ENVIRONMENTAL SCIENCE OPTION: (42 -45 CREDITS)

BIO 153/154 Life Processes & Lab ___ 4 PHYS 141: College Physics I ___ 4
CHEM 111/115: General Chem I & Lab ___ 4 PHYS 142: College Physics II ___ 4
CHEM 112/116: General Chem II & Lab ___ 4 MATH 130: Precalc **OR** MATH 151: Calc. ___ 3 or 4
GEOL 206: Oceanography ___ 3

SPECIALIZATION REQUIREMENTS: (16 -19 CREDITS)

in either Biology, Chemistry or Geology as outlined below; or in an individualized specialization approved by the ENST Steering Committee in advance. Members are Allen, Bill, Cangialosi, Duston, Eggleston, Gebauer, Mullens, Nielsen, and Weed.

ENVIRONMENTAL BIOLOGY SPECIALIZATION: (17 - 18 CREDITS)

BIO 251/255: Genetics/Exp. Gen Lab ___ 5 BIO 340: Evolution ___ 3
BIO 456: Research Methods ___ 2 **OR** BIO 440: Evolution of Earth & Life ___ 3

Two of the following:

BIO 454: Ecological Physiology ___ 3 BIO 452: Community & Ecosystem Ecology ___ 3
BIO 451: Population Ecology ___ 3

One of the following Organismal courses:

BIO 322: Flowering Plant Biology ___ 4 BIO 351: Ornithology ___ 4
BIO 333: Invertebrate Zoology ___ 3 BIO 352: Entomology ___ 3
BIO 334: Vertebrate Zoology ___ 3

ENVIRONMENTAL CHEMISTRY SPECIALIZATION: (16 crs.)

CHEM 221/225: Organic Chemistry & Lab ___ 4 CHEM 351/355: Chem Anal.of Environ & Lab ___ 4
CHEM 222/226: Organic Chemistry & Lab ___ 4

One of the following:

CHEM 382/386: Occup. Safe & Health/lab ___ 4 BIO 315: General Microbiology ___ 4
CHEM 331/337: Biochemistry & Lab ___ 4 BIO 358: Biology of Microorganisms ___ 4
GEOL 412: Geochemistry ___ 4

ENVIRONMENTAL GEOLOGY SPECIALIZATION: (17 - 18 credits)

GEOL 202: Historical Geology ___ 3

Two of the following "Environmental Geology" courses:

GEOL 315: Environmental Geology ___ 4 GEOL 412: Geochemistry ___ 3
GEOL 460: Hydrology ___ 4

One of the following "Structural Geology" courses:

GEOL 303: Structural Geology ___ 3 GEOL 309: Geomorphology ___ 3
GEOL 306: Stratigraphy ___ 3

One of the following "Maps Skills" courses:

GEOG 323: Cartography & Surveying ___ 4 GEOG 327: Intro to Remote Sensing ___ 3
GEOG 326: Geographical Info. Systems ___ 4

ELECTIVES:

Select courses to bring total amount of credits to 126.

If you wish to use transferred courses toward major/minor requirements you must use the course substitution procedure. Contact the Academic and Career Advising Center for more information. 2.3/00

