

- I. CORE CURRICULUM 44**
BIO 1110 & BIO 2000, BIO 1110 & BIO 2001, CHE 1101/1110 & CHEM 1102/1120, or PHY 1150 & PHY 1151 will count toward science requirement. MAT 1110 will count toward math requirement
- II. MAJOR REQUIREMENTS (Not including 12 s.h. already counted in I, above) 74**
2.0 major GPA is required for graduation. Major GPA calculation will include all courses under III.
- A. Science Core Requirements: 49 semester hours**
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| BIO 1110 ____ (4) Concepts of Biology | CHE 1101/1110 ____ (4) Intro to Chemistry I & Lab (ND) |
| BIO 2000 ____ (4) Botany | CHE 1102/1120 ____ (4) Intro to Chemistry II & Lab (ND) |
| Or BIO 2001 ____ (4) Zoology | CHE 2101/2203 ____ (4) Fund. of Organic Chem & Lab |
| GLY 1101 ____ (4) Introduction to Physical Geology (ND) | MAT 1110 ____ (4) Calc w/Analytical Geometry I (ND) |
| GLY 2250 ____ (4) Evolution of the Earth | MAT 1120 ____ (4) Calc w/Analytical Geometry II (ND) |
| PHY 1150 ____ (5) Analytical Physics I (ND) | STT 2810 ____ (3) Introduction to Statistics (ND, C) |
| PHY 1151 ____ (5) Analytical Physics II (ND) | |
- B. Required Environmental Courses: 19 semester hours**
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| BIO 3302 ____ (4) Ecology (ND, C) | CHE 2550 ____ (3) Introduction to Environmental Chemistry |
| GLY 4630 ____ (3) Hydrogeology (ND) | PHY 3140 ____ (3) Environmental Physics (CD) |
| GHY 3820 ____ (3) GIS for Env & Social Sciences (C) OR | GHY 3812 ____ (3) Introduction to GIS (ND, C) |
| PLN 4460 ____ (3) Environmental Policy & Planning | |
- C. Science Concentration: 12 semester hours**
(Must choose from at least two of the following categories. A writing intensive course must be taken in the Junior year.)
- Chemistry**
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| CHE 2210 ____ (2) Quantitative Analysis | CHE 2211 ____ (2) Quantitative Analysis Lab (W) |
| CHE 3301 ____ (3) Physical Chemistry I (C) | CHE 3303 ____ (1) Physical Chemistry I Lab (W) |
| CHE 3560 ____ (3) Instrumental Method of Analysis | CHE 3561 ____ (1) Instrumental Method of Analysis Lab (W) |
| CHE 4620 ____ (4) Environmental Chemistry | |
- Geophysical Sciences**
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| GHY 3310 ____ (3) Environmental Remote Sensing | GLY 3150 ____ (3) Structural Geology & Tectonics (ND, C) |
| GLY 3333 ____ (4) Geomorphology (W, ND) | GLY 3530-49 ____ (3) Selected Topics: Geoarcheology |
| GLY 3800 ____ (3) Stratigraphy & Sedimentation | GLY 4705 ____ (3) Adv. Env. & Engineering Geology |
| PHY/GLY 3160 ____ (3) Geophysics | PHY 3150 ____ (3) Physical Principles of Meteorology |
| PHY 3230 ____ (3) Thermal Physics | PHY 3850 ____ (3) Environucleonics |
| PHY 3851 ____ (1) Environucleonics lab | PHY 4020 ____ (3) Computer Methods in Phys & Eng (C) |
| PHY 4330 ____ (3) Digital Electronics | PHY 4730 ____ (3) Analog Circuit Analysis |
- Biology**
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| BIO 3304 ____ (3) Systemic Botany | BIO 3310 ____ (3) Marine Biology (W) |
| BIO 3320 ____ (3) Air Pollution Effects Plants & People (W, ND) | BIO 3530-49 ____ (3) Selected Topics: Env Toxicology |
| BIO 3530-49 ____ (3) Selected Topics: Env Microbiology | BIO 3530-49 ____ (3) Selected Topics: Soils |
| BIO 4555 ____ (4) Plant Physiology (W, ND, C) | BIO 4571 ____ (4) Plant-Insect Interactions |
- Students may take up to two organismal biology courses from the following list: BIO 4551, BIO 4552, BIO 4556, BIO 4557, BIO 4558, BIO 4559, BIO 4560, BIO 4567 _____
- D. Science Electives: 3 semester hours _____**
- E. Environmental Science Capstone Course: 3 semester hours** ENV 4100 ____ (3) Environmental Science Seminar
- IV. MINOR (optional)**
- V. ELECTIVES (taken to a minimum of 124 hours for the degree) 5**
2 semester hours of free electives must be outside the major discipline.....123

Major Designators

2 Writing (W) ____ ____
 1 Speaking (S) ____
 Certified Proficiency in Communication (CPC) ____
 CPC is met by completion of W and S designator with grade of "C" or better

Other Designators

4 Writing (W) ____ ____ ____ ____
 4 Multi Cultural (MC) ____ ____ ____ ____
 2 Numerical Data (ND) ____ ____
 2 Computer (C) ____ ____
 1 Cross Disciplinary (CD) ____ ____