

I. CORE CURRICULUM 44

Math 1110 will count toward math requirement. Either Chemistry 1101/1110 and 1102/1120 or Physics 1150 & 1151 will count toward science requirement.

II. MAJOR REQUIREMENTS..... 91

2.0 major GPA is required for graduation. Major GPA calculation will include all courses taken in the major department, plus any other courses under II.

A. Geology (41 semester hours):

- GLY 1101 ____ (4) Introduction to Physical Geology (ND)
- GLY 1102 ____ (4) Introduction to Historical Geology (ND)
- GLY 2215 ____ (4) Earth Materials
- GLY 2735 ____ (3) Preparation of Geologic Reports (W, C, S)
- GLY 3150 ____ (3) Principles of Structural Geology and Tectonics (ND, C)
- GLY 3215 ____ (3) Introduction to Crystal Chemistry and Optical Mineralogy (ND)
- GLY 3800 ____ (3) Introduction to Stratigraphy and Sedimentology
- GLY 4024 ____ (4) Paleontology & Historical Geology (W, CD, ND)
- GLY 4210 ____ (1) Geology Seminar
- GLY 4835 ____ (6) Summer Field Geology or other approved field course

And choose 6 semester hours geology electives at or above the 3000 level:

B. Biological Component (18 semester hours Biology)

- BIO 1110 ____ (4) Concepts of Biology
- And either**
- BIO 2000 ____ (4) Introduction to Botany
- OR**
- BIO 2001 ____ (4) Introduction to Zoology

And 10 semester hours of BIO at or above the 3000 level:

C. Mathematics/Chemistry/Physics (26 semester hours)

- MAT 1110 ____ (4) Calculus with Analytic Geometry I (ND)
- MAT 1120 ____ (4) Calculus with Analytic Geometry II (ND)
- CHE 1101 ____ (3) Introductory Chemistry I (ND)
- CHE 1110 ____ (1) Introductory Chemistry I Lab
- CHE 1102 ____ (3) Introductory Chemistry II (ND)
- CHE 1120 ____ (1) Introductory Chemistry II Lab
- PHY 1103 ____ (5) General Physics I (ND) or higher
- PHY 1104 ____ (5) General Physics II (ND) or higher

<u>Major Designators</u>			
2 Writing (W)	___	___	
1 Speaking (S)	___		
Certified Proficiency in Communication (CPC)	___		
Passing grade on 2 nd speech in GLY 2735 & grade of D or better in GLY 2735			
<u>Other Designators</u>			
4 Writing (W)	___	___	___
4 Multi Cultural (MC)	___	___	___
2 Numerical Data (ND)	___	___	
2 Computer (C)	___	___	
1 Cross Disciplinary (CD)	___		

D. Computer science/programming, GIS, or statistics courses (6 semester hours)

- C S 1425 ____ (3) Overview of Computer Science (C)
- GHY 2310 ____ (3) Cartographic Design & Analysis
- GHY 3310 ____ (3) Environmental Remote Sensing (ND, C)
- GHY 3810 ____ (3) GIS for Environmental & Social Sciences (ND, C)

During the senior year the B.S. (non-teaching) student must take and achieve a satisfactory score on a COMPREHENSIVE EXAMINATION covering theoretical and practical aspects in areas of geology. Students who are unsuccessful on portions or all of the examination may retake appropriate portions up to two additional times prior to graduation.

III. MINOR (optional)

IV. ELECTIVES (taken to total 125 hours for the degree) 2

2 semester hours of free electives must be outside the major discipline.

Total 137

Minus hours double counted in core

-12

Total hours must equal

125