

**I. GENERAL EDUCATION CURRICULUM ..... 44**  
*Chemistry 1101/1110 & 1102/1120 will fulfill Science Inquiry. MAT 1110 fulfills the Quantitative Literacy requirement.*

**II. LANGUAGE (Completion of 6 semester hours at the \*intermediate level, or higher)..... 6**  
\_\_\_\_\_ 1040 \_\_\_\_ and 1050 \_\_\_\_ or 1060 \_\_\_\_; or higher level courses \_\_\_\_\_  
*\*NOTE: Language 1010 and 1020 (or 1030) are prerequisites for the intermediate level courses.  
LLC 1050 or 1060 may be used in General Education Perspectives depending upon choices*

**III. MAJOR REQUIREMENTS (not including 12 s.h. from Area I, above) ..... 54**  
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 III. No more than 46 semester hours of Geology courses may be counted toward the BA Degree. Minimum of 18 semester hours of courses taken to fulfill major requirements must be courses offered by Appalachian.

**A. Geology (37 semester hours):**

Choose one introductory geology course:

- GLY 1101 \_\_\_\_\_ (4) Introduction to Physical Geology
- GLY 1102 \_\_\_\_\_ (4) Introduction to Historical Geology
- GLY 1103 \_\_\_\_\_ (4) Environmental Change, Hazards, & Resources
- GLY 1104 \_\_\_\_\_ (4) Water: Mountains to Sea
- GLY 1105 \_\_\_\_\_ (4) Oceanography
  
- GLY 2250 \_\_\_\_\_ (4) Evolution of the Earth (*Pre: GLY 1101, 1102, 1103, 1104, or 1105*)
- GLY 2745 \_\_\_\_\_ (4) Preparation of Geologic Reports [**WID**] (*Pre: RC 2001; GLY 2250*)
- GLY 3150 \_\_\_\_\_ (3) Principles of Structural Geology and Tectonics (*Pre: GLY 2250, 2745*)
- GLY 3220 \_\_\_\_\_ (3) Fundamentals of Mineralogy (*Pre/Co: GLY 2745; CHE 1101 & 1110*)
- GLY 3715 \_\_\_\_\_ (3) Petrology and Petrography (*Pre: CHE 1101/1110; GLY 2250, 2745, 3220*)
- GLY 3800 \_\_\_\_\_ (3) Sedimentology & Stratigraphy (*Pre: GLY 2250 & 2745*)
- GLY 4210 \_\_\_\_\_ (1) Geology Seminar [**CAP**] (*Pre: Sr. standing*)
- GLY 4835 \_\_\_\_\_ (6) Summer Field Geology or other approved field course (*Pre: GLY 3150, 3715, 3800*)

3 s.h. GLY electives from the following list of laboratory course (GLY 3025, 3131, 3160, 3333, 3455, 4630, 4705) \_\_\_\_\_

3 s.h. GLY electives at or above 3000 level (excluding GLY 3520) \_\_\_\_\_

**B. Mathematics/Chemistry/Physics (29 semester hours)**

- MAT 1110 \_\_\_\_\_ (4) Calculus with Analytic Geometry I (*Pre: MAT 1025 w/min grade C-*)
- MAT 1120 \_\_\_\_\_ (4) Calculus with Analytic Geometry II (*Pre: MAT 1110 w/min grade C-*)
- Elective \_\_\_\_\_ (3) Math or Computer Science Elective \_\_\_\_\_
- CHE 1101 \_\_\_\_\_ (3) Introductory Chemistry I (*Co: CHE 1110; Pre: MAT 1020 or higher*)
- CHE 1110 \_\_\_\_\_ (1) Introductory Chemistry I Lab (*Co: CHE 1101*)
- CHE 1102 \_\_\_\_\_ (3) Introductory Chemistry II (*Pre: CHE 1101; MAT 1020 or higher Co: CHE 1120*)
- CHE 1120 \_\_\_\_\_ (1) Introductory Chemistry II Lab (*Co: CHE 1102*)
- PHY 1150 \_\_\_\_\_ (5) Analytical Physics I (*Co: MAT 1110*)
- PHY 1151 \_\_\_\_\_ (5) Analytical Physics II (*Co: MAT 1120*)

During the senior year the B.A. 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.

**IV. MINOR REQUIRED ..... 12-16**  
Minimum of 9 semester hours of courses taken to fulfill minor requirements must be courses offered by Appalachian.

**V. ELECTIVES (taken to total 122 hours for the degree)..... 2-6**  
2 semester hours of free electives must be outside the major discipline. **122**