

I. GENERAL EDUCATION CURRICULUM 44
Chemistry 1101/1110 & 1102/1120 will fulfill Science Inquiry perspective. 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: ENG 2001; GLY 2250*)
- GLY 3150 _____ (3) Principles of Structural Geology and Tectonics (*Pre: GLY 2250, 2745*)
- GLY 3220 _____ (3) Fundamentals of Mineralogy (*Pre: GLY 2250*)
- GLY 3715 _____ (3) Petrology and Petrography (*Pre: CHE 1101/1110; GLY 2250, 2745, 3220*)
- GLY 3800 _____ (3) Sedimentology & Stratigraphy (*Pre: GLY 2250*)
- 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*)
- CHE 1110 _____ (1) Introductory Chemistry I Lab (*Co: CHE 1101*)
- CHE 1102 _____ (3) Introductory Chemistry II (*Pre: CHE 1101; 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**

Total major requirements – 84-88; Gen Ed courses that may count in major (depends on choices) – 12; net major -72-76 hours;