

**I. GENERAL EDUCATION CURRICULUM ..... 44**  
 Geology 1101 and 1103 fulfill Science Inquiry perspective in general education. MAT 1110 fulfills the Quantitative Literacy requirement.

**II. PROFESSIONAL EDUCATION REQUIREMENTS ..... 24**

**A minimum grade of C is required in each professional education course. CI 2300 & FDN 2400 are required prior to admission to Teacher Educ.**

CI 2300	_____ (2)	Teaching and Learning in the Digital Age ( <i>Entry course to teacher education</i> )	
FDN 2400	_____ (2)	Critical Perspectives on Teaching and Learning ( <i>Pre or Co: CI 2300</i> ) ( <i>Entry course to teacher education</i> )	
PSY 3010	_____ (3)	Psychology Applied to Teaching ( <i>Pre or Co: CI 2300</i> )	<b>PROFICIENCIES:</b>
SPE 3300*	_____ (3)	Creating Inclusive Learning Communities ( <i>Pre: CI 2300, FDN 2400, PSY 3010</i> )	Reading _____
CI 3400*	_____ (2)	Policies and Practice in Educational Assessment ( <i>Pre: CI 2300, FDN 2400, PSY 3010</i> )	English _____
CI 4900	_____ (12)	Student Teaching [ <b>CAP</b> ] ( <i>All courses in professional core must be completed with grades of C (2.0) or higher prior to student teaching, along with other courses (including methods and reading) identified within the major.</i> )	Speech _____

\*Admission to Teacher Education required.

**NOTE:** To be admitted to the Teacher Education Program students must take and satisfy testing requirements for Reading, Writing and Math areas of the PRAXIS (PPST or CBT). The PRAXIS II Area Exams are required for student teaching.

**III. MAJOR REQUIREMENTS (not including 12 hours counted in Area I, above) ..... 52**

**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. Minimum of 18 semester hours of courses taken to fulfill major requirements must be courses offered by Appalachian. Since many upper level Geology courses require GLY 1101 as a prerequisite, it is highly recommended that students complete this course during their freshman year.**

**A. Geology Courses (28 hours)**

GLY 1101	_____ (4)	Introduction to Physical Geology
<b>or</b> GLY 1510	_____ (4)	Geological Science Honors-Physical
GLY 1103	_____ (4)	Introduction to Environmental and Applied Geology
GLY 1105	_____ (4)	Oceanography
GLY 2250	_____ (4)	Evolution of the Earth ( <i>Pre: GLY 1101, 1102, 1103, 1104, or 1105</i> )
GLY 2745	_____ (4)	Preparation of Geologic Reports [ <b>WID</b> ] ( <i>Pre: ENG 2001, GLY 2250</i> )
GLY 3220	_____ (3)	Fundamentals of Mineralogy ( <i>Pre: GLY 2250</i> )
GLY 3333	_____ (3)	Geomorphology ( <i>Pre: 6 s.h. GLY</i> )
GLY 3520	_____ (1)	Instructional Asst for GLY 1101 ( <i>Pre: Jr/Sr standing</i> )
GLY 3521	_____ (1)	Secondary Science Field Experience ( <i>Pre: Jr/Sr standing</i> )

**B. At least 12 semester hours selected from the following:**

CHE 1101	_____ (3)	Introductory Chemistry I ( <i>Co: CHE 1110</i> )
CHE 1110	_____ (1)	Introductory Chemistry I Lab ( <i>Co: CHE 1101</i> )
CHE 1102	_____ (3)	Introductory Chemistry II ( <i>Pre: CHE 1101; Co: 1120</i> )
CHE 1120	_____ (1)	Introductory Chemistry II Lab ( <i>Co: CHE 1102</i> )
PHY 1103	_____ (4)	General Physics I ( <i>Co: MAT 1020 or 1025</i> )
PHY 1104	_____ (4)	General Physics II ( <i>Pre: PHY 1103</i> )

**C. Also required (24 hours):**

G S 4403	_____ (3)	Teaching Science in the Middle and High Schools [ <b>WID</b> ] ( <i>minimum "C" grade required</i> ) ( <i>Pre: ENG 2001</i> )
R E 4630	_____ (2)	Reading in the Content Areas ( <i>minimum "C" grade required</i> )
AST 1001	_____ (4)	Introductory Astronomy I – The Solar System
AST 1002	_____ (4)	Introductory Astronomy II – Stars and Galaxies ( <i>Pre: AST 1001</i> )
BIO 1801	_____ (4)	Biological Concepts I ( <i>Co: CHE 1101</i> )
GHY 3100	_____ (3)	Weather and Climate ( <i>Pre: GHY 1010</i> )
MAT 1110	_____ (4)	Calculus with Analytic Geometry I ( <i>Pre: MAT 1025 w/min grade C-</i> )

During the senior year, the B.S. Geology Teaching Licensure degree student must take the Praxis II subject area exam: Earth/Space Science (#0570) portion. The score should be reported to Appalachian State University.

**IV. MINOR (optional)**

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