

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.

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| CI 2300 | _____ (2) | Teaching and Learning in the Digital Age (Entry course to teacher education) | |
| FDN 2400 | _____ (2) | Critical Perspectives on Teaching and Learning (Pre or Co: CI 2300) (Entry course to teacher education) | |
| PSY 3010 | _____ (3) | Psychology Applied to Teaching (Pre or Co: CI 2300) | PROFICIENCIES: |
| SPE 3300* | _____ (3) | Creating Inclusive Learning Communities (Pre: CI 2300, FDN 2400, PSY 3010) | Reading _____ |
| CI 3400* | _____ (2) | Policies and Practice in Educational Assessment (Pre: CI 2300, FDN 2400, PSY 3010) | English _____ |
| CI 4900 | _____ (12) | Student Teaching [CAP] (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. | 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)

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| GLY 1101 | _____ (4) | Introduction to Physical Geology |
| <u>or</u> GLY 1510 | _____ (4) | Geological Science Honors-Physical (Pre: MAT 1020) |
| GLY 1103 | _____ (4) | Introduction to Environmental and Applied Geology |
| 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 1101, 2250) |
| GLY 3220 | _____ (3) | Fundamentals of Mineralogy (Pre: GLY 1101) |
| GLY 3333 | _____ (3) | Geomorphology (Pre: 6 s.h. GLY) |
| GLY 3520 | _____ (1) | Instructional Asst for GLY 1101 (Pre: Jr./Sr. standing) |
| GLY 3521 | _____ (1) | Secondary Science Field Experience (Pre: Jr./Sr. standing) |

Major Requirements that count in Gen Education:	
Science Inquiry	
GLY 1101	4 s.h.
GLY 1103	4 s.h.
Quantitative Literacy	
MAT 1110	4 s.h.
Total Major hrs:	64
Gen Ed hrs:	- 12
Net Major hrs:	52

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

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| 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: 1120) |
| CHE 1120 | _____ (1) | Introductory Chemistry II Lab (Co: CHE 1102) |
| PHY 1103 | _____ (4) | General Physics I (Co: MAT 1020 or 1025) |
| PHY 1104 | _____ (4) | General Physics II (Pre: PHY 1103) |

C. Also required (24 hours):

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

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