

Earth Sciences (7-12)
Teacher Licensure Requirements

Program Requirements

- Gen Ed: Satisfactory completion of all general education requirements (generally 55 sem hrs).
- Major: Satisfactory completion of a major in Geology (30-31 sem hrs) plus coursework in related sciences for a total of at least 58 sem hrs in the sciences. For students seeking a B.S. degree, see the current Academic Catalog for courses required beyond what is listed below.
- Education: Satisfactory completion of a minor in education (34 sem hrs).

Note: Beginning with the class of 2010, all courses in the teaching field must be passed with grades of C- or higher. See the Academic Catalog for additional requirements for admission and continuance in the program. Courses may not be offered every year. Be sure to check with the department for schedule of course offerings.

Required in Geology (30-31 sem hrs)

- ___ Introductory Physical Geology (one from the following courses)
- ___ Geol 150 Physical Geology (5)
 - ___ Geol 160 Environmental Geology (5) *and*
Geol 151 Physical Geology Lab Practicum (1)
 - ___ Geol 110-115 Topical sections of introductory physical geology (4) *and*
Geol 151 Physical Geology Lab Practicum (1)
- ___ Geol 230 Mineralogy and Optical Mineralogy (5)
- ___ Geol 240 Process Geomorphology (5)
- ___ Geol 260 Sedimentology (5)
- ___ Geol 315 Watershed Hydrology (4)
- ___ Geol 340 Earth History (5)
- ___ Geol 492 Senior Seminar (1)

Required from Related Departments (28 sem hrs)

- ___ Biol 180 Concepts in Biology: Biological Energy and Resources (5)
- ___ Chem 121 Models of Chemical Systems (5)
- ___ Phys 107 Astronomy (4)
- ___ Phys 200 Mechanics and Waves (5)
- ___ Geog 222 Weather and Climate (5)
- ___ Statistics (one from the following courses)
- ___ Math 127 Introductory Statistics (4) (Recommended)
 - ___ Math 227 Data Analysis (4)
 - ___ Psyc 107 Statistics (4)
 - ___ Mgt 210 Business and Economic Statistics (4)

(continued)

Required in Education (34 sem hours)

Note: All education courses must be passed with grades of C- or higher. See Academic Catalog for additional requirements for admission to and continuance in the program.

Entry-Level Courses

- ___ Educ 103 S Sociological Perspectives in Education (4)
or, Educ 104 R Philosophical Perspectives in Education (4)
- ___ Educ 112 Human Development & Learning Theory: M. Childhood thr Young Adult (2)
- ___ Educ 120 Introduction to Students with Special Needs (2)
(Educ 112 and 120 are to be taken concurrently)

Advanced Courses

Admission to the Teacher Education Program is required. Apply no later than midterm prior to enrollment in the first course.

- ___ Educ 307 Curriculum and Instruction for the Middle Grades (4)
- ___ Educ 308 Curriculum and Instruction for High School (4)
- ___ Educ 312 Reading and Writing in Content Areas (4)

Student Teaching

Application for permission to student teach must be submitted early spring term of the junior year. Educ 342, 348 and 495 are to be taken concurrently. Educ 342 & 348 are scheduled the first five weeks of the term. Ten to twelve weeks of full-time student teaching is scheduled for the remainder of the term. Other coursework, if taken, must be scheduled for late afternoon or evenings during the term.

- ___ Educ 342 Including Students w/Special Needs in Middle & Secondary Grades (2)
- ___ Educ 348 Teaching Science in Secondary Schools (2)
- ___ Educ 495 Student Teaching (10)

Additional Education Requirements:

- ___ Successful completion of State Board of Education Examinations
(Complete during the senior year)

Note: Changes in this program of study must be approved by the Chairperson of the major department and the Director of Teacher Licensure, Wittenberg University.