Adolescent Young Adult (7-12): Earth Science

Program Requirements

General Ed: Satisfactory completion of all general education requirements.
Major: Satisfactory completion of a major in Geology (31-32 credits) plus coursework in related sciences for a total of at least 58 credits 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 (36 credits) as described below. Prior to being admitted to the Teacher Education Program, the student must demonstrate Math competency by earning a grade of C- or higher in a 4-credit course that fulfills the general education quantitative reasoning requirement (course designated with a “Q”).

Requirements for AYA Licensure
All courses must be passed with a grade of C- or above. See the Academic Catalog for additional requirements for admission and continuation in the program. Courses may not be offered every year. Check the department schedules for course offerings.

Students are required to complete a capstone assessment, the edTPA (Education Teacher Performance Assessment), during their Student Teaching Seminar (EDUC 496) and earn a C- or higher in the course.

Required in Education

Entry-Level Courses (Taken prior to application for teacher candidacy)

EDUC 103S Sociological Perspectives in Education (4)*
or EDUC 104R Philosophical Perspectives in Education (4)*
EDUC 105 Educational Psychology (2)
EDUC 120 Introduction to Students with Special Needs (2) (Taken concurrently with EDUC 105)
EDUC 213 Adolescent Development and Education (4)*

Advanced Courses (Taken following admission to teacher candidacy)

EDUC 312 Reading & Writing in the Content Areas (3)* (Spring Only)
EDUC 313 Practicum: Literacy (1)
EDUC 332 Assessment and Inclusion (4)
EDUC 348 Teaching Science in Secondary Schools (3) (Fall Odd Years)
EDUC 388 Practicum: Science (1) (Fall Odd Years)

Student Teaching
Application for permission to student teach must be submitted early spring term of junior year. Other coursework, if taken, must be scheduled for late afternoon or evenings during the term.

EDUC 495 Student Teaching (10)
EDUC 496 Student Teaching Seminar (2)*

Additional Requirement for Adolescent Young Adult Licensure

Successful completion of the required licensure examinations.

*These courses are Writing Intensive.
Required in Geology 31-32 credits

_____ 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 170  Geology of the Critical Zone (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 392  Junior Seminar (1)
_____ Geol 492  Senior Seminar (1)

Required from Related Departments 28 credits

_____ 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)
_____ ESCI 100  Climate Change (4)

_____ Statistics (one of the following courses)

_____ Math 127  Introductory Statistics (4) Recommended
_____ Math 227  Data Analysis (4)
_____ Psyc 201  Statistics (4)
_____ Busn 210  Business & Economic Statistics (4)

Note: Any change(s) in this program of study must be approved by the Chairperson of the major department and the Director of Assessment and Licensure, Wittenberg University.