



**Science Education, B.S. *major***  
**Earth and Space Science Specialty (Teacher Licensure)**

---

- GEOL 4980 Research (3 credits)

Required Credits: 86

Required GPA: 2.50

**Core Courses for Science Teaching in Grades 5-8**

**COMPLETE THE FOLLOWING COURSES:**

- BIOL 1400 Cellular Principles (4 credits)  
or BIOL 1110 Human Biology (4 credits)
- BIOL 1500 Diversity of Life (4 credits)  
or BIOL 1120 General Biology: Evolution And Ecology (3 credits)
- CHEM 2211 Principles of Chemistry I (4 credits)  
or CHEM 1111 General Chemistry I (4 credits)
- CHEM 2212 Principles of Chemistry II (4 credits)  
or CHEM 1112 General Chemistry II (4 credits)
- GEOL 1110 Physical Geology (4 credits)
- SCI 3100 Integrative Science for Teachers (4 credits)
- SCI 3450 Science Methods For Grades 5-8 (4 credits)  
or ED 3410 Secondary Science Methods (4 credits)

**REQUIRED PROFESSIONAL EDUCATION COURSES**

Complete the following courses with a minimum 2.50 GPA:

- ED 3100 Introduction to the Foundations of Public School Education (3 credits)
- ED 3110 Educational Psychology (3 credits)
- ED 3140 Human Relations In Education (3 credits)
- ED 3350 Pedagogy: Planning for Instruction (3 credits)
- ED 3780 Adaptation and Management: Designing the Learning Environment (3 credits)
- ED 4737 Content Area Reading (3 credits)
- ED 4799 The Professional Teacher (1 credit)

Complete the following course:

- HLTH 3400 Health and Drugs in Society (2 credits)

Complete 12 credits of student teaching:

- ED 4830 Student Teaching - Secondary (1-12 credits)

**EARTH AND SPACE SCIENCE SPECIALTY**

**COMPLETE THE FOLLOWING COURSES:**

- ENVR 2000 Introduction to Environmental Science (3 credits)
- GEOL 1120 Historical Geology (4 credits)
- GEOL 2110 Mineralogy and Petrology (4 credits)
- GEOL 3500 Topics in Paleontology (3 credits)
- GEOL 3600 Stratigraphy and Sedimentation (3 credits)
- SCI 2100 Astronomy (3 credits)

**SELECT 1 OF THE FOLLOWING COURSES:**

- GEOL 3211 Environmental Hydrology (3 credits)
- ENVR 4050 Geochemistry (3 credits)

**SELECT 1 OF THE FOLLOWING COURSES:**

- GEOL 4970 Internship (3 credits)