

# EARTH SCIENCE EDUCATION (ESSE) w/ GEOLOGY

## Graduate Certificate in Teaching Secondary Content with option to earn an M.A. in Education, Curriculum & Instruction

Wyoming Teacher Education Program

Effective: Fall 2015  
Updated: Fall 2017

Name: \_\_\_\_\_  
W# \_\_\_\_\_ Matric. Date \_\_\_\_\_

Evaluated by: \_\_\_\_\_  
Date: \_\_\_\_\_

### Previous Academic Work

Degree(s):  B.A.  B.S.  M.A.  M.S. Other \_\_\_\_\_

Institution(s): \_\_\_\_\_  
\_\_\_\_\_

Subject(s): \_\_\_\_\_  
\_\_\_\_\_

Date(s) Earned: \_\_\_\_\_

GPA (*minimum req. graduating GPA is 2.75*): \_\_\_\_\_

**PROFESSIONAL EDUCATION REQUIREMENTS:**  
All Professional Ed courses must be completed with a grade of C or better. Please note that grades of C- or lower will not satisfy this requirement.  
Education course work completed more than 10 years ago *from any institution* will not be accepted toward this program.

All Professional Education & Major Content Courses must be completed with grade C or better. Please note that grades of C- or lower will not satisfy this requirement.  
  
Minimum 2.50 content GPA required.  
  
Minimum 2.75 UW Total Institution GPA must be maintained throughout the entire teacher certification program.  
  
All content course work must be completed prior to spring semester.  
  
Admission to the Graduate Certificate in Teaching Secondary Content with an option to earn a Master of Arts in Curriculum and Instruction is by application. Admission is not guaranteed.

**Phase Prerequisites**

\_\_\_\_\_ Sem/Yr. \_\_\_\_\_  
\_\_\_\_\_ Sem/Yr. \_\_\_\_\_  
 2.75 minimum UW Total Institution GPA  
 Current Wyoming Substitute Teaching Permit  
 2.5 minimum major content GPA (*see page 2*)

Date Accepted \_\_\_\_\_

**Summer Semester**

\_\_\_\_\_ Sem/Yr. \_\_\_\_\_  
\_\_\_\_\_ Sem/Yr. \_\_\_\_\_  
\_\_\_\_\_ Sem/Yr. \_\_\_\_\_

**Fall Semester**

\_\_\_\_\_ Sem/Yr. \_\_\_\_\_  
\_\_\_\_\_ Sem/Yr. \_\_\_\_\_  
\_\_\_\_\_ Sem/Yr. \_\_\_\_\_  
\_\_\_\_\_ Sem/Yr. \_\_\_\_\_

**Spring Semester**

\_\_\_\_\_ Sem/Yr. \_\_\_\_\_  
\_\_\_\_\_ Sem/Yr. \_\_\_\_\_

Total graduate hours earned toward M.A. in C&I: 12

Student must apply through UW Admissions for the Graduate Certificate in Teaching Secondary Content, and be accepted prior to the first day of summer courses.  
  
Secondary Education Code: CERT TSC  
Elementary Education Code: CERT TES  
  
The student's status will be as a Graduate Certificate student and graduate tuition will be charged for *all* course credits beginning with acceptance in the program.

Graduate Certificate in Teaching Secondary Content students who choose to pursue the Master of Arts in C&I must apply directly to the UW C&I graduate program. Application instructions and deadlines can be found on the UW C&I website.  
  
**Admission to graduate study is not guaranteed.**  
  
Master's candidates have six calendar years to complete their degrees from the beginning of the first course taken and listed on the Program of Study.

## GEOLOGY MAJOR CONTENT

Minimum 2.5 GPA required in major content. All major content courses must be completed with a grade of C or higher.  
Please note that grades of C- or lower will not satisfy this requirement.

### GEOLOGY Core Requirements

|   |               |
|---|---------------|
|   | Sem/Yr. _____ |
| GEOL 1100: Physical Geology (4)<br>GEOL 1500: Water, Dirt & Earth's Environment (4) |               |
|   | Sem/Yr. _____ |
|   | Sem/Yr. _____ |
|   | Sem/Yr. _____ |
|   | Sem/Yr. _____ |
|   | Sem/Yr. _____ |
| GEOL 2080: General Field Geology (3)<br>GEOL 4717: Summer Field Course (3-6)        |               |
|   | Sem/Yr. _____ |

*This is a **SPRING ONLY** course. Students **MUST** have 26 hrs of GEOL courses completed prior to enrollment & JR class standing.*

### REQUIRED additional content

|  |               |
|--|---------------|
|  | Sem/Yr. _____ |
|  | Sem/Yr. _____ |
|  | Sem/Yr. _____ |
|  | Sem/Yr. _____ |
|  | Sem/Yr. _____ |
|  | Sem/Yr. _____ |
| MATH 1405: Trigonometry (3)<br>MATH 1450: Algebra & Trigonometry (5) |               |
|  | Sem/Yr. _____ |

### Geology elective courses: 6 courses from the following recommended list. \* highly recommended

- ATSC 2000: Meteorology (4) OR GEOG 3450: Weather & Climate (3)
- GEOL 2050: Principles of Paleontology (3)
- GEOL 2070: Intro. to Oceanography (4)
- GEOL 2005: Intro. to Geophysics (4) OR GEOL 3005: Principles of Geophysics (4)
- GEOL 3400: Geologic Hazards (4)
- GEOL 3500: Global Change (4)\*
- GEOL 3600: Earth & Mineral Resources (4)
- GEOL 3650: Energy, a Geological Perspective (4)
- GEOL 4444: Geohydrology (4)
- GEOL 4490: Geochemistry (3)
- GEOL 4610: Structural Geology & Tectonics (4)
- GEOL 4835: Applies/Exploration Geophysics (3)
- ECON 2400: Economics of the Environment (3)
- GEOG 3010: Landforms and Soils (3)
- POLS 4051: Environmental Politics & Administration (3)
- SOIL 4120: Genesis, Morphology, Classification of Soils (4)
- ECON 4400: Environmental Economics (3)
- ECON 4410: Natural Resource Economics (3)

|  |               |
|--|---------------|
|  | Sem/Yr. _____ |
|  | Sem/Yr. _____ |
|  | Sem/Yr. _____ |
|  | Sem/Yr. _____ |
|  | Sem/Yr. _____ |
|  | Sem/Yr. _____ |

### Petitions & Notes (USP, UW Exception Requests, College of Education Exception Requests)

### Science Endorsement Options:

- Biology
  Physics
  Chemistry

### Praxis Subject Exam Option:

#5571 - Earth & Space Sciences Content Knowledge  
Qualifying Score: 150