

EARTH SCIENCE EDUCATION (ESSE) w/concurrent GEOLOGY (GEOL)

Wyoming Teacher Education Program

Total credit requirement: 120 minimum
42 credit hours must be upper division

Effective: Fall 2015
Updated: Fall 2017

Name: _____

Evaluated by: _____

W# _____

Matric. Date _____

Date: _____

WYO Core Complete? Yes No

Background check completed DFS/DCI WY Sub Permit

UNIVERSITY STUDIES PROGRAM REQUIREMENTS

please see USP catalog info for full course options

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.

Intellectual and Practical Skills (IPS)

Phase Prerequisites

First Year Experience

(Each requirement must be completed with a grade of C or better to meet College of Education Phase II prerequisites or USP requirements. Please note that grades of C- or lower will not satisfy these requirements.)

_____ FYS _____ Sem/Yr. _____
 _____ COM1 _____ Sem/Yr. _____
 _____ Q _____ Sem/Yr. _____

_____ Sem/Yr. _____
 _____ Sem/Yr. _____
 2.50 minimum UW Total Institution GPA
 Sophomore Standing (30+ credits)

Additional IPS

_____ COM2 _____ Sem/Yr. _____
 _____ COM3 _____ Sem/Yr. _____

Phase I: The above criteria must be met prior to enrollment

Knowledge of Human Culture (H), Physical & Natural World (PN), US/WY Constitution (V)

***Courses may be part of a major, but cannot be offered by the major department.
One course cannot fulfill both categories.***

_____ H _____ Sem/Yr. _____
 _____ H _____ Sem/Yr. _____
 _____ PN _____ Sem/Yr. _____
 _____ PN _____ Sem/Yr. _____
 _____ V _____ Sem/Yr. _____

_____ Sem/Yr. _____
 _____ Sem/Yr. _____
 C or better in Q
 C or better in COM1
 Current Wyoming Substitute Teaching Permit Sem/Yr. _____
 2.75 minimum UW Total Institution GPA
 Junior standing (60+ credits)
 Application is due prior to enrollment Sem/Yr. _____

Phase II: The above criteria must be met prior to enrollment

_____ Sem/Yr. _____
 _____ Sem/Yr. _____
 2.75 minimum UW Total Institution GPA
 2.5 minimum major content GPA (*see page 2*)
 Application is due prior to enrollment Sem/Yr. _____

Phase III: The above criteria must be met prior to enrollment

Phase IIIa - Methods - *Offered FALL SEMESTER ONLY* } Sem/Yr. _____

STRONGLY RECOMMENDED - complete Methods I & II the fall prior to your Residency.

ECON 1200: Economics, Law & Government (3)
 HIST 1211: US History to 1865 (3)
 HIST 1221: US History from 1865 (3)
 HIST 1251: History of Wyoming (3)
 POLS 1000: American & Wyoming Government (3)
 Wyoming Challenge Exam Eligible

Phase IIIb - Residency - *Offered SPRING SEMESTER ONLY* } Sem/Yr. _____

_____ EDSE 4500 Residency in Teaching (15)

GEOLOGY MAJOR CONTENT (64 hrs minimum)

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) GEOL 1500: Water, Dirt & Earth's Environment (4)	
	Sem/Yr.
	Sem/Yr.
	Sem/Yr.
	Sem/Yr.
	Sem/Yr.
GEOL 2080: General Field Geology (3) 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) 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

Upper Division Credits

Must have a minimum of 42 upper division hours to graduate.

- UD Electives 12
- LIFE 3400 3
- LIFE 3050 4
- EDST 3000 6
- EDST 3550 2
- EDSE 3275 3
- EDSE 4275 4
- EDSE 4500 15

Residency may also be completed for 16 credits.

TOTAL **49**
(42 hours minimum required to graduate)