

EARTH SCIENCE EDUCATION (ESSE) w/concurrent ENVIRONMENTAL SYSTEMS SCIENCE (ENSS)

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

Wyoming Teacher Education Program

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. _____

Additional IPS

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

**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. _____

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

Electives to reach 120 total hours & 42 hours of upper division
We highly recommend you add at least one science endorsement and/or minor in a related field or area of interest.

_____ Sem/Yr. _____
_____ Sem/Yr. _____
_____ Sem/Yr. _____
_____ Sem/Yr. _____
_____ Sem/Yr. _____

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

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

_____ 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.

Phase IIIb - Residency - Offered SPRING SEMESTER ONLY } Sem/Yr. _____
EDSE 4500 Residency in Teaching (15-16)

ENVIRONMENTAL SYSTEM SCIENCE MAJOR CONTENT (54 hours 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.

Foundations

	Sem/Yr. _____
ESS 1000 Wyoming in the Earth System (3) or approved equivalent.	
	Sem/Yr. _____
ENR 1200: Environment (4) LIFE 1010: General Biology (4)	
	Sem/Yr. _____
ENR/GEOL 1500: Water Dirt & Climate (4) GEOG 1010: Physical Geography (4) GEOL 1100: Physical Geology (4)	

Foundation of Physical Sciences

	Sem/Yr. _____
	Sem/Yr. _____
	Sem/Yr. _____
	Sem/Yr. _____

Spheres

	Sem/Yr. _____
ANTH/ENR 4310: Environmental Anthropology (3) ENR/GEOG 4040: Conservation of Natural Resources (3)	
	Sem/Yr. _____
ATSC 2100: Global Warming, Sci of Humankinds Energy Consump (3) GEOG 3450: Weather & Climate (3) GEOL 3500: Global Change: A Geological Perspective (4)	
	Sem/Yr. _____
LIFE 2022: Animal Biology (4) LIFE 2023: Plant & Fungal Biology (4) LIFE 3400: General Ecology (3) MICR/MOLB 2021: General Microbiology (4) GEOG 4460: Biogeography (3)	

Lithosphere- 2 courses

	Sem/Yr. _____
GEOL 3480: Environmental Change (3) GEOL 3500: Global Change: A Geological Perspective (4)	
	Sem/Yr. _____
GEOL 2150: Geomorphology (4) GEOG 3010: Geomorphology of Earth's Dynamic Landscapes (3) REWM/ENR 4285: Wildland Hydrology (3) GEOG 4450: Fluvial Geomorphology (3)	

Skills & Tools

	Sem/Yr. _____
	Sem/Yr. _____
ENR/GEOL 4525: Environmental Data Analysis (4) <i>spring only</i> ENR 4500: Risk Analysis (4)	
	Sem/Yr. _____
GEOG 2150: Foundations of GIS & Technology (4) BOT/GEOG 3150: Survey of Remote Sensing Applications (3) BOT/GEOG 4111: Remote Sensing of the Environment (4) GEOG 4200: Introduction to GIS (4)	
	Sem/Yr. _____

The Internship requirement is met through successful completion of Residency in Teaching.

Minor or concurrent/double major (required) - exact credit hours determined by chosen minor/major. **The declared major in Secondary Science Education fulfills this requirement.**

Science Endorsement Options:

Biology
 Physics
 Chemistry

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

Upper Division Credits

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

<input type="checkbox"/> Anthrosphere	3	<input type="checkbox"/> EDSE 3275	3
<input type="checkbox"/> Environmental Change	3	<input type="checkbox"/> EDST 3000	6
<input type="checkbox"/> Data Analysis	3	<input type="checkbox"/> EDST 3550	2
		<input type="checkbox"/> EDSE 4275	4
		<input type="checkbox"/> EDSE 4500	16

TOTAL 40

Residency may also be completed for 15 credits.