

# EARTH SCIENCE - WITH SECONDARY CERTIFICATION BA/BS

The Earth Science major provides a quantitative education in Earth's systems, including the solid earth, hydrosphere, atmosphere and biosphere. Students will gain a foundational understanding of the major features of each of these systems and the interrelations between them through lecture, laboratory and field studies. The Earth science secondary education major prepares student for a secondary teaching certification.

## General Education Core

Code	Title	Credits
<b>Written Communication</b>		
Select one of the following:		6.00
ENGL-101 & ENGL-102	COLLEGE WRITING and RESEARCH WRITING	
ENGL-109	COLLEGE WRITING AND RESEARCH	
<b>Oral Communication</b>		
Select one of the following:		3.00
COMM-101	PRINCIPLES OF SPEECH	
COMM-202	INTERPERSONAL COMMUNICATION	
COMM-203	SMALL GROUP COMMUNICATION	
COMM-204	PUBLIC SPEAKING	
<b>Mathematical Ways of Knowing</b>		
MATH-170	CALCULUS I	4.00
<b>Humanistic &amp; Artistic Ways of Knowing</b>		
Select one of the following:		3.00
ENGL-150	INTRODUCTION TO LITERATURE	
ENGL-257	WORLD CLASSICS	
ENGL-258	INTERNATIONAL LITERATURE	
Select one of the following:		3.00
ART-100	SURVEY OF ART	
HUM-101	THE ART AND HISTORY OF THE MOTION PICTURE	
HUM-150	INTRODUCTION TO THE ARTS	
MUS-101	SURVEY OF MUSIC	
MUS-102	MUSIC IN AMERICA	
MUS-150	WORLD MUSIC	
MUS-151	HISTORY OF MUSICAL THEATER	
THEA-101	SURVEY OF THE THEATER	
<b>Scientific Ways of Knowing</b>		
CHEM-111	PRINCIPLES OF CHEMISTRY I	4.00
PHYS-111	GENERAL PHYSICS I	4.00
or PHYS-211	ENGINEERING PHYSICS I	
<b>Social &amp; Behavioral Ways of Knowing</b>		
PSYC-205	DEVELOPMENTAL PSYCHOLOGY	3.00
Select one of the following:		3.00
ANTH-102	CULTURAL ANTHROPOLOGY	
ANTH-120	WORLD PREHISTORY	
ANTH-170	INTRODUCTION TO NATIVE AMERICAN STUDIES	
ECON-201	PRINCIPLES AND THEORY OF MACROECONOMICS	
ECON-202	PRINCIPLES AND THEORY OF MICROECONOMICS	
GEOG-102	INTRODUCTION TO GEOGRAPHY	
HIST-101	HISTORY OF CIVILIZATION	
HIST-102	HISTORY OF CIVILIZATION	
HIST-111	UNITED STATES HISTORY TO 1865	
HIST-112	UNITED STATES HISTORY SINCE 1865	

HRPT/SS-184	DIVERSITY IN ORGANIZATIONS
HRPT/SS-185	HUMAN RELATIONS IN ORGANIZATIONS
POLS-101	AMERICAN NATIONAL GOVERNMENT
POLS-285	COMPARATIVE GOVERNMENT
PSYC-101	INTRODUCTION TO PSYCHOLOGY
SOC-102	CURRENT SOCIAL PROBLEMS
SOC-101	INTRODUCTION TO SOCIOLOGY

**Diversity**

Select one of the following: 3.00

ANTH-102	CULTURAL ANTHROPOLOGY
ANTH-120	WORLD PREHISTORY
ANTH-170	INTRODUCTION TO NATIVE AMERICAN STUDIES
ANTH-360	RACE AND ETHNICITY
COMM-345	COMMUNICATION AND DIVERSITY
ENGL-258	INTERNATIONAL LITERATURE
ENGL-474	NATIVE AMERICAN WRITTEN LITERATURE
GEOG-102	INTRODUCTION TO GEOGRAPHY
HIST-101	HISTORY OF CIVILIZATION
HIST-102	HISTORY OF CIVILIZATION
HIST-111	UNITED STATES HISTORY TO 1865
HIST-112	UNITED STATES HISTORY SINCE 1865
HRPT/SS-184	DIVERSITY IN ORGANIZATIONS
NP-101	ELEMENTARY NEZ PERCE LANGUAGE I
NP-102	ELEMENTARY NEZ PERCE LANGUAGE II
POLS-285	COMPARATIVE GOVERNMENT
SOC-101	INTRODUCTION TO SOCIOLOGY
SPAN-101	ELEMENTARY SPANISH I
SPAN-102	ELEMENTARY SPANISH II
SPAN-201	INTERMEDIATE SPANISH I
SPAN-202	INTERMEDIATE SPANISH II

**Integrative Seminar: Ethics & Values**

Select one of the following: 3.00

ID 300A - 300T (See course descriptions for options)	
ID-301A	HELLS CANYON INSTITUTE

**Foreign/Heritage Language**

Take 16 credits if a BA is desired 16.00

Total Credits 39.00

## Program Requirements

Secondary certification candidates must meet the graduation requirements for their major and the Secondary Teacher Education Program and must have two advisors. (see below)

Code	Title	Credits
<b>Earth Science Program</b>		
CHEM-112	PRINCIPLES OF CHEMISTRY II	4.00
GEOL-100	ENVIRONMENTAL EARTH SCIENCE	4.00
GEOL-120	INTRODUCTION TO EARTH SYSTEMS	4.00
GEOL-202	HISTORICAL GEOLOGY	4.00
GEOL-313	EARTH MATERIALS I	4.00
GEOL-314	EARTH MATERIALS II	4.00
GEOL-450	EARTH SYSTEMS CAPSTONE	3.00
PHYS-205	DESCRIPTIVE ASTRONOMY	4.00
PHYS-112	GENERAL PHYSICS II	4.00

or PHYS-212	ENGINEERING PHYSICS II	
<b>Selectives</b>		
Select 8 credits from any GEOL or GIS courses numbered 200 or higher <sup>1</sup>		8.00
<b>General Electives</b>		
Select 7 elective credits		7.00
<b>Secondary Education Certificate</b>		
See Secondary Education Certificate Requirements below		39.00
<b>Total Credits</b>		<b>89.00</b>

<sup>1</sup> See Catalog section "Education Division: Secondary Teacher Certification" regarding certification requirements for this major. Selective course choices could be affected

## Secondary Education Certificate Requirements

Application for admission to the Teacher Education Program is required after successful completion of Phase I courses.

Code	Title	Credits
<b>Phase I - Professional Foundations of Education</b>		
ED-214	PRINCIPLES OF EDUCATION <sup>1</sup>	3.00
ED-318	ASSESSMENT OF LEARNING <sup>1</sup>	3.00
ED-321	EDUCATIONAL PSYCHOLOGY <sup>1</sup>	3.00
ED-330	CULTURALLY RESPONSIVE CLASSROOM (may be taken in Phase I or Phase II)	2.00
SE-322	INCLUSION STRATEGIES K-12 (may be taken in Phase I or Phase II)	3.00
<b>Phase II - Professional Studies in Education</b>		
ED-445	INSTRUCTIONAL STRATEGIES AND CLASSROOM MANAGEMENT, 6-12	3.00
ED-449	TEACHING METHODS IN THE CONTENT AREA	3.00
ED-453	MEDIA AND TECHNOLOGY FOR TEACHING	3.00
RE-422	READING IN THE CONTENT AREA K-12	3.00
<b>Phase III - Instructional Methods in Education</b>		
ED-452	INTERNSHIP SEMINAR	1.00
ED-460	PROFESSIONAL INTERNSHIP IN EDUCATION 6-12	12.00
<b>Total Credits</b>		<b>39.00</b>

<sup>1</sup> Additional requirements must be met for teacher certification. See your Education Division advisor for details.

No grade lower than a "C-" will be accepted in any General Education core, Content Major, or Professional Foundations course. No grade lower than a "B-" will be accepted in any Professional Studies or Professional Internship secondary education course

A minimum cumulative GPA of 2.75 is required for admission into the Secondary Teacher Education Program. Candidates must also maintain a 3.0 cumulative GPA in their content area classes.

## Summary

Code	Title	Credits
General Education Core		39
Major Courses		35
Science Electives		8
General Electives		7
Secondary Education		39
<b>Total</b>		<b>128</b>