

GENERAL STUDIES: NATURAL SCIENCE & MATHEMATICS BA/BS

The General Studies: Natural Sciences & Mathematics program allows a student to develop their own course of study from the different disciplines within the Division of Natural Sciences & Mathematics. Students work with their advisor to tailor the classes in their degree to match personal and professional goals. This degree option serves students that need a custom program in preparation for further graduate studies or pre-professional coursework.

This degree option is not compatible with plans for future teacher certification. Students interested in teacher certification should instead consider the Natural Science – with Secondary Certification program.

Program Learning Outcomes:

Students who complete this program will meet 75% of the outcomes associated with the program with which their curriculum is most closely aligned.

General Education Requirements

Code	Title	Credits
Written Communication		
Select one of the following:		6.00
ENGL-101 & ENGL-102	WRITING AND RHETORIC I and WRITING AND RHETORIC II	
ENGL-109	COLLEGE WRITING AND RESEARCH	
Oral Communication		
Select one from the following:		3.00
COMM-101	FUNDAMENTALS OF ORAL COMMUNICATION	
COMM-203	SMALL GROUP COMMUNICATION	
COMM-204	PUBLIC SPEAKING	
Mathematical Ways of Knowing		
Select one of the following:		3.00-5.00
CS-108 or CITPT-108	INTRODUCTION TO COMPUTER SCIENCE	
MATH-123	MATH IN MODERN SOCIETY	
MATH-130	FINITE MATHEMATICS	
MATH-143	PRECALCULUS I: ALGEBRA	
MATH-147	PRECALCULUS	
MATH-153	STATISTICAL REASONING	
MATH-170	CALCULUS I	
MATH-253	STATISTICAL METHODS FOR THE SCIENCES	
MATH-257	MATHEMATICS FOR ELEMENTARY TEACHERS II	
MTHPT-130	FINITE MATHEMATICS	
MTHPT-137	MATH FOR TECHNOLOGY	
MTHPT-153	STATISTICAL REASONING	
Humanistic & Artistic Ways of Knowing		
Select one course from two categories:		6.00-8.00
Literature		
ENGL-175	LITERATURE AND IDEAS	
ENGL-257	WORLD CLASSICS	
ENGL-258	INTERNATIONAL LITERATURE	
ENGL-260	NATIVE AMERICAN LITERATURE	
ENGL-261	MYTHOLOGIES	
Arts		
ART-100	INTRODUCTION TO 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	
MUS-152	HISTORY OF JAZZ AND POPULAR MUSIC STYLES	
THEA-101	SURVEY OF THE THEATER	
Language		
NP-101	NEZ PERCE LANGUAGE AND CULTURE	
NP-102	NEZ PERCE LANGUAGE AND HISTORY	
SPAN-101	ELEMENTARY SPANISH I	
SPAN-102	ELEMENTARY SPANISH II	
Scientific Ways of Knowing		
Select one course from two disciplines; one lab		7.00-8.00
BIOF-100	INTRODUCTION TO BIOINFORMATICS	
BIOL-100	CONCEPTS OF BIOLOGY	
BIOL-120	PLANTS AND PEOPLE	
BIOL-123	BIOLOGY IN FILM	
BIOL-175	HUMAN BIOLOGY	
BIOL-227	HUMAN ANATOMY AND PHYSIOLOGY I	
CHEM-100	CONCEPTS OF CHEMISTRY	
CHEM-105	GENERAL, ORGANIC AND BIOCHEMISTRY	
CHEM-111	PRINCIPLES OF CHEMISTRY I	
ENGR-108	SEMICONDUCTORS, SCIENCE, AND SOCIETY	
FSCI-101	INTRODUCTION TO FORENSIC SCIENCE	
GEOL-101	PHYSICAL GEOLOGY	
GEOL-120	INTRODUCTION TO EARTH SYSTEMS	
GIS-271	GEOGRAPHIC INFORMATION SYSTEMS	
ID-240	INTEGRATED SCIENCE II	
NS-140	INTEGRATED SCIENCE I	
NS-150	INTRODUCTION TO NATURAL SCIENCES ¹	
NS-174	NATURAL SCIENCE FOR ELEMENTARY EDUCATOR	
PHYS-111	GENERAL PHYSICS I	
or PHYS-112	GENERAL PHYSICS II	
PHYS-171	PHYS SCIENCES FOR ELEMENTARY EDUCATORS	
PHYS-205	DESCRIPTIVE ASTRONOMY	
PHYS-211	PHYSICS FOR SCIENTISTS AND ENGINEERS I	
Social & Behavioral Ways of Knowing		
Select one course from two disciplines:		6.00
ANTH-102	CULTURAL ANTHROPOLOGY	
ANTH-120	WORLD PREHISTORY	
ANTH-170	INTRODUCTION TO NATIVE AMERICAN STUDIES	
ECON-201	PRINCIPLES OF MACROECONOMICS	
ECON-202	PRINCIPLES OF MICROECONOMICS	
GEOG-102	INTRODUCTION TO GEOGRAPHY	
HIST-101	WORLD HISTORY I	
HIST-102	WORLD HISTORY II	
HIST-111	UNITED STATES HISTORY I	
HIST-112	UNITED STATES HISTORY II	
HRPT-184	DIVERSITY IN ORGANIZATIONS	
HRPT-185	HUMAN RELATIONS IN ORGANIZATIONS	
POLS-101	AMERICAN NATIONAL GOVERNMENT	

POLS-237	INTERNATIONAL POLITICS
POLS-285	COMPARATIVE GOVERNMENT
PSYC-101	INTRODUCTION TO GENERAL PSYCHOLOGY
PSYC-205	LIFESPAN DEVELOPMENTAL PSYCHOLOGY
SOC-101	INTRODUCTION TO SOCIOLOGY
SOC-102	SOCIAL PROBLEMS
SS-184	DIVERSITY IN ORGANIZATIONS
SS-185	HUMAN RELATIONS IN ORGANIZATIONS

Global Perspectives

Select one of the following: 3.00-4.00

ANTH-102	CULTURAL ANTHROPOLOGY
ANTH-120	WORLD PREHISTORY
ANTH-170	INTRODUCTION TO NATIVE AMERICAN STUDIES
ANTH-360	RACE AND ETHNICITY
COMM-345	INTERCULTURAL COMMUNICATION
ENGL-258	INTERNATIONAL LITERATURE
ENGL-474	NATIVE AMERICAN WRITTEN LITERATURE
GEOG-102	INTRODUCTION TO GEOGRAPHY
HIST-101	WORLD HISTORY I
HIST-102	WORLD HISTORY II
HIST-111	UNITED STATES HISTORY I
HIST-112	UNITED STATES HISTORY II
HRPT-184	DIVERSITY IN ORGANIZATIONS
ID-300C	ETHICS AND IDENTITY
KIN-220	SOCIAL-CULTURAL ASPECTS OF SPORTS
NP-101	NEZ PERCE LANGUAGE AND CULTURE
NP-102	NEZ PERCE LANGUAGE AND HISTORY
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
SS-184	DIVERSITY IN ORGANIZATIONS

Integrative Seminar: Ethics & Values

Select one of the following: 3.00

ID 300A - 300Z (see course descriptions for options)	
ID-301A	HELLS CANYON INSTITUTE

Foreign/Heritage Language

Select 16 credits of language if selecting Bachelor of Arts Degree 16.00

Total Credits 37.00-43.00

Program Requirements

Code	Title	Credits
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Major Courses

Select 60 credits from these disciplines: BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS 60.00

A minimum of 30 upper division credits in the Major area

One course from at least 4 of the Division's disciplines

Note: Major credits may not duplicate General Education courses

Electives

Select 31 elective credits	31.00
Total Credits	91.00

Sequential Plan of Study

Course	Title	Credits
First Year		
Fall		
ENGL-101	WRITING AND RHETORIC I	3.00
CORE	Oral Communication	3.00
CORE	Scientific Ways of Knowing	3.00
CORE	Social & Behavioral Ways of Knowing	3.00
Elective	Elective Credits	4.00
Credits		16.00
Spring		
ENGL-102	WRITING AND RHETORIC II	3.00
CORE	Humanistic & Artistic Ways of Knowing	3.00
CORE	Humanistic & Artistic Ways of Knowing	3.00
CORE	Social & Behavioral Ways of Knowing	3.00
Elective	Elective Credits	4.00
Credits		16.00
Second Year		
Fall		
CORE	Mathematical Ways of Knowing	3.00
CORE	Global Perspectives	3.00
NS	Natural Science Course ¹	3.00
NS	Natural Science Course ¹	3.00
NS	Natural Science Course ¹	3.00
Credits		15.00
Spring		
CORE	Scientific Ways of Knowing	4.00
CORE	Integrative Seminar: Ethics & Values	3.00
NS	Natural Science Course ¹	3.00
NS	Natural Science Course ¹	3.00
Elective	Elective Credits	3.00
Credits		16.00
Third Year		
Fall		
NS	Natural Science Course ¹	3.00
NS	Natural Science Course ¹	3.00
NS	Natural Science Course 300/400 Level ¹	3.00
NS	Natural Science Course 300/400 Level ¹	3.00
Elective	Elective Credits	3.00
Elective	Elective Credits	3.00
Credits		18.00
Spring		
NS	Natural Science Course ¹	3.00
NS	Natural Science Course ¹	3.00
NS	Natural Science Course ¹	3.00
NS	Natural Science Course 300/400 Level ¹	3.00
Elective	Elective Credits	4.00
Credits		16.00

Fourth Year**Fall**

NS	Natural Science Course 300/400 Level ¹	3.00
NS	Natural Science Course 300/400 Level ¹	3.00
NS	Natural Science Course 300/400 Level ¹	3.00
NS	Natural Science Course 300/400 Level ¹	3.00
Elective	Elective Credits	4.00
Credits		16.00

Spring

NS	Natural Science Course 300/400 Level ¹	3.00
NS	Natural Science Course 300/400 Level ¹	3.00
NS	Natural Science Course 300/400 Level ¹	3.00
Elective	Elective Credits	3.00
Elective	Elective Credits	3.00
Credits		15.00
Total Credits		128.00

The BA/BS in General Studies: Natural Science & Mathematics prepares students for a wide variety of opportunities including professional employment and graduate school.