GENERAL STUDIES: NATURAL SCIENCES & MATHEMATICS BA/BS

The General Studies: Natural Sciences & Mathematics program allows a student to develop their own course of study from science and math disciplines. 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 of 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	INTRODUCTION TO COMPUTER SCIENCE	
or CITPT-108	INTRODUCTION TO COMPUTER SCIENCE	
MATH-123	MATH IN MODERN SOCIETY	
MATH-130	FINITE MATHEMATICS	
MATH-137	ALGEBRA, TRIG AND STAT WITH APPLICATION	
MATH-140	ALGEBRAIC REASONING AND PROBLEM-SOLVING	
MATH-143	PRECALCULUS I: ALGEBRA	
MATH-147	PRECALCULUS	
MATH-153	STATISTICAL REASONING	
MATH-160	BRIEF CALCULUS	
MATH-170	CALCULUS I	
MATH-254	STATISTICAL METHODS	
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 two courses from two different categories (Literature, Arts, Language):		6.00-7.00
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 two courses from two different disciplines; one course must include a 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-160	WATER AND ENERGY	
ID-240	INTEGRATED SCIENCE II	
NS-140	INTEGRATED SCIENCE I	
NS-150	INTRODUCTION TO NATURAL SCIENCES	
NS-174	NATURAL SCIENCE FOR ELEMENTARY EDUCATOR	
PHYS-111	GENERAL PHYSICS I	
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 two courses from two different 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 (*)	
or SS-184	DIVERSITY IN ORGANIZATIONS	
HRPT-185	HUMAN RELATIONS IN ORGANIZATIONS	
or SS-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	
Global Perspectives		
Select one of the following:		3.00-4.00
Courses above designated with an asterisk (*) are eligible to fulfill the Global Perspectives requirement. Please note that an asterisked course may not be used to satisfy more than one core requirement.		
ANTH-360	RACE AND ETHNICITY	
COMM-345	INTERCULTURAL COMMUNICATION	
ENGL-474	NATIVE AMERICAN WRITTEN LITERATURE	
ID-300C	ETHICS AND IDENTITY	
KIN-220	SOCIAL-CULTURAL ASPECTS OF SPORTS	
SPAN-201	INTERMEDIATE SPANISH I	
SPAN-202	INTERMEDIATE SPANISH II	
Integrative Seminar: Ethics & Values		
Select one of the following:		3.00
ID-300A	ANIMALS AND SOCIETY	
ID-300B	ART AND CENSORSHIP	
ID-300D	ETHICS AND ECOLOGY	
ID-300E	ETHICS AND TECHNOLOGY	
ID-300F	GENDER AND CULTURE	
ID-300G	HEALTH INTEGRATIVE SEMINAR	
ID-300H	LAW AND SOCIETY	
ID-300J	TERRORISM CONTEMPORARY ERA	
ID-300K	VALUES AND SPORTS	
ID-300L	VIETNAM	
ID-300M	VULNERABLE POPULATIONS	
ID-300N	WILDERNESS	
ID-300P	DISEASES AND SOCIETY	
ID-300Q	ECONOMICS OF GOOD AND EVIL	
ID-300R	LEADERSHIP AND ETHICS	
ID-300S	NORTHWEST CULTURE/HISTORY/LITERATURE	
ID-300T	PROPAGANDA	
ID-300U	WOMEN IN THE 20TH CENTURY	
ID-300V	GANDHIAN ETHICS AND VALUES	
ID-300W	ETHICS OF FOOD AND AGRICULTURE	
ID-300X	ETHICS: CIVIL RIGHTS MOVEMENTS	
ID-300Y	SALMON RIVER GEOLOGY, BIOLOGY, HUMAN HISTORY	
ID-301A	HELLS CANYON INSTITUTE	
Foreign/Heritage Language		
Select 16 credits of language if selecting Bachelor of Arts Degree		
Total Credits		**37.00-42.00**

Program Requirements

Code	Title	Credits
Major Courses		
Select 56 credits from these disciplines: BIOL; CHEM; CS; ENGR; GEOL; GIS; HLTH; KIN; MATH; PHYS		56.00
A minimum of 30 upper division credits in the Major area		
One course from at least 4 of the major's disciplines		
BIOL; CHEM; CS; ENGR; GEOL; GIS; HLTH; KIN; MATH; PHYS		
Electives		
Select 27 elective credits		27.00
Total Credits		**83.00**

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
	Credits	**12.00**
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
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH [1]	4.00
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH [1]	3.00
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH [1]	3.00
	Credits	**16.00**
Spring		
CORE	Scientific Ways of Knowing	4.00
CORE	Integrative Seminar: Ethics & Values	3.00
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH [1]	4.00
Elective	Elective Credits	3.00
	Credits	**14.00**
Third Year		
Fall		
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH [1]	3.00
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH at 300/400 Level [1]	3.00
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH at 300/400 Level [1]	3.00
Elective	Elective Credits	3.00
Elective	Elective Credits	3.00
	Credits	**15.00**
Spring		
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH [1]	3.00

Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH [1]	3.00
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH [1]	3.00
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH at 300/400 Level [1]	3.00
Elective	Elective Credits	4.00
	Credits	**16.00**
Fourth Year		
Fall		
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH at 300/400 Level [1]	3.00
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH at 300/400 Level [1]	3.00
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH at 300/400 Level [1]	3.00
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH at 300/400 Level [1]	3.00
Elective	Elective Credits	4.00
	Credits	**16.00**
Spring		
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH at 300/400 Level [1]	3.00
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH at 300/400 Level [1]	3.00
Disciplines	Select from BIOL; CHEM; CS; ENGR; GEOL; GIS; MATH; PHYS; KIN; HLTH at 300/400 Level [1]	3.00
Elective	Elective Credits	3.00
Elective	Elective Credits	3.00
	Credits	**15.00**
	Total Credits	**120.00**

[1] Natural Science course may come from the following disciplines: BIOL, CHEM, CS, ENGR, GEOL, GIS, HLTH, KIN, MATH or PHYS. Must take courses from at least 4 different disciplines. A minimum of 30 upper division credits in the Major area.

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