

BUSINESS INFORMATICS BA/BS

This major provides students with both Business and Computer Science knowledge and skills. It will prepare graduates for careers that require skills with both business acumen and computer and technology expertise. Courses in this major will include systems analysis, application software development, web development, and database design. Graduates will also become familiar with all areas of business in order to better accommodate business operations in the areas of software and hardware systems. The intended learning outcomes of this program include understanding the concepts, theories, and practices in the functional areas of business, preparing professional oral and written forms of communication, evaluating and applying information technology in support of management decision making, and working effectively and professionally with diverse colleagues in team situations. Additionally, graduates will evaluate existing information systems, databases, and user interfaces and propose improvements.

General Education

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	
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	
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 one of the following:		
ECON-201	PRINCIPLES OF MACROECONOMICS	3.00
or ECON-202	PRINCIPLES OF MICROECONOMICS	
Select one of the following:		3.00
ANTH-102	CULTURAL ANTHROPOLOGY (*)	
ANTH-120	WORLD PREHISTORY (*)	
ANTH-170	INTRODUCTION TO NATIVE AMERICAN STUDIES (*)	
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/SS-184	DIVERSITY IN ORGANIZATIONS (*)	
HRPT/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-300Z	HAPPINESS
ID-301A	HELLS CANYON INSTITUTE

Total Credits 37.00-42.00

Program Requirements

Code	Title	Credits
Major Courses		
Take all of the following:		
AC-231	PRINCIPLES OF ACCOUNTING I	3.00
AC-232	PRINCIPLES OF ACCOUNTING II	3.00
BUS-220	BUSINESS COMMUNICATIONS	3.00
BUS-221	INTRODUCTION TO COMPUTERS/INFO SYSTEMS	3.00
ECON-201	PRINCIPLES OF MACROECONOMICS (Take both courses, one as core)	3.00

or ECON-202	PRINCIPLES OF MICROECONOMICS	
CS-111	COMPUTER SCIENCE I	4.00
CS-211	COMPUTER SCIENCE II	4.00
CS-226	SQL: STRUCTURED QUERY LANGUAGE	3.00
CS-253	INTRO TO SYSTEMS PROGRAMMING	4.00
WEB-111	FOUNDATIONS OF WEB DEVELOPMENT	3.00
Upper Division Courses		
Take all of the following:		
BUS-301	FINANCIAL MANAGEMENT	3.00
BUS-311	FOUNDATIONS OF MANAGEMENT THEORY	3.00
BUS-321	PRINCIPLES OF MARKETING	3.00
BUS-355	INFORMATION SYSTEMS FOR MANAGERS	3.00
BUS-365	BUSINESS LAW I	3.00
BUS-370	PRODUCTION AND OPERATIONS MANAGEMENT	3.00
CS-311	ALGORITHMS AND DATA STRUCTURES	4.00
CS-445	DATABASES AND KNOWLEDGE MANAGEMENT	3.00
CS-480	CAPSTONE DESIGN PROJECT	4.00
Select one of the following:		
ECON/PSYC/SS-300	STATISTICAL METHODS	3.00
Upper Division Computer Science Electives		
Take 6 credits of 300/400 level CS courses		6.00
General Electives		
Elective Credits		12.00
Total Credits		83.00

Students must earn at least a "C-" in MATH and ECON.

Students must earn at least a "C-" in all major courses. Students must also earn at least a 2.50 grade point average in all business courses combined, including Accounting and Economics.

Sequential Plan of Study

Course	Title	Credits
First Year		
Fall		
ENGL-101	WRITING AND RHETORIC I	3.00
CORE	Humanistic & Artistic Ways of Knowing	3.00
CORE	Mathematical Ways of Knowing	3.00
CORE	Oral Communication	3.00
CORE	Scientific Ways of Knowing	4.00
Credits		16.00
Spring		
ENGL-102	WRITING AND RHETORIC II	3.00
CS-111	COMPUTER SCIENCE I	4.00
WEB-111	FOUNDATIONS OF WEB DEVELOPMENT	3.00
CORE	Scientific Ways of Knowing	3.00
CORE	Global Perspectives	3.00
Credits		16.00
Second Year		
Fall		
AC-231	PRINCIPLES OF ACCOUNTING I	3.00
BUS-220	BUSINESS COMMUNICATIONS	3.00
CORE	Social & Behavioral Ways of Knowing	3.00
ECON-201	PRINCIPLES OF MACROECONOMICS	3.00

Elective	Elective Credits	3.00
	Credits	15.00
Spring		
AC-232	PRINCIPLES OF ACCOUNTING II	3.00
BUS-221	INTRODUCTION TO COMPUTERS/INFO SYSTEMS	3.00
CORE	Humanistic & Artistic Ways of Knowing	3.00
ECON-202	PRINCIPLES OF MICROECONOMICS	3.00
Elective	Elective Credits	3.00
	Credits	15.00
Third Year		
Fall		
BUS-301	FINANCIAL MANAGEMENT	3.00
BUS-311	FOUNDATIONS OF MANAGEMENT THEORY	3.00
BUS-321	PRINCIPLES OF MARKETING	3.00
ECON-300	STATISTICAL METHODS	3.00
Elective	Elective Credits	3.00
	Credits	15.00
Spring		
BUS-355	INFORMATION SYSTEMS FOR MANAGERS	3.00
BUS-365	BUSINESS LAW I	3.00
BUS-370	PRODUCTION AND OPERATIONS MANAGEMENT	3.00
Program Requirement	Select CS course 300/400 Level	3.00
CORE	Integrative Seminar: Ethics & Values	3.00
	Credits	15.00
Fourth Year		
Fall		
CS-211	COMPUTER SCIENCE II	4.00
CS-226	SQL: STRUCTURED QUERY LANGUAGE	3.00
CS-253	INTRO TO SYSTEMS PROGRAMMING	4.00
Elective	Elective Credits	3.00
	Credits	14.00
Spring		
CS-311	ALGORITHMS AND DATA STRUCTURES	4.00
CS-445	DATABASES AND KNOWLEDGE MANAGEMENT	3.00
CS-480	CAPSTONE DESIGN PROJECT	4.00
Program Requirement	Select CS course 300/400 Level	3.00
	Credits	14.00
	Total Credits	120.00

Graduates with a BA/BS in Business Informatics go on to obtain careers in a variety of fields:

- Administration
- Economics
- Entrepreneurship
- Financial Planning
- Global Industries
- Human Resource Management
- Management
- Marketing and Analytics
- Sales
- Statistics