

# BUSINESS INFORMATION SYSTEMS UNDERGRADUATE MAJOR (BA, BS, HBA, HBS)

This major offers the following option(s):

- Dean's Academy (<http://catalog.oregonstate.edu/college-departments/business/business-information-systems-ba-bs-hba-hbs/deans-academy-option/>)
- International Business (<http://catalog.oregonstate.edu/college-departments/business/business-information-systems-ba-bs-hba-hbs/international-business-option/>)

Also available via Ecampus.

The Business Information Systems (BIS) curriculum teaches you to harness technology to help organizations achieve a competitive advantage in today's rapidly changing environment.

You will gain a firm foundation in business administration and learn to analyze, develop and manage information systems. Depending on your skills and interests you might become a business process analyst, IT project manager, application specialist, data modeler, systems analyst, software quality tester, developer or database administrator, or choose from other technology-oriented business careers.

You will not just learn theory. You have plenty of opportunities to build, troubleshoot, refine and manage information systems through targeted exercises in real-world projects. Projects sponsored by outside companies help you learn to bring together people, business processes, and information technology.

Major Code: 183

- Recognize entrepreneurial opportunities for new business ventures and evaluate their potential for business success.
- Understand the implementation issues including financial, legal, operational and administrative procedures involved in starting new business ventures.
- Communicate effectively and professionally in business situations through physical or virtual presence, writing, speaking, listening, and electronic media.
- Demonstrate the ability to lead by using team building skills and facilitating collaborative behaviors in the accomplishment of group goals and objectives.
- Recognize basic concepts and theories related to business ethics and social responsibility.
- Demonstrate knowledge of the ethical behavior appropriate to specific business situations.
- Identify and analyze business problems and opportunities and formulate recommendations for courses of action.
- Use quantitative and qualitative tools and methodologies to support organizational decision making.
- Assess how organizations create value in their global supply chains through the integrated production and distribution of goods, services and information.
- Describe the concept of competitive advantage and how it may be achieved through strategic and tactical methods.

- Analyze the information content of organizational processes.
- Define markets and apply marketing concepts and principles using a customer focus to effectively sell products and services.
- Recognize and appropriately respond to ethical, legal and strategic concerns relating to human resource and organizational management.
- Make basic investment and financing decisions for a business using financial management concepts, and methods.

BIS major requirements are divided into two parts – lower-division and upper-division. The lower-division business core program involves completion of courses within the first and second year (see core curriculum below) that build a solid foundation for the upper-division BIS and business curricula. The lower-division business core course work may be completed at OSU or any accredited college or university that offers equivalent courses transferable to OSU. Students entering OSU on the Corvallis campus as their first college experience are required to participate in Innovation Nation, the College of Business Living-Learning Community (LLC).

Code	Title	Credits
<b>Summary of Requirements</b>		
<i>Lower Division</i>		<b>66</b>
Business Classes (47)		
BIS Classes (4)		
Math, Economics, Writing and Communications (15) <sup>1</sup>		
<i>Upper Division</i>		<b>61</b>
Writing (3) <sup>2</sup>		
Business Classes (30)		
BIS Classes (28)		
University General Education Requirements		<b>40</b>
Unrestricted Electives		<b>13</b>
<b>Total credits for graduation</b>		<b>180</b>

1

11 credits from lower-division course work satisfy University General Education Requirements

2

3 credits for the upper-division business core satisfy University General Education Requirements.

## Business Administration Core Curriculum (95) <sup>1</sup>

The business administration core curriculum provides students with a broad overview of business; basic skills in accounting and quantitative methods; an understanding of the legal and social environment of business; a background in management and organizational behavior, marketing, finance, and operations management; an understanding of the entrepreneurial process; and the opportunity to integrate course work and further develop decision-making skills through the analysis of business cases.

Code	Title	Credits
<b>First Year</b>		
BA 160 or BA 163	B-ENGAGED	3
BA 161	INNOVATION NATION-AWARENESS TO ACTION	3
BA 162	INNOVATION NATION-IDEAS TO REALITY	3
COMM 111 or COMM 114 or COMM 218	*PUBLIC SPEAKING *ARGUMENT AND CRITICAL DISCOURSE *INTERPERSONAL COMMUNICATION	3
MTH 241	*CALCULUS FOR MANAGEMENT AND SOCIAL SCIENCE	4
<b>Second Year <sup>2</sup></b>		

2 Business Information Systems Undergraduate Major (BA, BS, HBA, HBS)

BA 281	PROFESSIONAL DEVELOPMENT	3
BA 282	DRAFTING YOUR CAREER BLUEPRINT	1
BA 283	CREATIVITY, CULTURE, AND THE WORKPLACE	1
BA 284	FOUNDATIONS OF PERSONAL FINANCE I	1
BA 211	FINANCIAL ACCOUNTING	4
BA 213	MANAGERIAL ACCOUNTING	4
BA 223	PRINCIPLES OF MARKETING	4
or BA 390	PRINCIPLES OF MARKETING	4
BA 230	BUSINESS LAW I	4
BA 240	FINANCE	4
or BA 360	INTRODUCTION TO FINANCIAL MANAGEMENT	4
BA 260	INTRODUCTION TO ENTREPRENEURSHIP	4
BA 270	BUSINESS PROCESS MANAGEMENT	4
BA 275	FOUNDATIONS OF STATISTICAL INFERENCE	4
ECON 201	*INTRODUCTION TO MICROECONOMICS	4
ECON 202	*INTRODUCTION TO MACROECONOMICS	4
<b>Third Year</b>		
BA 311	FRAMING YOUR CAREER PLAN	1
BA 312	FOUNDATIONS OF PERSONAL FINANCE II	1
BA 313	THE ORANGE AND BLACK CASE COMPETITION	1
BA 347	INTERNATIONAL BUSINESS	4
BA 352	MANAGING INDIVIDUAL AND TEAM PERFORMANCE	4
BA 354	*MANAGING ETHICS AND CORPORATE SOCIAL RESPONSIBILITY	4
BA 357	OPERATIONS MANAGEMENT	4
BA 375	APPLIED QUANTITATIVE METHODS	4
WR 222	*ENGLISH COMPOSITION	3
or WR 323	*ENGLISH COMPOSITION	
or WR 327	*TECHNICAL WRITING	
<b>Fourth Year</b>		
BA 411	NAVIGATING YOUR WORKPLACE	1
BA 412	FINANCIAL PLANNING I	1
BA 413	FINANCIAL PLANNING II	1
BA 466	INTEGRATIVE STRATEGIC EXPERIENCE	4
Total Credits		95

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Baccalaureate Core Course (BCC)

^  
Writing Intensive Course (WIC)  
1

MTH 241; ECON 201 and ECON 202; WR 222, WR 323 or WR 327, and COMM 111, COMM 114 or COMM 218 meet the university's Baccalaureate Core requirements for mathematics, social processes and institutions, writing II, and speech, respectively. All students must meet the other Baccalaureate Core requirements and the other requirements for baccalaureate degrees. (See Requirements for Baccalaureate Degrees.)

2  
For students who transfer into College of Business business-related programs, the Blueprint transition courses meet the same outcomes as the professional development (Blueprint) course series accounting for the student's academic year when they transfer into the business program

**BIS Curriculum (32)**

Code	Title	Credits
BA 272	BUSINESS APPLICATION DEVELOPMENT	4
BA 370	BUSINESS INFORMATION SYSTEMS OVERVIEW <sup>1</sup>	4
BA 371	BUSINESS DATA MANAGEMENT	4

BA 372	BUSINESS INFORMATION SYSTEMS DESIGN AND DEVELOPMENT	4
BA 479	BUSINESS TELECOMMUNICATIONS AND NETWORKING	4
BA 480	INFORMATION SYSTEMS SECURITY	4
BA 483	BUSINESS ANALYTICS	4
MGMT 364	PROJECT MANAGEMENT	4
Total Credits		32

1  
Also part of the Business Core

**Major Code: 183**

First Year		Credits
Fall		
BA 160	B-ENGAGED	3
BC Science		4
WR 121	*ENGLISH COMPOSITION (Alpha coded)	3
or COMM 111	or *PUBLIC SPEAKING	
or COMM 114	or *ARGUMENT AND CRITICAL DISCOURSE	
or COMM 218	or *INTERPERSONAL COMMUNICATION	
Math through MTH 241		4
Credits		14

Winter		Credits
BA 161	INNOVATION NATION--AWARENESS TO ACTION	3
BC Science		4
WR 121	*ENGLISH COMPOSITION (Alpha coded)	3
or COMM 111	or *PUBLIC SPEAKING	
or COMM 114	or *ARGUMENT AND CRITICAL DISCOURSE	
or COMM 218	or *INTERPERSONAL COMMUNICATION	
Math through MTH 241		4
Credits		14

Spring		Credits
BA 162	INNOVATION NATION--IDEAS TO REALITY	3
BC Science		4
WR 121	*ENGLISH COMPOSITION (Alpha coded. Or Bacc Core: Fitness, Speech, CD, DPD)	3
Bacc Core: Fitness, Speech, CD, DPD Electives		6
Credits		16

Second Year		Credits
Fall		
BA 230	BUSINESS LAW I	4
BA 260	INTRODUCTION TO ENTREPRENEURSHIP	4
BA 275	FOUNDATIONS OF STATISTICAL INFERENCE	4
BA 282	DRAFTING YOUR CAREER BLUEPRINT	1
ECON 201	*INTRODUCTION TO MICROECONOMICS	4
Credits		17

Winter		Credits
BA 211	FINANCIAL ACCOUNTING	4
BA 223	PRINCIPLES OF MARKETING	4
BA 270	BUSINESS PROCESS MANAGEMENT	4
BA 281	PROFESSIONAL DEVELOPMENT	3
BA 283	CREATIVITY, CULTURE, AND THE WORKPLACE	1
Credits		16

Spring		Credits
BA 213	MANAGERIAL ACCOUNTING	4
BA 240	FINANCE	4
BA 284	FOUNDATIONS OF PERSONAL FINANCE I	1
ECON 202	*INTRODUCTION TO MACROECONOMICS	4
WR 222	*ENGLISH COMPOSITION	3
or WR 323	or *ENGLISH COMPOSITION	
or WR 327	or *TECHNICAL WRITING	
Credits		16

**Third Year****Fall**

BA 272	BUSINESS APPLICATION DEVELOPMENT	4
BA 370	BUSINESS INFORMATION SYSTEMS OVERVIEW	4
BA 311	FRAMING YOUR CAREER PLAN	1
BA 347	INTERNATIONAL BUSINESS	4
BA 354	*MANAGING ETHICS AND CORPORATE SOCIAL RESPONSIBILITY	4
Credits		17

**Winter**

BA 312	FOUNDATIONS OF PERSONAL FINANCE II	1
BA 352	MANAGING INDIVIDUAL AND TEAM PERFORMANCE	4
BA 371	BUSINESS DATA MANAGEMENT	4
BA 375	APPLIED QUANTITATIVE METHODS	4
Bacc Core-STC		3
Credits		16

**Spring**

BA 313	THE ORANGE AND BLACK CASE COMPETITION	1
BA 357	OPERATIONS MANAGEMENT	4
BA 372	BUSINESS INFORMATION SYSTEMS DESIGN AND DEVELOPMENT	4
Bacc Core-CGI		3
Credits		12

**Fourth Year****Fall**

BA 411	NAVIGATING YOUR WORKPLACE	1
MGMT 364	PROJECT MANAGEMENT	4
Baccalaureate or unrestricted electives		9
Credits		14

**Winter**

BA 412	FINANCIAL PLANNING I	1
BA 479	BUSINESS TELECOMMUNICATIONS AND NETWORKING	4
BA 480	INFORMATION SYSTEMS SECURITY	4
Baccalaureate or unrestricted electives		5
Credits		14

**Spring**

BA 413	FINANCIAL PLANNING II	1
BA 466	INTEGRATIVE STRATEGIC EXPERIENCE	4
BA 483	BUSINESS ANALYTICS	4
Baccalaureate or unrestricted electives		5
Credits		14
Total Credits		180

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Baccalaureate Core Course (BCC)

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Writing Intensive Course (WIC)