

Program Modification

Program modifications must be submitted by November 2, 2009 for priority catalog review

Date (Change if modified and update the file name with the new date): 5.15.09; rev 12.1.09

Program Area: BUSINESS AND ECONOMICS

Semester /Year First affected: FALL 2010

Instructions: Please use this Program Modification form for changes to existing program requirements, units, outcomes, emphases or options, or for other programmatic concerns. For minor changes (faculty or address changes, additions of approved electives, minor editing for clarity, and other minor updates) use the Program Update form, available at the Curriculum website.

Paste the latest approved version of your entire program in the left AND right boxes below. Make your deletions in the LEFT column by using the **strikeout** feature in Word or underlining, and highlight. Insert new language or other changes to the program on the RIGHT and highlight in **YELLOW** for easy identification. If possible, please align the two columns so that changes appear side-by-side with the original text.

CURRENTLY APPROVED PROGRAM

MVS
Programs Offered

- Bachelor of Arts in Economics
- Bachelor of Science in Business
 - Option in Entrepreneurship
 - Option in Finance
 - Option in Global Business
 - Option in Management
 - Option in Marketing
- Minor in Business Management
- Minor in Economics
- Certificate in Business Administration
- Master of Business Administration (MBA)
- Master of Science in Biotechnology and Master of Business Administration (MBA)

The Bachelor of Arts in Economics focuses on the integration of core economic analysis with relevant interdisciplinary applications. The degree develops analytical tools and communication skills in the context of economic theory and its linkages to a broad array of human decisions. Economics, as a social science, seeks to explain

PROPOSED PROGRAM

MVS
Programs Offered

- Bachelor of Arts in Economics
- Bachelor of Science in Business
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 - Option in Finance
 - Option in Global Business
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- Minor in Business Management
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The Bachelor of Arts in Economics focuses on the integration of core economic analysis with relevant interdisciplinary applications. The degree develops analytical tools and communication skills in the context of economic theory and its linkages to a broad array of human decisions. Economics, as a social science, seeks to explain

and predict the behavior of consumers, producers, managers, government officials and citizens by examining the interactions of incentives and constraints in an environment of ever-present scarcity of time, skills and resources. Microeconomics focuses on the choices of individuals and firms, as well as their role in the marketplace, while macroeconomics aggregates economic activity to the national level to analyze trends and fluctuations in overall economic activity. The Bachelor of Arts in Economics offers flexibility and opportunity through its emphases: general, environmental resource, international, managerial or quantitative economics. ~~These emphases allow students to pursue specific interests and maximize connections to disciplines related to economics.~~

The Bachelor of Science in Business has a liberal arts and interdisciplinary focus. It is built on the three Cs: critical thinking, collaboration (working with others), and communication (oral and written English). Students learn the fundamental principles of accounting, economics, finance, information systems, management, and marketing as applied in a variety of organizational settings. A distinguishing aspect of the Business and Economics Program is the requirement to take courses developed in conjunction with disciplines outside the traditional business curriculum. Examples include courses with Biology, Chemistry, Education, English, Fine Arts, History and Performing Arts.

In addition, a Capstone Course provides students with the opportunity to integrate their knowledge through a Global Strategy Simulation exercise. To foster an integrative and cross disciplinary experience in a relevant business area, students are encouraged to select one of five options: Entrepreneurship, Finance, Global Business, Management, and Marketing. All options draw on upper-division courses from accounting, economics, management and marketing to offer an in-depth perspective into five critical areas of business. We anticipate enhancing the curriculum with additional options choices as the program grows.

Careers

The Martin V. Smith School of Business and Economics programs prepare students to work in a variety of organizations—both public and private. ~~The degrees prepare students for several types of graduate and professional school studies: MBA, MPA, law school.~~

Program Learning Outcomes for Business and Economics

- Prepare students for employment in a variety of public and private organizations.

and predict the behavior of consumers, producers, managers, government officials and citizens by examining the interactions of incentives and constraints in an environment of ever-present scarcity of time, skills and resources. Microeconomics focuses on the choices of individuals and firms, as well as their role in the marketplace, while macroeconomics aggregates economic activity to the national level to analyze trends and fluctuations in overall economic activity. The Bachelor of Arts in Economics offers flexibility and opportunity through its emphases: general, international and managerial. **Economics majors are also encouraged to pursue minors to deepen their connections to other disciplines.**

The Bachelor of Science in Business has a liberal arts and interdisciplinary focus. It is built on the three Cs: critical thinking, collaboration (working with others), and communication (oral and written English). Students learn the fundamental principles of accounting, economics, finance, information systems, management, and marketing as applied in a variety of organizational settings. A distinguishing aspect of the Business and Economics Program is the requirement to take courses developed in conjunction with disciplines outside the traditional business curriculum. Examples include courses with Biology, Chemistry, Education, English, Fine Arts, History and Performing Arts.

In addition, a Capstone Course provides students with the opportunity to integrate their knowledge through a Global Strategy Simulation exercise. To foster an integrative and cross disciplinary experience in a relevant business area, students are encouraged to select one of five options: Entrepreneurship, Finance, Global Business, Management, and Marketing. All options draw on upper-division courses from accounting, economics, management and marketing to offer an in-depth perspective into five critical areas of business. We anticipate enhancing the curriculum with additional options choices as the program grows.

Careers

The Martin V. Smith School of Business and Economics programs prepare students to work in a variety of organizations—both public and private -- **as well as advanced studies in several types of graduate and professional programs: MBA, MPA, law school, MA in Economics.**

Program Learning Outcomes for Business and Economics

- Prepare students for employment in a variety of public and private organizations.

- Prepare students for further study in graduate or professional schools.
- Demonstrate critical thinking skills by identifying, evaluating, synthesizing, and presenting issues related to accounting, economics, finance, information systems, management and marketing.
- Demonstrate communication skills by writing excellent reports and papers and making effective oral presentations in English.
- Demonstrate collaboration skills by working effectively with others in group settings - both inside and outside the classroom.

Faculty

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- Prepare students for further study in graduate or professional schools.
- Demonstrate critical thinking skills by identifying, evaluating, synthesizing, and presenting issues related to accounting, economics, finance, information systems, management and marketing.
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**Bachelor of Arts in
Economics - (120 units)**

Lower Division Required	9-10
Upper Division Required	16
Required Emphasis	15-20
General Education.....	48
American Institutions	6
Free Electives ..	20-26
TOTAL	120 units

Lower Division Requirements

9 - 10 units

ECON 110	Principles of Microeconomics	3
ECON 111	Principles of Macroeconomics	3

Select either:

MATH 140	Calculus for Business Applications	3
or		
MATH 150	Calculus I.....	4

Upper Division Requirements - 16 units

ECON 310	Intermediate Microeconomics	3
ECON 311	Intermediate Macroeconomics.....	3
ECON 488	Applied Managerial Econometrics	4
ECON 499	Capstone.....	3

Select either:

MATH 329	Statistics for Business and Economics..	3
or		
MATH 352	Probability and Statistics	3

Note: ~~Students selecting the Quantitative Economics Emphasis must take MATH 352 Probability and Statistics (3) instead of MATH 329.~~

**Bachelor of Arts in
Economics - (120 units)**

Lower Division Required	9-10
Upper Division Required	19
Required Emphasis.....	12-17
General Education.....	48
American Institutions	6
Free Electives ..	20-26
TOTAL	120 units

Lower Division Requirements

9 - 10 units

ECON 110	Principles of Microeconomics	3
ECON 111	Principles of Macroeconomics	3

Select either:

MATH 140	Calculus for Business Applications	3
or		
MATH 150	Calculus I.....	4

Upper Division Requirements - **19 units**

ECON 310	Intermediate Microeconomics	3
ECON 311	Intermediate Macroeconomics.....	3
ECON 488	Applied Managerial Econometrics	4
ECON 496	Seminar in Economic Analysis	3
ECON 499	Capstone.....	3

Select either:

MATH 329	Statistics for Business and Economics..	3
or		
MATH 352	Probability and Statistics	3

Required Emphasis - 15--20 units

Economics majors are required to complete one of the following five emphases:

1. General Economics Emphasis
(15 units)

Lower Division - 3 units

— ACCT 210 — Financial Accounting3

Upper Division - 12 units

A minimum of four upper division courses in economics (or approved courses outside of economics) as follows:

- A minimum of two courses must be taken from cross-disciplinary courses offered by economics (ECON 330-349 and 430-449).
- A minimum of two economics courses at the 400 level.
- ~~ECON 300, 492, and 497 may not be taken to meet the requirements of the economics major.~~

2. Environmental Resource Economics Emphasis - (15 units)

Lower Division - 3 units

— ESRM 100 — Introduction to Environmental Science
and Resource Management3

Upper Division - 12 units

— ECON 464 — Natural Resource Economics3
— ECON 400+ — Elective Course3

Select either:

— ECON 362 — Environmental Economics3
— ~~or~~

Required Emphasis - 12-17 units

Economics majors are required to complete one of the following **three** emphases:

For all emphases, ECON 492 may not be taken to fulfill the requirements of the economics major. ECON 497 must be taken for 3 units in order to be applied to the major.

1. General Economics Emphasis
(12 units)

Upper Division - 12 units

A minimum of four upper division courses in economics (or approved courses outside of economics) as follows:

- A minimum of two courses must be taken from cross-disciplinary courses offered by economics (ECON 330-349 and 430-449).
- A minimum of two economics courses at the 400 level.

— ESRM 329 Environmental Law and Policy3

Choose one of the following:

— ECON 400+ Elective Course3

— ESRM 410 Environmental Impact Assessment3

— ESRM 462 Coastal and Marine Resource
Management4

— ESRM 463 Water Resources Management4

— ESRM 464 Land Use Planning and Open Space
Management4

— ESRM 482 Issues in Environmental Planning and
Resource Management3

— ESRM 483 Issues in Global Resource Management3

+ ECON 300, 492, and 497 may not be taken to meet the requirements of the economics major.

3. International Economics Emphasis (20 units)

Lower Division - 8 units

A minimum of two courses in the same foreign language or equivalent. [for example, SPAN 101 4 and 102 4]

Note: This requirement represents one additional course beyond the CSUCI foreign language requirement.

Upper Division - ~~12~~ units

A minimum of ~~four~~ upper division courses in economics (or approved courses outside of economics) as follows:

ECON 471 International Trade3

ECON 473 Development Economics3

Choose two of the following:

(one course must be at the 400 level)

— ECON 370 The World Economy3

— ECON 444 Values and Valuables (ANTH)3

— ECON 472 International Macroeconomics3

2. International Economics Emphasis (17 units)

Lower Division - 8 units

A minimum of two courses in the same foreign language or equivalent. [for example, SPAN 101 (4) and 102 (4)] **ASL courses will not be accepted.**

Note: This requirement represents one additional course beyond the CSUCI foreign language requirement.

Upper Division - ~~12~~ **9** units

A minimum of ~~four~~ **three** upper division courses in economics (or approved courses outside of economics) as follows:

ECON 471 International Trade3

ECON 473 Development Economics3

Choose one of the following:

— ECON 370 The World Economy3

— ECON 444 Values and Valuables (ANTH)3

— ECON 472 International Macroeconomics3

ESRM 483 Issues in Global Resource Management 3
 POLS 328 United States Foreign Policy3

~~—ECON 300, 492, and 497 may not be taken to meet the requirements of the economics major.~~

4. Managerial Economics Emphasis (15 units)

Lower Division - 3 units

~~—ACCT 210 Financial Accounting3~~

Upper Division - 12 units

A minimum of four upper division courses in economics (or approved courses outside of economics) as follows:

FIN 300 Business Finance3

Select either:

ECON 320 Money and Banking3

or

ECON 329 Managerial Economics.....3

Select either:

ECON 471 International Trade3

or

ECON 472 International Macroeconomics.....3

- A minimum of one course must be taken from cross-disciplinary courses offered by economics (ECON 330-349 and 430-449).
- ~~• ECON 300, 492, and 497 may not be taken to meet the requirements of the economics major.~~

Note: Students selecting this emphasis must take either ECON 320 or 329, but may not take both courses for credit in the major.

5. Quantitative Economics Emphasis (19 units)

ESRM 483 Issues in Global Resource Management 3
 POLS 328 United States Foreign Policy3

3. Managerial Economics Emphasis (12 units)

Upper Division - 12 units

A minimum of four upper division courses in economics (or approved courses outside of economics) as follows:

FIN 300 Business Finance3

Select either:

ECON 320 Money and Banking3

or

ECON 329 Managerial Economics3

Select either:

ECON 471 International Trade3

or

ECON 472 International Macroeconomics.....3

- A minimum of one course must be taken from cross-disciplinary courses offered by economics (ECON 330-349 and 430-449).

Note: Students selecting this emphasis must take either ECON 320 or 329, but may not take both courses for credit in the major.

Lower Division - 10 units

MATH 151 Calculus II	4
MATH 240 Linear Algebra	3
MATH 250 Calculus III	3

Upper Division - 9 units

A minimum of three upper division courses in economics (or approved courses outside of economics) as follows:

- At least one course must be taken from cross-disciplinary courses offered by economics (ECON 330-349 and 430-449).
- A minimum of two economics courses at the 400 level are required. MATH 429 may be taken to meet this requirement.
- ECON 300, 492, and 497 may not be taken to meet the requirements of the economics major.

Note: To meet the calculus and statistics requirement, students selecting this emphasis must take MATH 150 and MATH 352.

Required Supporting and Other GE Courses 75 - 81 units

General Education.....	48
American Institutions	6
Free Electives ..	21-27

**Bachelor of Science Degree in Business
- (120 units)**

Lower Division Requirements

21 - 22 units

ACCT 210	Financial Accounting	3
ACCT 220	Managerial Accounting	3
BUS 110	Business Law	3
COMP 101	Computer Literacy	3
ECON 110	Principles of Microeconomics	3
ECON 111	Principles of Macroeconomics	3

Select either:

Required Supporting and Other GE Courses 75 - 81 units

General Education.....	48
American Institutions	6
Free Electives..	21-27

**Bachelor of Science Degree in Business
- (120 units)**

Lower Division Requirements

21 - 22 units

ACCT 210	Financial Accounting	3
ACCT 220	Managerial Accounting	3
BUS 110	Business Law	3
COMP 101	Computer Literacy	3
ECON 110	Principles of Microeconomics	3
ECON 111	Principles of Macroeconomics	3

Select either:

MATH 140 Calculus for Business Applications3
or
MATH 150 Calculus I4

Upper Division Required Major Courses 36 units

ACCT 300 Applied Managerial Accounting3
BUS 320 Business Operations3

Select either:

ECON 310 Intermediate Microeconomics3
or
ECON 329 Managerial Economics3
(choose this course if pursuing the Marketing Option)

Select either:

ECON 311 Intermediate Macroeconomics3
or
ECON 320 Money and Banking3

ENGL 483 Technical Visual Communication3
FIN 300 Business Finance3
MATH 329 Statistics for Business and Economics .3
MGT 307 Management of Organizations3
MGT 326 Scientific and Professional Ethics (BIOL) 3
MIS 310 Management Information Systems3
MKT 310 Principles of Marketing3
BUS 499 Capstone3

Upper Division Interdisciplinary Major Courses - 6 units

BUS 331 Biotechnology in the Twenty-First Century (BIOL)3
BUS 334 The Business of Art (ART)3
BUS 335 Business and the Performing Arts (PA) 3
BUS 340 Business and Economics in American Literature (ECON/ENGL)3
BUS 341 Drug Discovery and Development (CHEM/ECON)3
(may double count in the Entrepreneurship Option)

MATH 140 Calculus for Business Applications3
or
MATH 150 Calculus I4

Upper Division Required Major Courses 36 units

ACCT 300 Applied Managerial Accounting3
BUS 320 Business Operations3

Select either:

ECON 310 Intermediate Microeconomics3
or
ECON 329 Managerial Economics3
(choose this course if pursuing the Marketing Option)

Select either:

ECON 311 Intermediate Macroeconomics3
or
ECON 320 Money and Banking3

ENGL 483 Technical Visual Communication3
FIN 300 Business Finance3
MATH 329 Statistics for Business and Economics .3
MGT 307 Management of Organizations3
MGT 326 Scientific and Professional Ethics (BIOL) 3
MIS 310 Management Information Systems3
MKT 310 Principles of Marketing3
BUS 499 Capstone3

Upper Division Interdisciplinary Major Courses - 6 units

Any BUS 330-349 or 430-449.

BUS	342	The Zoo: Conservation, Education and Recreation (BIOL/ECON/EDUC) .....3
BUS	344	The Library: Collections, Services and Instruction (ECON/EDUC/LIB) .....3
BUS	349	History of Business and Economics in North America (ECON/HIST) .....3
BUS	434	The Museum: Culture, Business and Education (ART/EDUC) .....3

Option - 15 units

Students may select one of the following options:

To complete the elective requirements indicated below, choose any upper division course from ACCT, BUS, ECON, FIN, MGT, MKT or MIS not already used in the major. (Not applicable to the Management Option)

1. Entrepreneurship Option

BUS	341	Drug Discovery and Development (CHEM/ECON).....3
MGT	325	Entrepreneurial Management .....3

Select three of the following:

ECON	411	Economics of Entrepreneurship .....3
MGT	424	Organizational Behavior (PSY) .....3
MKT	411	New Product Development and Management .....3
Electives		.....3

2. Finance Option

FIN	410	Financial Markets and Institutions .....3
FIN	411	Corporate Finance Management .....3
FIN	412	International Financial Management ....3
FIN	413	Investment Analysis .....3
Electives		.....3

3. Global Business Option

MGT	410	Management of International Business.3
MKT	410	International Marketing Management....3

Select three from the following:

ACCT	410	International Accounting3
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BUS	342	The Zoo: Conservation, Education and Recreation (BIOL/ECON/EDUC)3
BUS	344	The Library: Collections, Services and Instruction (ECON/EDUC/LIB)3
BUS	349	History of Business and Economics in North America (ECON/HIST) .....3
BUS	434	The Museum: Culture, Business and Education (ART/EDUC) .....3

Option - 15 units

Students may select one of the following options:

To complete the elective requirements indicated below, choose any upper division course from ACCT, BUS, ECON, FIN, MGT, MKT or MIS not already used in the major. (Not applicable to the Management Option)

1. Entrepreneurship Option

BUS	341	Drug Discovery and Development (CHEM/ECON) .....3
MGT	325	Entrepreneurial Management .....3

Select three of the following:

ECON	411	Economics of Entrepreneurship .....3
MGT	424	Organizational Behavior (PSY) .....3
MKT	411	New Product Development and Management .....3
Electives		.....3

2. Finance Option

FIN	410	Financial Markets and Institutions .....3
FIN	411	Corporate Finance Management .....3
FIN	412	International Financial Management ....3
FIN	413	Investment Analysis .....3
Electives		.....3

3. Global Business Option

MGT	410	Management of International Business.3
MKT	410	International Marketing Management....3

Select three from the following:

ACCT	410	International Accounting3
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ECON 370	The World Economy	3
ECON 471	International Trade	3
ECON 472	International Macroeconomics	3
FIN 412	International Finance Management	3
MGT 471	Project Management	3
Electives		3

4. *Management Option*

MGT 410	Management of International Business	3
MGT 421	Human Resource Management	3
MGT 424	Organizational Behavior (PSY)	3

Select two from the following:

MGT 325	Entrepreneurial Management	3
MGT 429	Program Management	3
MGT 471	Project Management	3
MGT 490	Special Topics	3
MGT 492	Service Learning/Internship	1-3
MGT 497	Directed Study	1-3

5. *Marketing Option*

MKT 311	Consumer Behavior	3
MKT 409	Marketing Research	3
MKT 410	International Marketing Management	3
MKT 411	New Product Development and Management	3
Electives		3

Required Supporting and Other
GE Courses - 56 - 57 units

Upper Division Interdisciplinary course outside Business Major	3
American Institutions	6

Other GE Courses
in Categories A-E .39
Free Electives..

Minor in Business
Management - (21 units)

ECON 370	The World Economy	3
ECON 471	International Trade	3
ECON 472	International Macroeconomics	3
FIN 412	International Finance Management	3
MGT 471	Project Management	3
Electives		3

4. *Management Option*

MGT 410	Management of International Business	3
MGT 421	Human Resource Management	3
MGT 424	Organizational Behavior (PSY)	3

Select two from the following:

MGT 325	Entrepreneurial Management	3
MGT 429	Program Management	3
MGT 471	Project Management	3
MGT 490	Special Topics	3
MGT 492	Service Learning/Internship	1-3
MGT 497	Directed Study	1-3

5. *Marketing Option*

MKT 311	Consumer Behavior	3
MKT 409	Marketing Research	3
MKT 410	International Marketing Management	3
MKT 411	New Product Development and Management	3
Electives		3

Required Supporting and Other
GE Courses - 56 - 57 units

Upper Division Interdisciplinary course outside Business Major	3
American Institutions	6

Other GE Courses
in Categories A-E .39
Free Electives..

Minor in Business
Management - (21 units)

The minor in Business Management offers students a foundation in principles related to managing people. The minor stresses critical thinking and the application of management concepts in a variety of organizational environments. The minor provides non-business majors with a basic understanding of management issues.

Lower Division Requirements - 9 units

ACCT	210	Financial Accounting	.....3
BUS	110	Business Law	.....3

Select one of the following:

ECON	110	Principles of Microeconomics	.....3
or			
ECON	111	Principles of Macroeconomics	.....3
or			
ECON	300	Fundamentals of Economics	.....3

Upper Division Requirements - 12 units

Choose four from the following:

BUS	320	Business Operations	.....3
BUS	424	Business, Government and Society	.....3
MATH	329	Statistics for Business and Economics	.....3
MGT	307	Management of Organizations	.....3
MGT	325	Entrepreneurial Management	.....3
MGT	326	Scientific and Professional Ethics (BIOL)	.....3
MGT	410	Management of International Business	.....3
MGT	421	Human Resource Management	.....3
MKT	310	Principles of Marketing	.....3
MKT	311	Consumer Behavior	.....3

Minor in Economics - (20 - 22 units)

The economics minor familiarizes students with the tools of economics analysis, and applies these tools to economic decisions made by individuals in their personal and professional lives, and to the workings of national economies and the world

The minor in Business Management offers students a foundation in principles related to managing people. The minor stresses critical thinking and the application of management concepts in a variety of organizational environments. The minor provides non-business majors with a basic understanding of management issues.

Lower Division Requirements - 9 units

ACCT	210	Financial Accounting	.....3
BUS	110	Business Law	.....3

Select one of the following:

ECON	110	Principles of Microeconomics	.....3
or			
ECON	111	Principles of Macroeconomics	.....3

Upper Division Requirements - 12 units

Choose four from the following:

BUS	320	Business Operations	.....3
BUS	424	Business, Government and Society	.....3
MATH	329	Statistics for Business and Economics	.....3
MGT	307	Management of Organizations	.....3
MGT	325	Entrepreneurial Management	.....3
MGT	326	Scientific and Professional Ethics (BIOL)	.....3
MGT	410	Management of International Business	.....3
MGT	421	Human Resource Management	.....3
MKT	310	Principles of Marketing	.....3
MKT	311	Consumer Behavior	.....3

Minor in Economics - (20 - 22 units)

The economics minor familiarizes students with the tools of economics analysis, and applies these tools to economic decisions made by individuals in their personal and professional lives, and to the workings of national economies and the world economy.

economy.

Careers

The economics minor is suitable for students desiring careers in all fields of business, education, journalism, law and government.

Lower Division Requirements

6 - 10 units

Select either:

ECON 110 Principles of Microeconomics3

and

ECON 111 Principles of Macroeconomics3

or

ECON 300 Fundamentals of Economics3

Note: If ECON 300 is taken in place of ECON 110 and 111, an additional 3 unit course must be taken from upper division electives.

Select either:

MATH 140 Calculus for Business Applications.....3

or

MATH 150 Calculus I4

Upper Division Requirements - 6 units

Select either:

ECON 310 Intermediate Microeconomics3

or

ECON 329 Managerial Economics3

Select either:

ECON 311 Intermediate Macroeconomics3

or

ECON 320 Money and Banking3

Electives - 5-9 units

Additional upper division courses in economics.
(Minimum total of 21 units)

Careers

The economics minor is suitable for students desiring careers in all fields of business, education, journalism, law and government.

Lower Division Requirements

6 - 10 units

Select either:

ECON 110 Principles of Microeconomics3

and

ECON 111 Principles of Macroeconomics3

Note: If ECON 300 is taken in place of ECON 110 and 111, an additional 3 unit course must be taken from upper division electives.

Select either:

MATH 140 Calculus for Business Applications.....3

or

MATH 150 Calculus I4

Upper Division Requirements - 6 units

Select either:

ECON 310 Intermediate Microeconomics3

or

ECON 329 Managerial Economics3

Select either:

ECON 311 Intermediate Macroeconomics3

or

ECON 320 Money and Banking3

Electives - 5-9 units

Additional upper division courses in economics.
(Minimum total of 21 units)

For Business Majors Only

Courses used to fulfill Upper Division Interdisciplinary and Emphasis requirements

For Business Majors Only

Courses used to fulfill Upper Division Interdisciplinary and Emphasis requirements may not be used (double counted) for ECON minor electives.

Post-Baccalaureate Certificate in Business Administration

The Certificate in Business Administration provides basic business skills to post baccalaureate and graduate students. The certificate program is suitable for: (i) Business professionals who wish to update their knowledge, skills, and abilities; (ii) Managers in science, technology, or engineering who seek a business orientation; (iii) Individuals making a transition into a managerial position; (iv) Individuals returning to the workforce, or considering a career change; (v) Those without an undergraduate degree in business who are considering an MBA. The program provides the essentials of business administration to students with limited or no formal business education. The coursework completed under this Certificate fulfills the prerequisite course requirements for the MBA Program. Courses offered under the Certificate may be delivered partially via distance education and consist of four 3 unit courses and one 4 unit course for a total of 16 units.

Prerequisite

A Bachelor's degree in any field or consent of advisor.

Requirements for Certificate - 16 units

BUS 500	Economics for Managers	3
BUS 502	Quantitative Methods for Decision-Making	3
BUS 504	Introduction to Accounting and Finance	4
BUS 506	Principles of Management and Marketing	3
BUS 508	Business Ethics and Law	3

Offered through California State University Channel Islands Extended University

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<div data-bbox="86 277 726 435" style="border: 1px solid black; padding: 10px; text-align: center;"> Master of Business Administration (MBA) </div>	<div data-bbox="1005 215 1648 375" style="border: 1px solid black; padding: 10px; text-align: center;"> Master of Business Administration (MBA) </div>
<p>The MBA Program is designed to develop business leaders capable of working in an increasingly multicultural and global environment. Key elements include:</p> <ul style="list-style-type: none"> • Learning Community/Cohort Experience • Evening Classes • Online Foundations of Business courses • Focus on International Business and Entrepreneurial Innovation • International Study Tour Option • Real-World Orientation <p>The MBA Curriculum</p> <p>The curriculum is comprised of three parts: Foundations of Business (0-16 semester units), Required Core (24 semester units), and Electives (9 semester units) for a total of 33-49 semester units.</p> <p>Foundations of Business</p> <p>The Foundations of Business courses provide the theoretical concepts and quantitative tools that form the basis for making business decisions. These courses are designed to provide students with a general understanding of accounting, economics, finance, ethics and law, statistics, management, and marketing. Some or all of these courses may be waived depending upon the applicant's undergraduate degree and coursework. Students with a bachelor's degree in business from CSUCI or from other accredited institutions within the last 10 years will have met the Foundations of Business requirements. Individual business courses taken as an undergraduate student at CSUCI or another institution may also meet specific Foundations requirements. Upon acceptance to the program, a student's transcripts will be reviewed for completion of the necessary coursework for mastery of the Foundations of Business. A grade of "C" or better is required to meet the criteria.</p> <p>Required Core</p>	<p>The MBA Program is designed to develop business leaders capable of working in an increasingly multicultural and global environment. Key elements include:</p> <ul style="list-style-type: none"> • Learning Community/Cohort Experience • Evening Classes • Online Foundations of Business courses • Focus on International Business and Entrepreneurial Innovation • International Study Tour Option • Real-World Orientation <p>The MBA Curriculum</p> <p>The curriculum is comprised of three parts: Foundations of Business (0-16 semester units), Required Core (24 semester units), and Electives (9 semester units) for a total of 33-49 semester units.</p> <p>Foundations of Business</p> <p>The Foundations of Business courses provide the theoretical concepts and quantitative tools that form the basis for making business decisions. These courses are designed to provide students with a general understanding of accounting, economics, finance, ethics and law, statistics, management, and marketing. Some or all of these courses may be waived depending upon the applicant's undergraduate degree and coursework. Students with a bachelor's degree in business from CSUCI or from other accredited institutions within the last 10 years will have met the Foundations of Business requirements. Individual business courses taken as an undergraduate student at CSUCI or another institution may also meet specific Foundations requirements. Upon acceptance to the program, a student's transcripts will be reviewed for completion of the necessary coursework for mastery of the Foundations of Business. A grade of "C" or better is required to meet the criteria.</p> <p>Required Core</p> <p>The core MBA courses are presented in a cross-functional, integrative manner that provides a comprehensive view of the structure of business operations. Students</p>

The core MBA courses are presented in a cross-functional, integrative manner that provides a comprehensive view of the structure of business operations. Students learn to analyze business from a variety of perspectives. The seven core courses provide the skills and competencies students will need to be effective business leaders in the 21st century. A distinguishing aspect of the MBA Program is its focus on entrepreneurship and global business awareness. The Capstone Course (BUS 570) provides students with the opportunity to integrate their knowledge through an International Business Simulation exercise.

Electives

With advisor approval, students will choose nine additional units of upper-division or graduate level courses.

Faculty

William P. Cordeiro, Ph.D.

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 Fax: (805) 437-8951
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Requirements for Master of Business Administration - 33 - 49 units

Foundations of Business - 0 - 16 units

BUS 500 Economics for Managers3

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Requirements for Master of Business Administration - 33 - 49 units

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BUS 500 Economics for Managers3
 BUS 502 Quantitative Methods for
 Decision-Making3

BUS	502	Quantitative Methods for Decision-Making.....	3
BUS	504	Introduction to Accounting and Finance	4
BUS	506	Principles of Management and Marketing	3
BUS	508	Business Ethics and Law	3

Required Core - 24 units

BUS	510	High Performance Management	3
BUS	520	Strategy and Leadership	3
BUS	530	Managing Business Operations	3
BUS	540	Financial Reporting and Analysis	3
BUS	550	The Contemporary Firm	3
BUS	560	The Entrepreneurial Manager	3
BUS	570	Competing in a Global Environment	6

Electives - 9 units

With advisor approval, nine units of upper-division or graduate-level courses.

Graduate Writing

Assessment Requirement

Writing proficiency prior to the awarding of the degree is demonstrated by successful completion of BUS 520 Strategy and Leadership with a grade of B or higher.

Master of Science Degree in Biotechnology and Master of Business Administration - (71 units*)

*Assumes that at least one set of the Foundation Courses listed below has been completed in a business or science undergraduate degree program.

Program Description

BUS	504	Introduction to Accounting and Finance	4
BUS	506	Principles of Management and Marketing	3
BUS	508	Business Ethics and Law	3

Required Core - 24 units

BUS	510	High Performance Management	3
BUS	520	Strategy and Leadership	3
BUS	530	Managing Business Operations	3
BUS	540	Financial Reporting and Analysis	3
BUS	550	The Contemporary Firm	3
BUS	560	The Entrepreneurial Manager	3
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Program Description

The Master of Science in Biotechnology and Master of Business Administration is a dual professional degree program designed to meet the needs of biotechnology

The Master of Science in Biotechnology and Master of Business Administration is a dual professional degree program designed to meet the needs of biotechnology industry and related public and private agencies and organizations. The program combines rigorous scientific training in biotechnology with graduate course work and experience in business management and regulatory affairs. The program includes the foundation courses for the dual degree program, a set of graduate level core courses in both biotechnology and business, and several elective courses.

Our approach includes team projects drawn from biotechnology industries to focus on real-world problems and applications of biological sciences and business. We approach interpersonal skills and problem-solving skills from multiple perspectives.

Admission Requirements

1. Applicants must have a BA/BS degree in Biology, Chemistry, Biochemistry, or Business/ Economics related discipline. Alternatively, applicants with a BA/BS degree in any field and equivalent work experiences in one of the above fields may be admitted and must fulfill the foundation course requirements before taking the core courses and electives in the degree program.
2. Applicants seeking admission to the dual degree program must be officially accepted into CSUCI as graduate students.
3. Applicants must declare themselves as graduate students in the dual degree program.
4. Applicants will be evaluated by the program admissions committee which will consider the applicants in the context of the total applicant pool using our general admission standards. The following materials are required for our evaluation and admission process:
 - Applicants must submit their transcript(s) from their undergraduate institution(s) and Graduate Record Examinations (GRE) General Test scores.
 - Applicants who have received their undergraduate degrees from a university where English is not the language of instruction, or have studied fewer than two years at a university where instruction is in English, must submit their Test of English as a Foreign Language (TOEFL) scores.
 - Applicants must submit a one page "Statement of Purpose" and two letters of recommendations from people able to judge the applicant's capacity for both academic and professional success.

Degree Requirements

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Degree Requirements

Required Foundation Courses - 16 units

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1. *Required Foundation Courses in Biology and Chemistry for students without a BS in Biology or Chemistry*
16 units

CHEM	110	Chemistry of Life	4
BIOL	201	Principles of Cell and Molecular Biology	4
BIOL	300	Cell Biology	4
BIOL	400	Molecular Biology	4

2. *Required Foundation Courses in Business Economics for students without a BS/BA in Business or Economics or a related discipline*
16 units

BUS	500	Economics for Managers	3
BUS	502	Quantitative Methods for Decision-Making	3
BUS	504	Introduction to Accounting and Finance	4
BUS	506	Principles of Management and Marketing	3
BUS	508	Business Ethics and Law	3

Core Courses

Common Required Courses in the Dual Degree Program - 9 units

MGT	471	Project Management	3
BIOL	610	Capstone Project for MS/MBA Dual Degree (BUS)	6

Required Courses in the Master of Science in Biotechnology - 22 units

1. *Required Core Courses - 15 units*

BINF	500	DNA & Protein Sequence Analysis	3
BIOL	502	Techniques in Genomics/Proteomics ...	2
BIOL	503	Biotechnology Law and Regulation	3
BIOL	504	Molecular Cell Biology	3
BIOL	510	Tissue Culture Techniques and Stem Cell Technology	3

1. *Required Foundation Courses in Biology and Chemistry for students without a BS in Biology or Chemistry*
16 units

CHEM	110	Chemistry of Life	4
BIOL	201	Principles of Cell and Molecular Biology	4
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BIOL	504	Molecular Cell Biology	3
BIOL	510	Tissue Culture Techniques and Stem Cell Technology	3
BIOL	601	Seminar in Biotechnology and	

BIOL 601 Seminar in Biotechnology and Bioinformatics1

2. Elective Courses - 7 units

A minimum of seven units from the following courses:

BIOL 505 Molecular Structure4
 BIOL 507 Pharmacogenomics and Pharmacoproteomics3
 BIOL 508 Advanced Immunology4
 BIOL 509 Plant Biotechnology4

Required Courses in the Master of Business Administration - 24 units

1. Required Core Courses - 18 units

BUS 510 High Performance Management3
 BUS 520 Strategy and Leadership3
 BUS 530 Managing Business Operations3
 BUS 540 Financial Reporting and Analysis3
 BUS 550 The Contemporary Firm3
 BUS 560 The Entrepreneurial Manager3

2. Elective Courses - 6 units

Double-counted courses:

BINF 500 DNA and Protein Sequence Analysis ...3
 BIOL 503 Biotechnology Law and Regulation3

Graduate Writing

Assessment Requirement

Writing proficiency prior to the awarding of the degree is demonstrated by successful completion of BIOL 502 Techniques in Genomics and Proteomics for MS/MBA Dual Degree with a grade of B or higher.

Bioinformatics 1

2. Elective Courses - 7 units

A minimum of seven units from the following courses:

BIOL 505 Molecular Structure4
 BIOL 507 Pharmacogenomics and Pharmacoproteomics3
 BIOL 508 Advanced Immunology4
 BIOL 509 Plant Biotechnology4

Required Courses in the Master of Business Administration - 24 units

1. Required Core Courses - 18 units

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 BUS 520 Strategy and Leadership3
 BUS 530 Managing Business Operations3
 BUS 540 Financial Reporting and Analysis3
 BUS 550 The Contemporary Firm3
 BUS 560 The Entrepreneurial Manager3

2. Elective Courses - 6 units

Double-counted courses:

BINF 500 DNA and Protein Sequence Analysis ...3
 BIOL 503 Biotechnology Law and Regulation3

Graduate Writing

Assessment Requirement

Writing proficiency prior to the awarding of the degree is demonstrated by successful completion of BIOL 502 Techniques in Genomics and Proteomics for MS/MBA Dual Degree with a grade of B or higher.

SUMMARY OF CHANGES

1. Drop Environmental Resource Economics and Quantitative Economics emphases.
2. Add ECON 498 Seminar in Economic Analysis (3) as a required core course in the major.
3. Drop 3 units from each of the 3 remaining emphases to make the addition of ECON 498 unit-neutral to the major.
4. Allow ECON 497 Directed Study for credit in the major.
5. Specify that American Sign Language will not be accepted to fulfill the language requirement in the International Economics emphasis.
6. In the Business major, allow any Business UDIGE course to count toward the UDIGE requirement in the major.

JUSTIFICATION

1. Student enrollment in these emphases is extremely low. Further, the requirements of these emphases are only marginally different from the requirements for minors in ESRM and Mathematics, respectively.
2. Seeking to add rigor to the core of the major, ECON 498 Seminar in Economic Analysis will be a practical and applied course where students learn to apply solid economic analysis to real and current problems. This will complement ECON 499 Capstone which has a slightly more theoretical focus, emphasizing the integration of economic theory with econometric technique.
3. Wanting to ensure that economics students are not deterred from seeking minors and deepening their interdisciplinary understanding, the removal of three units from each emphasis serves to incorporate ECON 498 to the curriculum in a unit-neutral fashion.
4. ECON 497 Directed Study, despite being a rigorous course with close interaction with the faculty mentor, may not currently be counted toward the degree requirements of the economics major.
5. The intention of the International Emphasis is to strengthen students' connections to foreign economies and cultures. American Sign Language, in its limited regional focus, does not meet the intention of the language requirement.
6. Previous catalogs have listed UDIGE courses offered by Business, specifying that students must take 6 units. However, this caused confusion: as new courses were added in each catalog year, the direct implication was that new UDIGE courses could not count toward the degree requirements for students under earlier catalogs. As this is clearly not the intention, the blanket statement replaces the course listing.

Proposer of Program Modification

Date

Program:

Program Chair		
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Signature

Date

Curriculum Chair		
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Signature

Date

Dean of Faculty		
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Signature

Date