California State University Channel Islands

Program Modification

Program modifications must be submitted by November 3, 2008 for priority catalog review

Date (Change if modified and update the file name with the new date): 2008 2009 CATALOG COPY; rev 2.2.09; rev 2.17.09

Program Area: BUSINESS AND ECONOMICS Semester / Year First effected: Fall 2009

Instructions: Please use this <u>Program Modification</u> 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 GREY for easy identification. If possible, please align the two columns so that changes appear side-by-side with the original text.

CURRENTLY APPROVED PROGRAM

PROPOSED PROGRAM

MARTIN V. SMITH SCHOOL OF BUSINESS AND ECONOMICS

MARTIN V. SMITH SCHOOL OF BUSINESS AND ECONOMICS

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

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 Business and Economics Program 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, and History.

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.

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 program 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.

Careers

The Martin V. Smith School of Business and Economics program prepares-students to work in a variety of organizations—both public and private. The Bachelor of Science degree prepares students for several types of graduate and professional school studies: MBA, MPA, law school.

- 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 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.
- 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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http://business.csuci.edu

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http://econ.csuci.edu

Requirements for the Bachelor of Arts in Economics (120 units)

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

Required Emphasis (15-20 units)

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

http://econ.csuci.edu

Requirements for the Bachelor of Arts in Economics (120 units)

Lower Division Required	9-10 units
Upper Division Required	16 units
Required Emphasis	
General Education	48 units
American Institutions	6 units
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TOTAL	120 units

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ECON 110 Principles of Microeconomics (3)

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Select either:

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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.

Required Emphasis (15-20 units)

Economics majors are required to complete <u>one</u> of the following five emphases:

1. General Economics Emphasis

1. General Economics Emphasis

Lower Division (3 units)

ACCT 210 Financial Accounting (3)

Upper Division (12 units)

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

- At least 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 are required.
- 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 Management (3)

Upper Division (12 units)

ECON 464 Natural Resource Economics (3)

ECON 400+ Elective Course (3)

Select either:

ECON 362 Environmental Economics (3)

or

ESRM 329 Environmental Law and Policy (3)

Choose one of the following:

ECON	400+	Elective Course (3)
ECDM	410	E

ESRM 410 Environmental Impact Assessment (3)

ESRM 462 Coastal and Marine Management (4)

ESRM 463 Water Resources Management (4)

ESRM 464 Land Use Planning and Open Space Management (4)

ESRM 482 Issues in Environmental Planning and Resource Management (3)

ESRM 483 Issues in Global Resource Management (3)

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

Lower Division (3 units)

ACCT 210 Financial Accounting (3)

Upper Division (12 units)

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

- A minimum of <u>two</u> 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.
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Upper Division (12 units)

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ECON 400+ Elective Course (3)

Select either:

ECON 362 Environmental Economics (3)

or

ESRM 329 Environmental Law and Policy (3)

Choose one of the following:

ECON	400+	Elective Course (3)
ESRM	410	Environmental Impact Assessment (3)

ESRM 462 Coastal and Marine Resource Management (4)

ESRM 463 Water Resources Management (4)

ESRM 464 Land Use Planning and Open Space Management (4)

ESRM 482 Issues in Environmental Planning and Resource Management (3)

ESRM 483 Issues in Global Resource Management (3)

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

3. International Economics Emphasis (20 units)

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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 <u>four</u> upper division courses in economics (or approved courses outside of economics) as follows:

ECON 471 International Trade (3) ECON 473 Development Economics (3)

Choose two of the following: (one course must be at the 400 level)

ECON 370 The World Economy (3)

ECON 444 Values and Valuables (ANTH) (3)

ECON 472 International Macroeconomics (3)

ESRM 483 Issues in Global Resource Management (3)

POLS 328 United States Foreign Policy (3)

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 Accounting (3)

Upper Division (12 units)

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

FIN 300 Business Finance (3)

Select either:

ECON 320 Money and Banking (3)

or

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 <u>four</u> upper division courses in economics (or approved courses outside of economics) as follows:

ECON 471 International Trade (3) ECON 473 Development Economics (3)

Choose <u>two</u> of the following: (one course must be at the 400 level)

ECON 370 The World Economy (3) ECON 444 Values and Valuables (ANTH) (3)

ECON 472 International Macroeconomics (3) ESRM 483 Issues in Global Resource Management (3)

POLS 328 United States Foreign Policy (3)

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 Accounting (3)

Upper Division (12 units)

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

FIN 300 Business Finance (3)

Select either:

ECON 320 Money and Banking (3)

or

ECON 329 Managerial Economics (3)

Select either:

ECON 471 International Trade (3)

ECON 329 Managerial Economics (3)

Select either:

ECON 471 International Trade (3)

or

ECON 472 International Macroeconomics (3)

- <u>At least one</u> 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)

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 <u>two</u> 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)

to dome a support ting time a more and a compact (i.e. a	
General Education	
American Institutions6	
Free Electives 21-27	

or

ECON 472 International Macroeconomics (3)

• A minimum of <u>one</u> 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)

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 <u>one</u> 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

Requirements for the Bachelor of Science Degree in

Requirements for the Bachelor of Science Degree in (120 units) **Business** (120 units) Lower Division Requirements (21-22 units) Financial Accounting (3) ACCT 210 ACCT Managerial Accounting (3) 220 Lower Division Requirements (21-22 units) Business Law (3) BUS 110 Financial Accounting (3) ACCT 210 COMP 101 Computer Literacy (3) ACCT 220 Managerial Accounting (3) ECON 110 Principles of Microeconomics (3) BUS 110 Business Law (3) ECON 111 Principles of Macroeconomics (3) **COMP** 101 Computer Literacy (3) Select either: Principles of Microeconomics (3) ECON 110 MATH 140 Calculus for Business Applications (3) ECON 111 Principles of Macroeconomics (3) Select either: MATH 150 Calculus I (4) MATH 140 Calculus for Business Applications (3) Upper Division Required Major Courses (36 units) MATH 150 Calculus I (4) Applied Managerial Accounting (3) ACCT 300 BUS 320 Business Operations (3) Upper Division Required Major Courses (36 units) Select either: Applied Managerial Accounting (3) ACCT 300 ECON 310 Intermediate Microeconomics (3) BUS 320 Business Operations (3) or Select either: ECON 329 Managerial Economics (3) (choose this course if pursuing the ECON 310 Intermediate Microeconomics (3) Marketing Option) or Select either: ECON 329 Managerial Economics (3) (choose this course if pursuing the ECON 311 Intermediate Macroeconomics (3) Marketing Option) or Select either: **ECON** 320 Money and Banking (3) ECON 311 Intermediate Macroeconomics (3) or **ENGL** 483 Technical Visual Communication (3) ECON 320 Money and Banking (3) FIN 300 Business Finance (3) Statistics for Business and Economics (3) MATH 329 **ENGL** 483 Technical Visual Communication (3) Management of Organizations (3) MGT 307 FIN 300 Business Finance (3) MGT Scientific and Professional Ethics (BIOL) (3) 326 MATH 329 Statistics for Business and Economics (3) Management Information Systems (3) MIS 310 Management of Organizations (3) MGT 307 **MKT** 310 Principles of Marketing (3) MGT 326 Scientific and Professional Ethics (BIOL) (3) **BUS** 499 Capstone (3) MIS 310 Management Information Systems (3) Principles of Marketing (3) **MKT** 310 Upper Division Interdisciplinary Major Courses (6 units)

Business

BUS	499	Capstone (3)	BUS	331	Biotechnology in the Twenty-First Century (BIOL) (3)
			BUS	334	The Business of Art (ART) (3)
Upper D	ivision	Interdisciplinary Major Courses (6 units)	BUS	335	Business and the Performing Arts (PA) (3)
BUS	331	Biotechnology in the Twenty-First Century (BIOL) (3)	BUS	340	Business and Economics in American Literature (ECON/ENGL) (3)
BUS	334	The Business of Art (ART) (3)	BUS	341	Drug Discovery and Development (CHEM/ECON) (3) (may double
BUS	335	Business and the Performing Arts (PA) (3)			<mark>reneurship</mark> Option)
BUS	340	Business and Economics in American Literature (ECON/ENGL) (3)	BUS	342	The Zoo: Conservation, Education and Recreation
BUS	341	Drug Discovery and Development (CHEM/ECON) (3) (may double	(BIOL/EC	ON/EDI	UC) (3)
count in the	e Entrep	reneur Option)	BUS	344	The Library: Collections, Services and Instruction
BUS	342	The Zoo: Conservation, Education and Recreation	(ECON/E	DUC/LIE	B) (3)
(BIOL/EC			BUS	349	History of Business and Economics in North America (ECON/HIST)
BUS	344	The Library: Collections, Services and Instruction	(3)		
(ECON/EI			BUS	434	The Museum: Culture, Business and Education (ART/EDUC) (3)
BUS	349	History of Business and Economics in North America (ECON/HIST)			
(3)		, , , , , , , , , , , , , , , , , , , ,	Option (15 unit	ts)
BUS	434	The Museum: Culture, Business and Education (ART/EDUC) (3)			et one of the following options: To complete the elective requirements
ECON-		Capital Theory (FIN) (3)			noose any upper division course from ACCT, BUS, ECON, FIN, MGT,
2001,	0.0				lready used in the major. (Not applicable to the Management Option)
Option (15 unit	c)	1,1111 011,	110 1100 0	aready asses in the imagen (1 for approach to the international option)
			1. Entrepre	eneurshin	Ontion
		t one of the following options: To complete the elective requirements	BUS	341	Drug Discovery and Development (CHEM/ECON)(3)
		noose any upper division course from ACCT, BUS, ECON, FIN, MGT,	MGT	325	Entrepreneurial Management (3)
MIK1 OF M	not a	lready used in the major. (Not applicable to the Management Option)	1,101	323	Entrepreneural Management (3)
1. Entrepre	eneurshir	Ontion	Select three	e of the f	following:
BUS	341	Drug Discovery and Development (CHEM/ECON)(3)	ECON		Economics of Entrepreneurship (3)
MGT	325	Entrepreneurial Management (3)	MGT	424	Organizational Behavior (PSY) (3)
Moi	323	Endepreneural Management (3)	MKT	411	New Product Development and Management (3)
Select three	e of the t	Following:	Electiv		
ECON	_	Economics of Entrepreneurship (3)		` '	
MGT	424	Organizational Behavior (PSY) (3)	2. Finance	Option	
MKT	411	New Product Development and Management (3)	FIN	410	Financial Markets and Institutions (3)
Elective		1.6., 110aact Development and management (3)	FIN	411	Corporate Finance Management (3)
Liceuv	05 (3)		FIN	412	International Financial Management (3)
2. Finance	Ontion		FIN	413	Investment Analysis (3)
FIN	410	Financial Markets and Institutions (3)	Electiv		J = - (=)
FIN	411	Corporate Finance Management (3)		` /	
FIN	412	International Financial Management (3)	3. Global 1	Business	Option
FIN	413	Investment Analysis (3)	MGT	410	Management of International Business (3)
'		nivesument Analysis (3)	MKT	410	International Marketing Management (3)
Elective	es (3)				
			l		

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3. Global Business Option			Select three	e from t	he following:
MGT-	310	— Management of International Business (3)	ACCT	410	International Accounting (3)
MKT	410	International Marketing Management (3)	ECON	370	The World Economy (3)
			ECON	471	International Trade (3)
Select three	e from t	he following:	ECON	472	International Macroeconomics (3)
ACCT	410	International Accounting (3)	FIN	412	International Finance Management (3)
ECON	370	The World Economy (3)	MGT	471	Project Management (3)
ECON	471	International Trade (3)	Elective	s (3)	
ECON	472	International Macroeconomics (3)			
FIN	412	International Finance Management (3)	4. Manager	ment Op	otion
MGT	471	Project Management (3)	MGT	410	Management of International Business (3)
Elective	s (3)		MGT	421	Human Resource Management (3)
			MGT	424	Organizational Behavior (PSY) (3)
4. Manager	nent Op	otion			
MGT	310	Management of International Business (3)	Select two	from th	e following:
MGT	421	Human Resource Management (3)	MGT	325	Entrepreneurial Management (3)
MGT	424	Organizational Behavior (PSY) (3)	MGT	429	Program Management (3)
			MGT	471	Project Management (3)
Select two	from th	e following:	MGT	490	Special Topics (3)
MGT	325	Entrepreneurial Management (3)	MGT	492	Service Learning/Internship (1-3)
MGT	422	Strategic Planning (3)	MGT	497	Directed Study (1-3)
MGT-	428	Contract Management (3)			, <u></u>
MGT	429	Program Management (3)			
MGT	471	Project Management (3)			
MGT	490	Special Topics (3)	Marketin	ng Optic	on
MGT	492	Service Learning/Internship (3)	MKT	311	Consumer Behavior (3)
MGT	497	Directed Study (3)	MKT	409	Marketing Research (3)
		•	MKT	410	International Marketing Management (3)
5. Marketin	g Optic	n	MKT	411	New Product Development and Management (3)
MKT	311	Consumer Behavior (3)	Elective	s (3)	•
MKT	409	Marketing Research (3)			
MKT	410	International Marketing Management (3)	Required	Supp	orting and Other GE Courses (56-57 units)
MKT	411	New Product Development and Management (3)			Interdisciplinary course outside
Elective	s (3)	•			3
	. ,				utions6
Required Supporting and Other GE Courses (56-57 units)					ses in Categories A-E39
Upper Division Interdisciplinary course outside					8-9
Business Major			1 ICC LIC	~u v c3	
American Institutions 6			D		ate for the Miner in Designer Manage
Other GE Courses in Categories A-E			Kequii	reme	nts for the Minor in Business Management
Onici U	L Cours				

Free Electives8-9

Requirements for the 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)
RUS	110	Rusiness I aw (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	420	Cases in Strategy (3)
	BUS	424	Business, Government and Society (3)
	MATH	329	Statistics for Business and Economics (3)
	MGT	307	Management of Organizations (3)
	MGT	310	Management of International Business (3)
	MGT	325	Entrepreneurial Management (3)
	MGT	326	Scientific and Professional Ethics (BIOL) (3)
	MGT	421	Human Resource Management (3)
	MKT	310	Principles of Marketing (3)
	MKT	311	Consumer Behavior (3)

Requirements for the Minor in Economics (20-22 units)

(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	310	Management of International Business (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)

Requirements for the 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.

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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 Microeconomics (3)

and

ECON 111 Principles of Macroeconomics (3)

or

ECON 300 Fundamentals of Economics (3)

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 I (4)

Upper Division Requirements (6 units)

Select either:

ECON 310 Intermediate Microeconomics (3)

or

ECON 329 Managerial Economics (3)

Select either:

ECON 311 Intermediate Macroeconomics (3)

or

ECON 320 Money and Banking (3)

Electives (5-9 units)

Additional upper divisions course in economics. (Minimum total of 21 units)

For Business Majors Only

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 Microeconomics (3)

and

ECON 111 Principles of Macroeconomics (3)

or

ECON 300 Fundamentals of Economics (3)

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

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Upper Division Requirements (6 units)

Select either:

ECON 310 Intermediate Microeconomics (3)

or

ECON 329 Managerial Economics (3)

Select either:

ECON 311 Intermediate Macroeconomics (3)

or

ECON 320 Money and Banking (3)

Electives (5-9 units)

Additional upper divisions course in economics. (Minimum total of 21 units)

For Business Majors Only

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

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 fulfils 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 Certificates (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)

Master of Business Administration (MBA)

Offered through California State University Channel Islands Extended Education Program

The MBA Program is designed to develop business leaders capable of working in an increasingly multicultural and global environment. Key elements include:

- Learning Community/Cohort Experience
- Evening Classes
- · Online Foundations of Business courses

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- Focus on International Business and Entrepreneurial Innovation
- International Study Tour Option
- Real-World Orientation

- Focus on International Business and Entrepreneurial Innovation
- Study Abroad Option
- Real-World Orientation

The MBA Curriculum

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.

Foundations of Business

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.

Required Core

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 and Contact Information

William P. Cordeiro, Ph.D.

Professor of Management Director, MBA Program 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.

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

Contact Information

William P. Cordeiro, Ph.D.

Professor of Management Director, MBA Program Sage Hall, Room 2011

Phone: (805) 437-8860 Fax: (805) 437-8951

http://business.csuci.edu/mba

Sage Hall, Room 237

Phone: (805) 437-8860 Fax: (805) 437-8951

http://business.csuci.edu/mba william.cordeiro@csuci.edu

Mary Fleck, Ph.D.

Associate Director, MBA Program

Sage Hall, Room 224 Phone: (805) 437-3269 Fax: (805) 437-8951 mary.fleck@csuci.edu

Requirements for the Master of Business Administration (33-49)

Foundations of Business (0-16 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)

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, <u>nine</u> 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.

Requirements for the Master of Science Degree in

william.cordeiro@csuci.edu

Mary Fleck, Ph.D.

Associate Director, MBA Program

Sage Hall, Room 2115 Phone: (805) 437-3269

Fax: (805) 437-8951 mary.fleck@csuci.edu

Requirements for the Master of Business Administration (33-49)

Foundations of Business (0-16 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)

Required Core (24 units)

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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, <u>nine</u> 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.

Requirements for the Master of Science Degree in Biotechnology and Master of Business Administration (71 units*)

Biotechnology and Master of Business Administration (71 units*)

Offered through California State University Channel Islands Extended Education Program

*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

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

- Applicants must have a BS/BA, 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.

Offered through California State University Channel Islands Extended Education Program

*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

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.

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- Applicants must have a BS/BA 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.
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 - 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.

 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

Required Foundation Courses (16 Units)

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)

Degree Requirements

Required Foundation Courses (16 Units)

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

(16 units)

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CHEM 110 Chemistry of Life (4)
BIOL 201 Principles of Cell and Molecular Biology (4)
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BIOL 400 Molecular Biology (4)
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2. Required Foundation Courses in Business Economics for students without a BS/BA in Business or Economics or a

related discipline (16 units)

500	Economics for Managers (3)
502	Quantitative Methods for Decision-Making (3)
504	Introduction to Accounting and Finance (4)
506	Principles of Management and Marketing (3)
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	502 504 506

Core Courses

Common Required Courses in the Dual Degree Program (9 Units)

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Required Courses in the Master of Science in Biotechnology (22 Units)

1. Required Core Courses (15 units)

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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)
BIOL	601	Seminar in Biotechnology and Bioinformatics (1)

2. Elective Courses (7 units)

A minimum of seven units from the following courses:

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BIOL	601	Seminar in Biotechnology and Bioinformatics (1)	BIOL	505	Molecular Structure (4)	
			BIOL	507	Pharmacogenomics and Pharmacoproteomics (3)	
2. Elective	Course	es (7 units)	BIOL	508	Advanced Immunology (4)	
A minimu	m of sev	en units from the following courses:	BIOL	509	Plant Biotechnology (4)	
BIOL	505	Molecular Structure (4)				
BIOL	507	Pharmacogenomics and Pharmacoproteomics (3)	Required	Required Courses in the Master of Business Administration (24 Units)		
BIOL	508	Advanced Immunology (4)				
BIOL	509	Plant Biotechnology (4)	1. Required Core Courses (18 units)			
			BUS	510	High Performance Management (3)	
Required	d Cours	ses in the Master of Business Administration (24 Units)	BUS	520	Strategy and Leadership (3)	
·		,	BUS	530	Managing Business Operations (3)	
1. Required	d Core C	Courses (18 units)	BUS	540	Financial Reporting and Analysis (3)	
BUS	510	High Performance Management (3)	BUS	550	The Contemporary Firm (3)	
BUS	520	Strategy and Leadership (3)	BUS	560	The Entrepreneurial Manager (3)	
BUS	530	Managing Business Operations (3)				
BUS	540	Financial Reporting and Analysis (3)	2. Elective	2. Elective Courses (6 units)		
BUS	550	The Contemporary Firm (3)	Double-co	Double-counted courses:		
BUS	560	The Entrepreneurial Manager (3)	BINF	500	DNA and Protein Sequence Analysis (3)	
			BIOL	503	Biotechnology Law and Regulation (3)	
2. Elective	Courses	s (6 units)				
Double-co	unted co	ourses:	Gradua	te Wi	riting Assessment Requirement	
BINF	500	DNA and Protein Sequence Analysis (3)		Writing proficiency prior to the awarding of the degree is demonstrated by successful		
BIOL	503	Biotechnology Law and Regulation (3)			of the degree is demonstrated by successful of the John Strategy of the degree is demonstrated by successful of the John Strategy of the degree is demonstrated by successful of the John Strategy of	
					de of B or higher.	
Graduate Writing Assessment Requirement			Degree wit	iii a grac	ic of B of fligher.	
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.						
			1			

SUMMARY OF CHANGES

Summary of Changes

1. Move introduction for BA in Economics ahead of BS in Business so they are alphabetical

- 2. More clearly identify BS in Business
- 3. Add History and Performing Arts as inter-disciplinary partners
- 4. Add new faculty names and contact information
- 5. Clarify wording related to "at least" to "minimum of"
- 6. Correct various notations and wording: entrepreneurship vs. Entrepreneur
- 7. Reflect change of Management of International Business from 310 to 410 making it a senior level course
- 8. Change "Study Abroad Option" to "International Study Tour Option" to reflect a single course option not an entire program of study overseas

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Only substantive change is MGT 310 to	410 as previously	submitted to Curriculum Committee. All other changes are wording, editing and						
clarifications to make the copy more understandable for students								
Proposer of Program Modification	Date							

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Program Chair		
	Signature	Date
Curriculum Chair		
	Signature	Date
Dean of Faculty		
	Signature	Date