## 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): 20082009 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 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 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

## 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

PROPOSED PROGRAM

> 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


## - Master of Business Administration (MBA) <br> - 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 Economies focuses on the integration of core economic analysis with relevant interdisciplinary applications. The degree develops andytical tools and commenication 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 opporturity through its emphases: general, environmental resource, international, mamagerial or quantitative economics. These emphases allow students to pursure specific interests and maximize eomections 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.


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## 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.
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http://business.csuci.edu

| http://business.csuci.edu | http://econ.csuci.edu |
| :---: | :---: |
| http://econ.csuci.edu | Requirements for the Bachelor of Arts in Economics |
| Requirements for the Bachelor of Arts in Economics | (120 units) |
|  | Lower Division Required............................... 9-10 units |
| Lower Division Required ................................9-10 units | Upper Division Required.................................. 16 units |
| Upper Division Required.................................. 16 units | Required Emphasis ..................................... 15-20 units |
| Required Emphasis......................................15-20 units | General Education........................................... 48 units |
| General Education ........................................... 48 units | American Institutions ......................................... 6 units |
| American Institutions ........................................ 6 units | Free Electives ............................................. 20-26 units |
| Free Electives.............................................20-26 units |  |
|  | TOTAL .......................................................................... 120 units |
| TOTAL ......................................................................... 120 units |  |
|  | Lower Division Requirements (9-10 units) |
| Lower Division Requirements (9-10 units) | ECON 110 Principles of Microeconomics (3) |
| ECON 110 Principles of Microeconomics (3) | ECON 111 Principles of Macroeconomics (3) |
| ECON 111 Principles of Macroeconomics (3) | Select either: |
| Select either: | MATH 140 Calculus for Business Applications (3) |
| MATH 140 Calculus for Business Applications (3) | or |
| or | MATH 150 Calculus I (4) |
| MATH 150 Calculus I (4) |  |
|  | Upper Division Requirements (16 units) |
| Upper Division Requirements (16 units) | ECON 310 Intermediate Microeconomics (3) |
| ECON 310 Intermediate Microeconomics (3) | ECON 311 Intermediate Macroeconomics (3) |
| ECON 311 Intermediate Macroeconomics (3) | ECON 488 Applied Managerial Econometrics (4) |
| ECON 488 Applied Managerial Econometrics (4) | ECON 499 Capstone (3) |
| ECON 499 Capstone (3) | Select either: |
| Select either: | MATH 329 Statistics for Business and Economics (3) |
| MATH 329 Statistics for Business and Economics (3) | or |
| or | MATH 352 Probability and Statistics (3) |
| MATH 352 Probability and Statistics (3) | Note: Students selecting the Quantitative Economics Emphasis must take MATH 352 |
| Note: Students selecting the Quantitative Economics Emphasis must take MATH 352 | Probability and Statistics (3) instead of MATH 329. |
| Probability and Statistics (3) instead of MATH 329. | Required Emphasis (15-20 units) |
| Required Emphasis (15-20 units) | Economics majors are required to complete one of the following five emphases: |
| Economics majors are required to complete one of the following five emphases: | 1. General Economics Emphasis |



## 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 Trade (3) |
| :--- | :--- | :--- |
| ECON | 473 | Development Economics (3) |

Choose two of the following: (one course must be at the 400 level)
ECON
ECO
ECON 470 The World Economy (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 four upper division courses in economics (or approved courses outside of economics) as follows:

FIN $300 \quad$ 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 four 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 $444 \quad$ Values and Valuables (ANTH) (3)
ECON 472 International Macroeconomics (3)
ESRM 483 Issues in Global Resource Management (3)
POLS $328 \quad$ 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 four upper division courses in economics (or approved courses outside of economics) as follows:

## FIN <br> 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) |

- At least 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)

## 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.
$\qquad$
$\qquad$
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)

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.

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Required Supporting and Other GE Courses (75-81 units)
    General Education.
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```48
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American Institutions

```Free Electives1-27
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Requirements for the Bachelor of Science Degree in

| Requirements for the Bachelor of Science Degree in Business <br> (120 units) | Business <br> (120 units) |  |
| :---: | :---: | :---: |
|  | Lower Division Requirements (21-22 units) |  |
|  | ACCT 210 | Financial Accounting (3) |
| Lower Division Requirements (21-22 units) | $\begin{array}{ll}\text { ACCT } & 220\end{array}$ | Managerial Accounting (3) |
| ACCT $210 \quad$ Financial Accounting (3) | $\begin{array}{ll}\text { BUS } & 110 \\ \text { COMP }\end{array}$ | Business Law (3) |
| ACCT 220 Managerial Accounting (3) | COMP 101 | Computer Literacy (3) |
| BUS 110 Business Law (3) | ECON 110 | Principles of Microecon |
| COMP 101 Computer Literacy (3) | Select either: |  |
| ECON 110 Principles of Microeconomics (3) | MATH 140 | Calculus for Business Applications (3) |
| ECON 111 Principles of Macroeconomics (3) | or | Calculus for Business Applications (3) |
| Select either: | MATH 150 | Calculus I (4) |
| MATH 140 Calculus for Business Applications (3) |  | Calulus I(4) |
| MATH 150 Calculus I (4) | Upper Division Required Major Courses (36 units) |  |
|  | ACCT 300 | Applied Managerial Accounting (3) |
| Upper Division Required Major Courses (36 units) | BUS 320 | Business Operations (3) |
| ACCT 300 Applied Managerial Accounting (3) | Select either: ECON 310 | Select either: |
| BUS 320 Business Operations (3) |  | Intermediate Microeconomics (3) |
| Select either: | $\text { ECON } 329$ | Managerial Economics (3) (choose this course if pursuing the |
| ECON 310 Intermediate Microeconomics (3) or | Marketing Option) |  |
| ECON 329 Managerial Economics (3) (choose this course if pursuing the | Select either: |  |
| Marketing Option) | or | Internedate Macıeeonomics (3) |
| Select either: | ECON 320 | Money and Banking (3) |
| ECON 311 Intermediate Macroeconomics (3) | ECON 320 | Money and Banking (3) |
| $\begin{array}{lll}\text { or } \\ \text { ECON } & 320\end{array}$ | ENGL 483 | Technical Visual Communication (3) |
| ECON 320 Money and Banking (3) | FIN 300 | Business Finance (3) |
| ENGL 483 Technical Visual Communication (3) | MATH 329 | Statistics for Business and Economics (3) |
| FIN 300 Business Finance (3) | MGT 307 | Management of Organizations (3) |
| MATH 329 Statistics for Business and Economics (3) | $\begin{array}{ll} \text { MGT } & 326 \\ \text { MIS } & 310 \end{array}$ | Scientific and Professional Ethics (BIOL) (3) Management Information Systems (3) |
| MGT 307 Management of Organizations (3) | $\begin{array}{ll} \text { MKT } & 310 \\ \text { MKT } & 310 \end{array}$ | Principles of Marketing (3) |
| MGT 326 Scientific and Professional Ethics (BIOL) (3) | BUS 499 | Capstone (3) |
| MIS 310 Management Information Systems (3) | BUS 49 | Capstone (3) |
| MKT 310 Principles of Marketing (3) | Upper Division Interdisciplinary Major Courses (6 units) |  |



| 3. Global Business Option | Select three from the following: |
| :---: | :---: |
| MGT 310 Management of Intermational 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 from the 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) | Electives (3) |
| ECON 472 International Macroeconomics (3) |  |
| FIN 412 International Finance Management (3) | 4. Management Option |
| MGT 471 Project Management (3) | MGT 410 Management of International Business (3) |
| Electives (3) | MGT 421 Human Resource Management (3) |
|  | MGT 424 Organizational Behavior (PSY) (3) |
| 4. Management Option |  |
| MGT 310 Management of Intermational Business (3) | Select two from the 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 the following: | MGT 490 Special Topics (3) |
| MGT 325 Entrepreneurial Management (3) | MGT 492 Service Learning/Internship (1-3) |
| MGT 422 Strategic Plamning (3) | MGT 497 Directed Study (1-3) |
| MGT 428 Contract Management (3) |  |
| MGT 429 Program Management (3) |  |
| MGT 471 Project Management (3) |  |
| MGT 490 Special Topics (3) | 5. Marketing Option |
| 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. Marketing Option | MKT 411 New Product Development and Management (3) |
| MKT 311 Consumer Behavior (3) | Electives (3) |
| MKT 409 Marketing Research (3) |  |
| MKT 410 International Marketing Management (3) | Required Supporting and Other GE Courses (56-57 units) |
| MKT 411 New Product Development and Management (3) | Upper Division Interdisciplinary course outside |
| Electives (3) | Business Major........................................................ 3 |
|  | American Institutions ................................................ 6 |
| Required Supporting and Other GE Courses (56-57 units) | Other GE Courses in Categories A-E .......................... 39 |
| Upper Division Interdisciplinary course outside | Free Electives ....................................................... 8-9 |
| Business Major ......................................................... 3 |  |
| American Institutions ........................................................ 6 Other GE Courses in Categories A-E............... 39 | Requirements for the Minor in Business Management |

Free Electives.....................................8-9
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) |  |  |
| 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 | 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) <br> ACCT 210 Financial Accounting (3) <br> BUS $110 \quad$ Business Law (3)

Select one of the following:
ECON 110 Principles of Microeconomics (3)
or
ECON 111 Principles of Macroeconomics (3)
or
ECON $300 \quad$ 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.

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

## 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 |  |  |
| :--- | :--- | :--- |
| and | 110 | Principles of Microeconomics (3) |
| ECON | 111 | Principles of Macroeconomics (3) |
| or |  |  | (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) <br> Select either: <br> ECON <br> or 311 Intermediate Macroeconomics (3) <br> 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 <br> and | 110 | Principles of Microeconomics (3) |
| :--- | :--- | :--- |
| ECON <br> or | 111 | Principles of Macroeconomics (3) |
| 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 $140 \quad$ 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

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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Requirements for Certificate (16 units)
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## Master of Business Administration (MBA)

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- 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
- 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

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## Contact Information

## William P. Cordeiro, Ph.D.

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

## Requirements for the Master of Science Degree in

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Sage Hall, Room 2115
Phone: (805) 437-3269
Fax: (805) 437-8951
marv.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, 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.

## 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 realworld 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 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.

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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 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.
- 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)

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(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)
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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:

| BIOL | 601 | Seminar in Biotechnology and Bioinformatics (1) |  |  |  |
| :--- | :--- | :--- | :---: | :---: | :---: |
| 2. Elective Courses (7 units) |  |  |  |  |  |
| A minimum of seven units from the following courses: |  |  |  |  |  |
| BIOL |  |  |  | 505 | Molecular Structure (4) |
| BIOL | 507 | Pharmacogenomics and Pharmacoproteomics (3) |  |  |  |
| BIOL | 508 | Advanced Immunology (4) |  |  |  |
| BIOL | 509 | Plant Biotechnology (4) |  |  |  |

Required Courses in the Master of Business Administration (24 Units)

1. Required Core Courses (18 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)
2. Elective Courses (6 units)

Double-counted courses:
BINF 500 DNA and Protein Sequence Analysis (3)
BIOL 503 Biotechnology Law and Regulation (3)

## 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.

| BIOL | 505 | Molecular Structure (4) |
| :--- | :--- | :--- |
| BIOL | 507 | Pharmacogenomics and Pharmacoproteomics (3) |
| BIOL | 508 | Advanced Immunology (4) |
| BIOL | 509 | Plant Biotechnology (4) |

Required Courses in the Master of Business Administration (24 Units)

1. Required Core Courses (18 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) |

2. Elective Courses (6 units)

Double-counted courses:
BINF 500 DNA and Protein Sequence Analysis (3)
BIOL 503 Biotechnology Law and Regulation (3)

## 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 <br> 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

## JUSTIFICATION

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

## Program:



Signature
Date

| Curriculum Chair |  |  |
| :--- | :---: | :---: |
| Signature |  | Date |



