

## FINANCIAL ECONOMICS (FIEC) B.S. REQUIREMENTS FORM

### 61-64 total credits required

A grade of "C" or better is required in each course to fulfill major requirements. Students must take a minimum of 21 credits from UMBC (not transferred) ECON courses. Students may complete a maximum of one major or minor from the Department of Economics.

### I. General Core Requirements (40-43 credits)

#### Grade Course Number and Title

\_\_\_\_\_ ECON 101 – Principles of Microeconomics

\_\_\_\_\_ ECON 102 – Principles of Macroeconomics

\_\_\_\_\_ ECON 121 – Principles of Accounting I

\_\_\_\_\_ ECON 122 – Principles of Accounting II

\_\_\_\_\_ One of the following:

    MATH 151 – Calculus and Analytic Geometry I

    MATH 155 – Applied Calculus

\_\_\_\_\_ One of the following:

    ECON 310 – Data Analysis for Economics

    STAT 350 – Statistics with Applications in the Biological Sciences

    STAT 351 – Applied Statistics for Business and Economics

    STAT 355 – Introduction to Probability and Statistics for Scientists and Engineers

    STAT 453 – Introduction to Mathematical Statistics

    CMPE 320 – Probability, Statistics, and Random Processes

\_\_\_\_\_ ECON 311 – Intermediate Microeconomic Analysis

\_\_\_\_\_ ECON 312 – Intermediate Macroeconomic Analysis

\_\_\_\_\_ ECON 374 – Financial Management

\_\_\_\_\_ One of the following:

    ECON 320 – Quantitative Methods for Management

    ECON 421 – Introduction to Econometrics

    ECON 423 – Time Series and Forecasting

\_\_\_\_\_ One of the following:

    COMP 101 – Computational Thinking and Design

    CMSC 104 – Problem Solving and Computer Programming

    CMSC 201 – Computer Science I for Majors

    IS 101 – Introduction to Computer Based Systems

    IS 125 – Information Systems Logic and Structured Design

    IS 147 – Introduction to Computer Programming

    IS 295 – Intermediate Business Applications

\_\_\_\_\_ One of the following:

    ECON 490 – Analytic Methods in Economics

    MATH 152 – Calculus and Analytic Geometry II

    MATH 215 – Applied Finite Mathematics

    MATH 221 – Introduction to Linear Algebra

\_\_\_\_\_ One of the following:

    PHIL 248 – Introduction to Scientific Reasoning

    PHIL 253 – Business Ethics

    PHIL 346 – Deductive Logic

    PHIL 350 – Ethical Theory

    CMSC 203 – Discrete Structures

    MGMT 385 – Business Ethics and Society

## II. Financial Economics Core Requirements (12 credits)

Four courses (12 credits) from the following are required. At least one of the four must be either ECON 471 or ECON 475. A maximum of three credits can come from ECON 410.

<u>Grade</u>	<u>Course Number and Title</u>
_____	ECON 301 – Intermediate Accounting
_____	ECON 410 – Topics in Financial Economics
_____	ECON 453 – Household Economics
_____	ECON 463 – Public Finance
_____	ECON 471 – Financial Markets and Institutions
_____	ECON 472 – Monetary Theory and Policy
_____	ECON 474 – Intermediate Financial Management
_____	ECON 475 – Financial Investment Analysis
_____	ECON 476 – Portfolio Analysis and Management
_____	ECON 477 – Analysis of Derivative Securities
_____	ECON 478 – Real Estate Economics and Finance
_____	ECON 479 – Venture Capital and Capital Market Imperfections
_____	ECON 482 – International Finance

## III. Upper-level Economics Electives (9 credits)

Three courses (9 credits) numbered ECON 314 or higher are required. These may include additional courses from the General Core or the Financial Economics Core. ECON 600 may not be counted as an upper-level elective for the major.

<u>Grade</u>	<u>Course Number and Title</u>
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Up to two of the following courses (6 credits) may be substituted for upper-level ECON electives:

- ECON 302 – Intermediate Accounting II
- ECAC 329 – Cost Accounting
- ECAC 330 – Principles of Taxation
- CMSC 202 – Computer Science II for Majors
- CMSC 331 – Principles of Programming Language
- CMSC 341 – Data Structures
- IS 247 – Computer Programming II
- IS 320 – Advanced Business Applications
- MATH 225 – Introduction to Differential Equations
- MATH 251 – Multivariable Calculus
- MATH 302 – Introduction to Mathematical Analysis II
- MATH 341 – Computational Methods
- MATH 381 – Linear Methods in Operations Research
- STAT 417 – Introduction to Time Series Data Analysis
- STAT 433 – Statistical Computing
- STAT 453 – Introduction to Mathematical Statistics
- STAT 454 – Applied Statistics
- POLI 353 – Governmental Budgeting and Financial Administration