UMBC UGC Program Changes & Other Request: Financial Economics

Date Submitted: 1/17/2019 Proposed Effective Date: Fall 2019

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Specifics (see instructions):

We want to add a requirement that at least 21 of the credits from ECON courses for the FIEC B.S. be taken at UMBC, as opposed to courses transferred from other institutions. Please see the following pages for the current and proposed FIEC B.S. requirements, respectively. They differ only by the 21 UMBC credit requirement provided in the top section.

Rationale (see instructions):

On rare occasions, students have transferred a majority of their economics courses into UMBC from another institution. The view of the Economics Department is that it is inappropriate to bestow a UMBC B.S. in Financial Economics if the majority of the student's economics coursework was not provided in UMBC courses. Requiring that at least 21 ECON credits be acquired from UMBC courses resolves this issue. This does not change the total number of required credits, and will have no impact whatsoever on the overwhelming majority of FIEC majors.

FINANCIAL ECONOMICS (FIEC) B.S. REQUIREMENTS – CURRENT

61-64 total credits required

A grade of "C" or better is required in each course to fulfill major requirements.

I. General Core Requirements (40-43 credits)				
	Course Number and Title			
<u> </u>	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:			
	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 346 – Deductive Logic			
	PHIL 350 – Ethical Theory			
	PHIL 399B – Topics in Philosophy			
	CMSC 203 – Discrete Structures			
	MGMT 385 –Business Ethics and Society			

II. Financial Faculturia Coma Bassinamanta (12 anadita)
II. Financial Economics Core Requirements (12 credits)
Four courses (12 credits) are required. One of the four must be either ECON 471 or ECON 475.
Grade Course Number and Title
Four of the following, at least one of which must be either ECON 471 or ECON 475:
ECON 301 – Intermediate Accounting I
ECON 410 – Topics in Financial Economics ECON 453 – Household Economics ECON 463 – Public Finance
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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 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. ECON 600 may not be counted as an upper
level elective for the major.
Grade Course Number and Title
Grade Course Named and Title

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 220 Advanced Pusiness Applications

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

FINANCIAL ECONOMICS (FIEC) B.S. REQUIREMENTS – PROPOSED

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.

eral Core Requirements (40-43 credits) 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:
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 346 – Deductive Logic
PHIL 350 – Ethical Theory
PHIL 399B – Topics in Philosophy
CMSC 203 – Discrete Structures
MGMT 385 –Business Ethics and Society

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II. Financial Economics Core Requirements				
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	of which must be either ECON 471 or ECON 475:			
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ECON 471 – Financial Markets and				
ECON 472 – Monetary Theory and	•			
ECON 474 – Intermediate Financia	-			
ECON 475 – Financial Investment	•			
ECON 476 – Portfolio Analysis and	-			
ECON 477 – Analysis of Derivative	ECON 477 – Analysis of Derivative Securities ECON 478 – Real Estate Economics and Finance			
				
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ECON 482 – International Finance				
III. Upper-level Economics Electives (9 cred	lits)			
	114 or higher are required. ECON 600 may not be counted as an upper			
level elective for the major.	, , , , , , , , , , , , , , , , , , , ,			
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ECON 302 – Intermediate Accounting II				
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IS 247 – Computer Programming II				
IS 320 – Advanced Business Applications				

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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

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