

## UMBC UGC Program Changes & Other Request: B.A. in Economics

Date Submitted: 9/2020

Proposed Effective Date: Spring 2021

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### Specifics (see instructions):

The Economics Department wants to add ECON 310 – Data Analysis for Economics, to the list of courses that satisfy the statistics requirement for the ECON B.A. Please see the following pages for the current and proposed ECON B.A. requirements, respectively. They differ only in the statistics requirement provided in the top section.

### Rationale (see instructions):

Currently, ECON B.A. majors are required to take one of the following courses to fulfill a statistics requirement: STAT 350, STAT 351, STAT 355, STAT 453, or CMPE 320. The UGC approved ECON 310 on March 5, 2020. ECON 310 was designed to give ECON (and Financial Economics B.S. majors) an additional option for fulfilling this requirement, an option that surveys the theoretical and applied statistical tools that are directly relevant to empirical economics. As we delineated in our application to create ECON 310, we believe that ECON 310 is a valuable addition to the list for multiple reasons. Compared to the courses already on the list, the content of ECON 310 focuses more on the theories, tools, and applications used specifically in economics, ECON 310 will be taught by full-time Economics Department faculty rather than adjunct faculty, and the addition of ECON 310 provides students with greater flexibility in fulfilling the statistics requirement.

To be clear, the Economics Department wants to add ECON 310 to the list of courses that satisfy the statistics requirement for the ECON B.A. All five courses already on the list will continue to be accepted for the requirement – this is an addition only, not a replacement. No courses will be discontinued, so no accommodations for current students are required. This does not change the number of credits required for the ECON B.A.

# ECONOMICS (ECON) B.A. REQUIREMENTS FORM -- CURRENT

Name: \_\_\_\_\_ Campus ID: \_\_\_\_\_

## 42-43 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.

### I. Core Requirements (21-22 credits)

Grade   Course Number and Title

- \_\_\_\_\_ ECON 101 – Principles of Microeconomics
- \_\_\_\_\_ ECON 102 – Principles of Macroeconomics
- \_\_\_\_\_ ECON 311 – Intermediate Microeconomic Analysis
- \_\_\_\_\_ ECON 312 – Intermediate Macroeconomic Analysis
- \_\_\_\_\_ 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:
  - \_\_\_\_\_ 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

### II. Upper-level Economics Electives (21 credits)

Seven courses (21 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

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\*\*\* The requirement that students take one of ECON 320, 421, or 423 applies to students who declared the ECON B.A. major after Summer 2018. Student who declared the major in Summer 2018 or earlier are not required to take one of those courses.

# ECONOMICS (ECON) B.A. REQUIREMENTS FORM -- PROPOSED

Name: \_\_\_\_\_ Campus ID: \_\_\_\_\_

## 42-43 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.

### I. Core Requirements (21-22 credits)

Grade Course Number and Title

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

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