

# UNIVERSITY FACULTY SENATE FORMS

## Academic Program Approval

This form is a routing document for the approval of new and revised academic programs. Proposing department should complete this form. For more information, call the Faculty Senate Office at 831-2921.

**Submitted by:** Eleanor Craig phone number X1904

**Department:** Economics email address Craige@udel.edu

**Date:** 7 August 2013

**Action:** revise Quantitative Proficiency Requirement and related work requirement

(Example: add major/minor/concentration, delete major/minor/concentration, revise major/minor/concentration, academic unit name change, request for permanent status, policy change, etc.)

**Effective term** 14f  
(use format 04F, 05W)

**Current degree** BS in Economics  
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

**Proposed change leads to the degree of:**  
NA  
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

**Proposed name:** NA  
Proposed new name for revised or new major / minor / concentration / academic unit (if applicable)

### Revising or Deleting:

**Undergraduate major / Concentration:** BS Economics  
(Example: Applied Music -- Instrumental degree BMAS)

**Undergraduate minor:** \_\_\_\_\_  
(Example: African Studies, Business Administration, English, Leadership, etc.)

**Graduate Program Policy statement change:** \_\_\_\_\_  
(Must attach your Graduate Program Policy Statement)

**Graduate Program of Study:** \_\_\_\_\_  
(Example: Animal Science: MS Animal Science: PHD Economics: MA Economics: PHD)

**Graduate minor / concentration:** \_\_\_\_\_

**Note: all graduate studies proposals must include an electronic copy of the Graduate Program Policy Document, highlighting the changes made to the original policy document.**

**List new courses required for the new or revised curriculum. How do they support the overall program objectives of the major/minor/concentrations)?**

(Be aware that approval of the curriculum is dependent upon these courses successfully passing through the Course Challenge list. If there are no new courses enter "None")

NONE

**Explain, when appropriate, how this new/revised curriculum supports the 10 goals of undergraduate education: <http://www.ugs.udel.edu/gened/>**

**Identify other units affected by the proposed changes:**

(Attach permission from the affected units. If no other unit is affected, enter "None")

NONE

**Describe the rationale for the proposed program change(s):**

(Explain your reasons for creating, revising, or deleting the curriculum or program.)

Revise: (1) quantitative proficiency requirement to have MATH courses require calculus as a prerequisite, and to preclude CISC 355/356 (not quantitative courses); (2) related work requirement – same changes; (3) simplify additional ECON course requirements to six courses at the 300-level or above with at least two of these courses at the 400-level or above; (4) to add ECON 415 and ECON 422 to the list of ECON courses of which only one of the two courses will count.

**Program Requirements:**

(Show the new or revised curriculum as it should appear in the Course Catalog. If this is a revision, be sure to indicate the changes being made to the current curriculum and **include a side-by-side comparison** of the credit distribution before and after the proposed change.)

**ROUTING AND AUTHORIZATION:** (Please do not remove supporting documentation.)

Department Chairperson James L. Butkiewicz Date 3/24/14

Dean of College J. Jackson F. Dalbyne Date 3/24/14

Chairperson, College Curriculum Committee Rick Andrews, Deputy Dean Date 3-25-14

Chairperson, Senate Com. on UG or GR Studies \_\_\_\_\_ Date \_\_\_\_\_

Chairperson, Senate Coordinating Com. \_\_\_\_\_ Date \_\_\_\_\_

Secretary, Faculty Senate \_\_\_\_\_ Date \_\_\_\_\_

Date of Senate Resolution \_\_\_\_\_ Date to be Effective \_\_\_\_\_

Registrar \_\_\_\_\_ Program Code \_\_\_\_\_ Date \_\_\_\_\_

Vice Provost for Academic Affairs & International Programs \_\_\_\_\_ Date \_\_\_\_\_

Provost \_\_\_\_\_ Date \_\_\_\_\_

Board of Trustee Notification \_\_\_\_\_ Date \_\_\_\_\_

## MAJOR REQUIREMENTS

**Second Writing Requirement:** (minimum grade C-) 3

A writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 60 credit hours. See second writing courses.

One of the following: (minimum grade C-) 3-4

MATH 221 Calculus I

or

MATH 241 Analytic Geometry and Calculus A

**Quantitative Proficiency Requirement:** (minimum grade C-) 9

An additional nine credits of course work in the quantitative area. At least three credits in addition to MATH 221 or MATH 241 must be taken in Mathematics at or above the 200-level except MATH 201, MATH 202, MATH 205, MATH 250, MATH 251, MATH 252, and MATH 253. The remaining six credits may be chosen from other Mathematics courses at or above the 200-level (except MATH 201, MATH 202, MATH 205, MATH 250, MATH 251, MATH 252, and MATH 253), ACCT 208, Statistics and Computer Science courses at or above the 300-level, BUAD 306, BUAD 346, and BUAD 446, MISY 261, MISY 430, and MISY 431, and ECON 415, ECON 422, ECON 423, and ECON 426. A maximum of one economics course may be used to satisfy this requirement while simultaneously being used to satisfy Economics course requirements.

## BREADTH REQUIREMENTS (See Description)

*Creative Arts and Humanities* 9  
Nine credits representing at least two departments.

*History and Cultural Change* 9  
Nine credits representing at least two departments.

*Social and Behavioral Sciences* 3  
Cannot be satisfied by an Economics course.

*Mathematics, Natural Sciences and Technology* 4  
This course must have an associated laboratory.

MATH 201/MATH 202 Introduction to Statistics I and II: (minimum grade C-) 6

**Related Work Requirement** 9  
Nine credits chosen from any 300-level or higher courses in Accounting, Anthropology, Business Administration, Computer Science, Finance, Geography, History, Mathematics, Philosophy, Political Science, Psychology, Sociology, and Statistics. Also acceptable are ACCT 207, ACCT 208, any 200-level Mathematics course except MATH 201, MATH 202, MATH 205, MATH 250, MATH 251, MATH 252, and MATH 253, and any MISY courses.

## MAJOR REQUIREMENTS

**Second Writing Requirement:** (minimum grade C-) 3

A writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 60 credit hours. See second writing courses.

One of the following: (minimum grade C-) 3-4

MATH 221 Calculus I

or

MATH 241 Analytic Geometry and Calculus A

**Quantitative Proficiency Requirement:** (minimum grade C-) 9

An additional nine credits of course work in the quantitative area. At least three credits in addition to MATH 221 or MATH 241 must be taken in Mathematics at the 200-level or above with calculus as a prerequisite. The remaining six credits may be chosen from other MATH courses at the 200-level or above with calculus as a prerequisite. Other acceptable courses include ACCT 208, BUAD 306, BUAD 346, BUAD 446, MISY 225, MISY 261, MISY 430, MISY 431, 300-level or higher courses in Statistics and Computer Science (except CISC 355 and CISC 356), ECON 415, ECON 422, ECON 423, and ECON 426. A maximum of one economics course may be used to satisfy this requirement while simultaneously being used to satisfy Economics course requirements.

## BREADTH REQUIREMENTS (See Description)

Courses used to fulfill University breadth requirements above may also be used to fulfill departmental breadth requirements.

*Creative Arts and Humanities* 9  
Nine credits representing at least two departments.

*History and Cultural Change* 9  
Nine credits representing at least two departments.

*Social and Behavioral Sciences* 3  
Cannot be satisfied by an Economics course.

*Mathematics, Natural Sciences and Technology* 4  
This course must have an associated laboratory.

MATH 201/MATH 202 Introduction to Statistics I and II: (minimum grade C-) 6

**Related Work Requirement** 9  
Nine credits chosen from any 300-level or higher courses in Accounting, Anthropology, Business Administration, Computer Science (except CISC 355 and CISC 356), Finance, Geography, History, Mathematics, Philosophy, Political Science, Psychology, Sociology, and Statistics. Also acceptable are ACCT 207, ACCT 208, any 200-level Mathematics with calculus as a prerequisite, and any 200-level or above MISY courses.

Courses used to satisfy the Related Work Requirement may not be used to fulfill the quantitative proficiency requirement described above.

<u>ECON 151</u>	Introduction to Microeconomics: Prices and Markets (minimum grade C-)	3
<u>ECON 152</u>	Introduction to Macroeconomics: National Economy (minimum grade C-)	3
<u>ECON 301</u>	Quantitative Microeconomic Theory (minimum grade C-)	3
<u>ECON 303</u>	Intermediate Macroeconomic Theory (minimum grade C-)	3

Six additional Economics courses at or above the 300 level, at least two of which are at or above the 400-level. At least one of the 400 level Economics electives must be chosen from courses other than ECON 415, ECON 422, or ECON 423: (minimum grade C-) 18

Credit will not be allowed for both courses of any of the following sets of corresponding courses: ECON 251, ECON 300, and ECON 301; ECON 332 and ECON 433, ECON 344 and ECON 444; ECON 360 and ECON 463, ECON 381 and ECON 483, and ECON 390 and ECON 490.

**ELECTIVES**

After required courses are completed, sufficient credits must be taken to meet the minimum credits required for the degree. No more than three credits can be from HESC/BHAN 120.

**CREDITS TO TOTAL A MINIMUM OF 120**

Courses used to satisfy the Related Work Requirement may not be used to fulfill the quantitative proficiency requirement described above.

<u>ECON 151</u>	Introduction to Microeconomics: Prices and Markets (minimum grade C-)	3
<u>ECON 152</u>	Introduction to Macroeconomics: National Economy (minimum grade C-)	3
<u>ECON 301</u>	Quantitative Microeconomic Theory (minimum grade C-)	3
<u>ECON 303</u>	Intermediate Macroeconomic Theory (minimum grade C-)	3

Six additional Economics courses at or above the 300 level, at least two of which are at or above the 400-level. (minimum grade C-) 18

Credit will not be allowed for both courses of any of the following sets of corresponding courses: ECON 251, ECON 255, ECON 300, and ECON 301; ECON 332 and ECON 433, ECON 344 and ECON 444; ECON 360 and ECON 463, ECON 381 and ECON 483, ECON 390 and ECON 490, and ECON 415 and ECON 422.

**ELECTIVES**

After required courses are completed, sufficient credits must be taken to meet the minimum credits required for the degree. No more than three credits can be from HESC/BHAN 120.

**CREDITS TO TOTAL A MINIMUM OF 120**