

# 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 William F. Dalrymple 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:** 9  
(minimum grade C-)

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:** 9  
(minimum grade C-)

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 200 level and higher Mathematics course requiring calculus as a prerequisite except MATH308. The remaining six credits may be chosen from other MATH courses at the 200-level or above requiring calculus as a prerequisite except MATH308. 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, Philosophy,

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

<a href="#">ECON 151</a>	Introduction to Microeconomics: Prices and Markets (minimum grade C-)	3
<a href="#">ECON 152</a>	Introduction to Macroeconomics: National Economy (minimum grade C-)	3
<a href="#">ECON 301</a>	Quantitative Microeconomic Theory (minimum grade C-)	3
<a href="#">ECON 303</a>	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**

Political Science, Psychology, Sociology, and Statistics. Also acceptable are ACCT207, ACCT208, any 200-level or above MISY courses, and MATH221 or MATH241 and any 200-level or above Mathematics course requiring calculus as a prerequisite except MATH308.

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

<a href="#">ECON 151</a>	Introduction to Microeconomics: Prices and Markets (minimum grade C-)	3
<a href="#">ECON 152</a>	Introduction to Macroeconomics: National Economy (minimum grade C-)	3
<a href="#">ECON 301</a>	Quantitative Microeconomic Theory (minimum grade C-)	3
<a href="#">ECON 303</a>	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**