

# 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: Yuk-J Leung phone number X-1881

Department: Mathematical Sciences email: yleung@math.udel.edu

Action: **Minor revision of major requirements**

(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 10F  
(use format 04F, 05W)

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

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

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

### Revising or Deleting:

Undergraduate major /Concentration: Mathematics -BAAS  
(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")

There are no new courses required. We are simply allowing UNIV 101 as an alternate course satisfying the First Year Experience (FYE) requirement in addition to Math 268 (1 -credit) already in place.

**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.)

Since the Math Sci Department cannot offer too many sections of Math 268 to incoming math majors, we give the students the flexibility of either taking UNIV 101 or Math 268 for the FYE requirement.

**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.)

The addition of UNIV-101 as an alternate to MATH 268 is printed in blue ink.

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

Department Chairperson File M Date 5/5/10

Dean of College \_\_\_\_\_ Date \_\_\_\_\_

Chairperson, College Curriculum Committee \_\_\_\_\_ Date \_\_\_\_\_

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 \_\_\_\_\_

## Proposed Change on BA in Mathematics

**Note on: side by side comparison**

**UNIV 101 is added as an alternate FYE course for MATH 268**

DEGREE: BACHELOR OF ARTS

MAJOR: MATHEMATICAL SCIENCES

CURRICULUM CREDITS

University and College requirements.

MAJOR REQUIREMENTS

A grade of C- or better is required for major courses and related work. Students lacking preparation for MATH 242 should begin with MATH 241.

MATH 210	Discrete Mathematics I	3
MATH 242	Analytic Geometry and Calculus B	4
MATH 243	Analytic Geometry and Calculus C	4
MATH 245	An Introduction to Proof	3
MATH 268	Perspectives on Mathematics - FYE	1
or		
UNIV 101	First year Experience I	
MATH 302	Ordinary Differential Equations	3
MATH 349	Elementary Linear Algebra	3
MATH 350	Probability Theory and Simulation Methods	

Nine credits of mathematics at the 300 level or above. MATH 308, MATH 379, MATH 380, and MATH 382 are not applicable

ENGL 312	Written Communications in Business (or other approved second writing course, including MATH 308 or MATH 512)	3
CISC 181	Introduction to Computer Science II	3
and		
CISC 220	Data Structures	3

(Students with no previous experience in a programming language should start with CISC 106 or CISC 108)

Any substitution must be approved by the department Undergraduate Studies Committee.

ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credits requirement for the degree, with at least 79 credits outside Mathematics.

CREDITS TO TOTAL A MINIMUM OF

124

2009-2010 UD Catalog ->  
 2009-2010 Undergraduate Programs ->  
 College of Arts and Sciences ->  
 Mathematical Sciences ->  
 BACHELOR OF ARTS - MATHEMATICAL SCIENCES

Academic Year: **2009-2010** ▼

**DEGREE: BACHELOR OF ARTS**  
**MAJOR: MATHEMATICAL SCIENCES**

**CURRICULUM**

**CREDITS**

University and College requirements.

**MAJOR REQUIREMENTS**

A grade of C- or better is required for major courses and related work. Students lacking preparation for MATH 242 should begin with MATH 241.

MATH 210	Discrete Mathematics I	3
MATH 242	Analytic Geometry and Calculus B	4
MATH 243	Analytic Geometry and Calculus C	4
MATH 245	An Introduction to Proof	3
MATH 268	Perspectives on Mathematics	1
MATH 302	Ordinary Differential Equations	3
MATH 349	Elementary Linear Algebra	3
MATH 350	Probability Theory and Simulation Methods	3

Nine credits of mathematics at the 300 level or above. MATH 308, MATH 379, MATH 380, and MATH 382 are not applicable

ENGL 312	Written Communications in Business	3
(or other approved second writing course, including MATH 308 or MATH 512)		
CISC 181	Introduction to Computer Science II	3
and		
CISC 220	Data Structures	3

(Students with no previous experience in a programming language should start with CISC 108)

Any substitution must be approved by the department Undergraduate Studies Committee.

**ELECTIVES**

After required courses are completed, sufficient elective credits must be taken to meet the minimum credits requirement for the degree, with at least 79 credits outside Mathematics.

**CREDITS TO TOTAL A MINIMUM OF**

**124**

The University reserves the right to change its policies, rules, regulations, requirements for graduation, course offerings and any other contents of this catalog at any time.