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 ___________________ (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 __________________________ 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 __________________________

Revised 10/23/2007 /khs
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 9

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 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
DEGREE: BACHELOR OF ARTS  
MAJOR: MATHEMATICAL SCIENCES

CURRICULUM  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 210</td>
<td>Discrete Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 242</td>
<td>Analytic Geometry and Calculus B</td>
<td>4</td>
</tr>
<tr>
<td>MATH 243</td>
<td>Analytic Geometry and Calculus C</td>
<td>4</td>
</tr>
<tr>
<td>MATH 245</td>
<td>An Introduction to Proof</td>
<td>3</td>
</tr>
<tr>
<td>MATH 268</td>
<td>Perspectives on Mathematics</td>
<td>1</td>
</tr>
<tr>
<td>MATH 302</td>
<td>Ordinary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 349</td>
<td>Elementary Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 350</td>
<td>Probability Theory and Simulation Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

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

(Student 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.