

# 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:** Laura Glass phone number (302) 831-1647

**Department:** School of Education email address [lglass@udel.edu](mailto:lglass@udel.edu)

**Action:** Revise concentration

(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** 07F

(use format 04F, 05W)

**Current degree** MEd

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

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

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

### Revising or Deleting:

**Undergraduate major / Concentration:** \_\_\_\_\_  
(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:** Major: Curriculum and Instruction  
Concentration: Secondary Mathematics Education

**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/>

Does not apply.

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

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

Dr. Jinfa Cai, Professor of Mathematical Sciences, is the contact person for this program. His approval of the proposed revision is attached.

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

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

One of the degree programs in the School of Education is the M.Ed. in Curriculum and Instruction. There are four concentrations that students can pursue in the program: Science Education, Mathematics Education, Secondary Mathematics Education, and Social Studies Education. There is one proposed revision to the Secondary Mathematics Education concentration.

Currently, the students are required to take the Praxis II Mathematics: Content Knowledge test. This requirement was initially created in order to gather data for accreditation by the National Council of Teachers of Mathematics (NCTM). The NCATE/NCTM Program Report requires that students pursuing initial certification take a standardized test, such as Praxis II. The mathematics education faculty in the School of Education recently learned from the NCTM that programs that do not lead to initial certification do not need to file a program report. Since students in this program are not pursuing initial certification, the proposed revision is to remove this expensive test as a requirement. We will collect data for NCATE from other sources.

**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.)

Current Concentration	Revised Concentration
<p><u>I. Research (3 credits)</u>            Select one course from the following with the approval of the advisor.</p> <p>EDUC 600 Teacher as Researcher            EDUC 607 Educational Research Procedures            EDUC 660 Applied Educational Measurement</p>	<p>Same</p>
<p><u>II. Specialization (30 credits)</u>            A. Required (24 credits)            EDUC 640 Introduction to Curriculum            EDUC 636 Teaching Mathematics in the Middle School            MATH 584 Advanced Secondary Mathematics Methods            MATH 585 Technology in Secondary Mathematics            MATH 518 Mathematical Models and Applications            MATH 581 On the Nature of Proof            MATH 583 Probability and Statistics for Education            MATH 586 Mathematical Problem Solving            B. Electives (6 credits)            Select courses in mathematics or mathematics education</p>	<p>Same</p> <p>Same</p>

with the approval of the advisor. Coursework prior to entering the program or while completing the program must cover the following topics: Geometry and Measurement and Discrete Mathematics. Students may choose to complete a Masters Thesis for 6 credits to satisfy this requirement.	
<u>III. Comprehensive Exam</u> The Comprehensive Exam requirement serves two purposes: (1) it is an opportunity for students to reflect on what they have learned during their coursework and to express their breadth and depth of knowledge in mathematics education, and (2) it is an opportunity for the faculty in mathematics and/or mathematics education to assess students' understanding of issues in mathematics education. The exam is to be taken after the completion of 27 credits of Master's coursework.	Same
<u>IV. Take the Praxis II Secondary Mathematics Exam</u> The exam is to be taken after the completion of 27 credits of Master's coursework.	Delete
<u>V. Total of at least 33 credits</u>	Same

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

Department Chairperson \_\_\_\_\_ Date \_\_\_\_\_

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 Programs & Planning \_\_\_\_\_ Date \_\_\_\_\_

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

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

Revised 5/02/06 /khs