

Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

<input type="checkbox"/> (Check one) New Course (Parts II, IV)	Department Name	Mathematics and Statistics																					
<input type="checkbox"/> Course Revision (Parts II, IV)	College	Arts and Sciences																					
<input type="checkbox"/> Course Dropped (Part II)	*Course Prefix & Number																						
<input type="checkbox"/> New Program (Part III)	*Course Title (30 characters)																						
<input checked="" type="checkbox"/> Program Revision (Part III)	*Program Title	Mathematics/Teaching (B.S.)																					
<input type="checkbox"/> Program Suspended (Part III)	*Provide only the information relevant to the proposal.																						
<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Proposal Approved by:</td> <td style="width: 30%; text-align: center;"><u>Date</u></td> <td style="width: 40%; text-align: right;"><u>Date</u></td> </tr> <tr> <td>Departmental Committee</td> <td style="text-align: center;">1/31/03</td> <td style="text-align: right;">Graduate Council* NA</td> </tr> <tr> <td>College Curriculum Committee</td> <td style="text-align: center;">3-3-03</td> <td style="text-align: right;">Council on Academic Affairs Corrected Version</td> </tr> <tr> <td>General Education Committee*</td> <td style="text-align: center;">NA</td> <td style="text-align: right;">Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> 03-28-03</td> </tr> <tr> <td>Teacher Education Committee*</td> <td></td> <td style="text-align: right;">Faculty Senate**</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">Board of Regents**</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">Council on Postsecondary Edu.*** NA</td> </tr> </table>			Proposal Approved by:	<u>Date</u>	<u>Date</u>	Departmental Committee	1/31/03	Graduate Council* NA	College Curriculum Committee	3-3-03	Council on Academic Affairs Corrected Version	General Education Committee*	NA	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> 03-28-03	Teacher Education Committee*		Faculty Senate**			Board of Regents**			Council on Postsecondary Edu.*** NA
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<p>*If Applicable (Type NA if not applicable.) **Approval needed for new, revised, or suspended programs ***Approval/Posting needed for new degree program or certificate program</p>																							

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested:	(Example: To increase the number of credit hours for ABC 100 from 1 to 2.) To add Computer Science/Mathematics Teaching as an option under the B.S. degree in Math Teaching.
A. 2. Effective date:	(Example: Fall 2001) Fall 2003
A. 3. Effective date of suspended programs for currently enrolled students:	(if applicable)
B. The justification for this action:	There is a high demand for teachers conversant in both mathematics and computer science.
C. The projected cost (or savings) of this proposal is as follows:	
Personnel Impact:	New faculty are not needed specifically for this program.
Operating Expenses Impact:	No new operating funds are needed.
Equipment/Physical Facility Needs:	No new equipment is needed.
Library Resources:	No new library resources are needed.

Part III. Recording Data for New, Revised, or Suspended Program

1. For a new program, provide the catalog description as being proposed.
2. For a revised program, provide (a) the current program requirements and (b) the revised program, reflecting the exact changes being proposed.
3. For a suspended program, provide the current program requirements as shown in catalog. List any options and/or minors affected by the program's suspension.

Current Program Requirements as Shown in Catalog

MATHEMATICS/TEACHING (B.S.)

CIP Code: 27.0101

Program Objectives

Upon successful completion of this program, the graduate will be prepared for certification to teach mathematics at the secondary level and will: (1) understand the principles of pre-college mathematics; (2) be able to explain mathematical concepts and applications to social, economic, and scientific problems; (3) understand the importance and power of mathematics in our rapidly changing technological age; and (4) be prepared to pursue a graduate program in this or some related area.

Refer to the College of Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program.

Major Requirements 36 hours

MAT 124* or 124H; 214; 224 or 224H; 225 or 225H; 285, 301, 308, 315, 334, 380; three hours of courses chosen from: CSC 300, 320, STA 370, 520, 521, and any MAT course numbered 300 or above (except for 303, 349, 501, or 502). All courses must be completed with a grade of at least "C-". At least five upper-division courses which satisfy the major requirements must be completed at EKU.

Supporting Course Requirements 9 hours

Three hours of an approved programming language, CSC 104, STA 270. All courses must be completed with a grade of at least a "C-".

Professional Education Requirements 31 hours

EDF 103, 203, EPY 319, 413, SED 401, ESE 450, 490, 499.

General Education Requirements 42 hours

Standard General Education program, excluding course categories 03, 04 and 21. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

University Requirements 4 hours

ASO 100 and three hours of restricted electives.

Free Electives 6 hours

Total Curriculum Requirements 128 hours

* A preparatory course in mathematics (MAT 109) may be required before admission to calculus.

New or Revised* Program
(*Use ~~strikeout~~ for deletions and underlines for additions.)

MATHEMATICS TEACHING (B.S.)

CIP Code: 27.0101

Program Objectives

Upon successful completion of this program, the graduate will be prepared for certification to teach mathematics at the secondary level and will: (1) understand the principles of pre-college mathematics; (2) be able to explain mathematical concepts and applications to social, economic, and scientific problems; (3) understand the importance and power of mathematics in our rapidly changing technological age; and (4) be prepared to pursue a graduate program in this or some related area.

Refer to the College of Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program.

Major Requirements 36-41 hours

Core..... 26 hours

MAT 124* or 124H; 214; 224 or 224H; 285, 301, 308, 334, 380.

Options

Mathematics Teaching.....10 hours

MAT 225 or 225H; 315, three hours of courses chosen from: CSC 300, 320, STA 370, 520, 521, and any MAT course numbered 300 or above (except for 303, 349, 501, or 502).

Computer Science/Mathematics Teaching.....15 hours

CSC 160, 190, 191, 310, 330.

All courses must be completed with a grade of at least "C-". At least five upper-division courses which satisfy the major requirements must be completed at EKU.

Supporting Course Requirements 6-9 hours

Math Teaching9 hours

CSC 104; CSC 160, 177, 190 or ~~Three hours of an approved programming language; STA 270 320.~~

Computer Science/Mathematics Teaching..... 6 hours

CSC 104, STA 320.

All courses must be completed with a grade of at least a "C-".

Professional Education Requirements 31 hours

EDF 103, 203, 319, 413, SED 401, ESE 450, 490, 499.

General Education Requirements 43 hours

Standard General Education program, excluding course categories 03, 04 and 21. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

University Requirements 1 hour

ASO 100.

Free Electives6-8 hours

Total Curriculum Requirements 128 hours

* A preparatory course in mathematics (MAT 109) may be required before admission to calculus.