

PROPOSED REVISION OF MATHEMATICS WITH TEACHER CERTIFICATION MAJOR (B.A.)

Mathematics with Teacher Certification Option

A major in Mathematics (BA with Teacher Certification) prepares students to become secondary (9-12) teachers in the state of Illinois.

This major requires that students follow and meet the requirements for Admission, Retention and Graduation from Teacher Certification programs as described in the “Teacher Certification Programs” section of this catalog and as explained at the University Admission to Teacher Education Meeting which all students must attend. Students should gain University Approval to Take Teacher Education Courses no later than the end of their first semester Junior year in order to use this suggested plan. Additional information on Admission, Retention and Graduation for Teacher Certification programs can be found on the College of Education & Professional Studies website at www.eiu.edu/ceps/teached.

All students must pass the Illinois Certification Test of Basic Skills for selection into teacher education and should complete this requirement no later than their sophomore year.

Students must receive a “C” or better in all professional education courses and maintain a minimum cumulative and major GPA of 2.65 in order to continue in the program.

Students have two options for completing the professional education coursework – Regular Secondary Education Program and Integrated Secondary Education Program (ISEP). For more information regarding these two options, please consult with your advisor. Information is also available in the Teacher Certification Program section of this catalog.

For students also wanting to be eligible to teach middle school mathematics, additional Middle Level Education courses are required.

The program is made up of:

1. 50 Hours in Mathematics Courses

Deleted: 49

MAT 1441G - Calculus and Analytic Geometry I. Credits: 5

MAT 2170 - Computer Science I. Credits: 4

Deleted: 3

MAT 2270 - Technology in Mathematics. Credits: 3

MAT 2442 - Calculus and Analytic Geometry II. Credits: 5

MAT 2443 - Calculus and Analytic Geometry III. Credits: 4

MAT 2550 - Introduction to Linear Algebra. Credits: 3

MAT 2800 - Foundations of Mathematics. Credits: 3

MAT 3271 - College Geometry I. Credits: 3
MAT 3272 - College Geometry II. Credits: 3
MAT 3400 - Teaching Secondary Mathematics. Credits: 4
MAT 3530 - Abstract Algebra. Credits: 4
MAT 3701 - Probability and Statistics I. Credits: 3
MAT 3702 - Probability and Statistics II. Credits: 3
MAT 4900 - History of Mathematics. Credits: 3

2. 25-31 Hours in the Professional Education Core

For the Regular Program

EDF 2555 - Diversity of Schools and Societies: Social and Global Perspectives. Credits: 3
EDF 4450 - Philosophy and History of Education. Credits: 3
EDP 3331 - Theories of Learning and Development for Secondary Teachers. Credits: 3
SED 2000 - Inquiry Into Teaching. Credits: 1
SED 3330 - Instructional Tasks in the Secondary School. Credits: 3
SPE 3500 - The Education of Individuals with Exceptional Learning Needs: Access to the General Curriculum. Credits: 3
STG 4000 - Multicultural/Disabilities Practicum. Credits: 1
STG 4001 - Student Teaching. Credits: 12-16

Or for the ISEP

EDF 2555 - Diversity of Schools and Societies: Social and Global Perspectives. Credits: 3
SED 2000 - Inquiry Into Teaching. Credits: 1
SED 3000 - ISEP Level I. Credits: 3
SED 3100 - ISEP Level II. Credits: 3
SED 4000 - ISEP Level III. Credits: 3
STG 4001 - Student Teaching. Credits: 12-16

3. Additional Hours in General Education to Complete the University Requirement

Footnotes:

Major GPA based on all mathematics courses taken at EIU.

Students must complete all the professional education coursework under either the Regular Secondary Education Program or the Integrated Secondary Education Program.

Rationale: MAT 2170 will increase from 3 to 4 hours. The topics covered in the course will not change, but developments in programming languages and environments have

introduced significant overhead which is difficult to cover within the framework of two lecture hours.

Effective date: Fall 2006

Approved by the Mathematics and Computer Science Dept.: October 24, 2005

Approved by the College of Sciences Curriculum Committee: November 11, 2005

Approved by the Council on Teacher Education: