

**PROPOSED REVISION IN MATHEMATICS MAJOR WITH TEACHER CERTIFICATION OPTION (B.A.)**

(Changes indicated in red)

A major in Mathematics (B.A. with Teacher Certification) prepares students to become secondary (9-12) teachers in the state of Illinois. The program is made up of 1) 40 hours of general education (including MAT 1441G); 2) 25-31 hours in the professional education core: SED 2000, EDF 2555, SED 3330, EDP 3331, SPE 3500, EDF 4450, STG 4000, 4001 for the regular program or SED 2000, EDF 2555, SED 3000, 3100, 4000, STG 4001 for the ASEP; 3) ~~48-49~~ hours in Mathematics courses for the major: MAT 1441G(or 1440G), 2170, ~~2270~~, 2442, 2443, 2550, 2800, 3271, 3272, 3400, 3530, 3701, 3702, 4900; and 4) ~~6-15~~ hours of electives. For students also wanting to be eligible to teach middle school mathematics, additional Middle Level Education courses are required.

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 must 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/tached](http://www.eiu.edu/ceps/tached).

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. Courses requiring a "C" or better are identified in the suggested plan by a →.

Students have two options for completing the professional education coursework – Regular Secondary Education Program and Alternative Secondary Education Program (ASEP). The required courses under these two options are identified below with the designations of R and A respectively. 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.

First Year		Second Semester	
First Semester	Hours	Courses	Hours
→ENG 1001G	3	→ENG 1002G	3
→MAT 1441G	5	GEN ED Diversity	3
GEN ED elective	3	MAT 2442	5
GEN ED elective	3	MAT 2170	3
		<del>MAT 2270</del>	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>17</b>

Second Year		Third Semester	
First Semester	Hours	Courses	Hours
→SPC 131	1	→SED 2000 (R,A)	1
MAT 2443	4	→EDF 2555 (R, A)	3
MAT 2550	3	MAT 2800	3

**Rationale:**

The new State of Illinois teaching standards require additional mastery of using technology in the content areas. The Technology Standards for All Illinois Teachers requires numerous content and performance standards in the teaching field. The department examined a number of instructional models to meet the standards. The recommendation is a required 3 semester hour course, MAT 2270.

PLS 1153G	3	GEN ED elective	3-4
GEN ED elective	3	GEN ED elective	3
		Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16-17</b>

Selection to Teacher Education programs should occur following the freshman year but no later than the end of the sophomore year (for transfer students this should occur no later than the end of their first semester at EIU). Selection requires that students pass the Illinois Certification Test of Basic Skills.

Third Year		Second Semester	
First Semester	Hours	Courses	Hours
→SED 3000 (A)	3	→SED 3100 (A) <sub>1</sub>	3
MAT 3530	4	→SED 3330 (R) <sub>1</sub>	3
MAT 3271	3	→EDP 3331 (R) <sub>1</sub>	3
MAT 3701	3	→SPE 3500 (R) <sub>1</sub>	3
GEN ED Elective	3-4	MAT 3272	3
		MAT 3702	3
		ELECTIVE	0-6
<b>Total</b>	<b>13-17</b>	<b>Total</b>	<b>15</b>

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University Approval to Take Teacher Education Courses should occur at the end of the first semester junior year with Formal University Admission to Teacher Education occurring at the end of the junior year. See the Teacher Certification Program section of this catalog for more information.

Fourth Year		Second Semester	
First Semester	Hours	Courses	Hours
MAT 3400	4	STG 4000 ( R )	1
→EDF 4450 (R)	3	STG 4000 (A)	3
MAT 4900	3	STG 4001	12-14
SENIOR SEM	3		
ELECTIVE	3-6		
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

Departmental Approval to Student Teach must be granted prior to Student Teaching. Students must also pass the Illinois Certification Subject Area test for their major prior to student teaching.

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

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Mathematics Courses Required for Secondary (9-12) Teaching Certificate:	
MAT 1441G, 2170, <del>2270</del> , 2442, 2443, 2550, 2800, 3271, 3272, 3400, 3530, 3701, 3702, 4900	
<b>TOTAL</b>	<b>49 sem. hrs.</b>

(Major GPA-based on all mathematics courses taken at EIU.)

Deleted: Elective

→ Requires a "C" or better

R Required for Regular Secondary Education Program

A Required for Alternative Secondary Education Program

1 Requires University Approval to Take Teacher Education Courses

The curriculum of MAT 2270 is designed to meet all the technology standards not met in current courses. The new State of Illinois teaching standards require additional mastery of using technology in the content areas. The Technology Standards for All Illinois Teachers requires numerous content and performance standards in the teaching field. The department examined a number of instructional models to meet the standards. The recommendation is a required 3 semester hour course, MAT 2270.

The curriculum of MAT 2270 is designed to meet all the technology standards not met in current courses.

Effective date: Fall 2004

Date approved by the department: April 14, 2003

Date approved by the College of Sciences Curriculum Committee: May 2, 2003

Date approved by COTE: