

### **Proposed Change to the Mathematics Minor for Teacher Licensure program**

The Department of Mathematics and Computer Science proposes to remove the following courses from the mathematics minor for teacher licensure program.

CSM 2170 – Computer Science I

MAT 2550 – Linear Algebra

MAT 3530 – Abstract Algebra

The state (for a number of years) has only required 18 credits for an endorsement in a content area when a major content area for teacher licensure has been completed. A candidate must also pass the state licensure test in that content area. Further, the state makes no recommendation as to what content courses count toward licensure in the endorsement area.

Currently our teacher licensure minor requires 34\* credits, which while we believe the program certainly prepares candidates, it is too many credits to be a viable option for nearly all students. Additionally, the state revised the content assessment in mathematics and our minor currently over emphasizes two content areas that are no longer emphasized to the same degree on the assessment. Additionally, computer science is its own endorsement area and we will have a separate minor for teacher licensure in that program.

The proposed program, which is still 5 credits over the state requirement, we believe prepares the candidate, puts them in a position to pass the licensure test, and makes the option a viable option to those seeking an endorsement.

\*the catalog incorrectly lists 35 credits.

### Current

#### **Mathematics Minor for Teacher Licensure**

Completion of a teacher licensure minor does not guarantee that the individual will be granted an endorsement to teach in that field. Individuals must meet all requirements (including state tests) as set forth by the Illinois State Board of Education to be granted an endorsement in a second teaching field.

### **Minor**

#### **Semester Hours required for the Mathematics Minor for Teacher Licensure:**

##### **35 semester hours**

- MAT 1441G - Calculus and Analytic Geometry I. Credits: 5
- CSM 2170 - Computer Science I. Credits: 4
- MAT 2270 - Technology in Mathematics. Credits: 3
- MAT 2400 - Introduction to Teaching Secondary Mathematics. Credits: 1
- MAT 2442 - Calculus and Analytic Geometry II. Credits: 5
- MAT 2550 - Introduction to Linear Algebra. Credits: 3
- MAT 2800 - Foundations of Mathematics. Credits: 3
- MAT 3271 - College Geometry I. Credits: 3
- MAT 3400 - Teaching Secondary Mathematics. Credits: 3
- MAT 3530 - Abstract Algebra. Credits: 4

### Proposed

#### **Mathematics Minor for Teacher Licensure**

Completion of a teacher licensure minor does not guarantee that the individual will be granted an endorsement to teach in that field. Individuals must meet all requirements (including state tests) as set forth by the Illinois State Board of Education to be granted an endorsement in a second teaching field.

#### **Semester Hours required for the Mathematics Minor for Teacher Licensure:**

##### **23 35 semester hours**

- MAT 1441G - Calculus and Analytic Geometry I. Credits: 5
- ~~CSM 2170 - Computer Science I. Credits: 4~~
- MAT 2270 - Technology in Mathematics. Credits: 3
- MAT 2400 - Introduction to Teaching Secondary Mathematics. Credits: 1
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- MAT 3271 - College Geometry I. Credits: 3
- MAT 3400 - Teaching Secondary Mathematics. Credits: 3
- ~~MAT 3530 - Abstract Algebra. Credits: 4~~

**Department/School Curriculum Committee: 8/27/21**

**College Curriculum Committee: 9/8/21**

**Council on Teacher Education:**