



# Elementary Education, B.S. *major*

## Mathematics Endorsement (Teacher Licensure)

Program Learning Outcomes | Elementary Education, B.S. major  
Mathematics Endorsement (Teacher Licensure)

Required Credits: 78  
Required GPA: 2.50

### I ELEMENTARY EDUCATION FOUNDATION COURSES

Complete the following courses:

- ED 3100 Introduction to the Foundations of Public School Education (3 credits)
- ED 3110 Educational Psychology (3 credits)
- ED 3140 Human Diversity and Educational Equity (3 credits)
- ED 3350 Principles and Strategies of Teaching (3 credits)
- ED 3780 Inclusive Teaching and Classrooms (3 credits)
- ED 4799 The Professional Teacher (1 credit)
- HLTH 3400 Health and Drugs in Society (2 credits)

Complete the following course, up to 12 credits:

- ED 4820 Student Teaching - Elementary (1-16 credits)

### II ELEMENTARY EDUCATION MAJOR COURSES

Complete the following courses:

- ED 3201 Language Arts I (3 credits)
- ED 3202 Language Arts II (3 credits)
- ED 3203 Language Arts III (3 credits)
- ED 3221 Elementary Math Methods (3 credits)
- ED 3222 Elementary Science Methods (3 credits)
- ED 3240 Social Studies in the Elementary School (3 credits)
- ED 3310 Creative Arts in Education (3 credits)
- HLTH 4100 Teaching Elementary School Health (2 credits)
- PHED 4200 Methods of Teaching Elementary Physical Education to Classroom Teachers (1 credit)

Complete the following course:

- MATH 1011 Mathematics for Elementary School Teachers I (3 credits)

Complete the following course:

- MATH 1013 Mathematics for Elementary School Teachers II (3 credits)

### MATHEMATICS ENDORSEMENT

Endorsement Core:

- ED 4737 Content Area Reading (3 credits)
- ED 3417 Teaching and Learning in the Middle School (3 credits)
- ED 4840 Student Teaching - Special Fields (1-12 credits)

Complete the following courses:

- MATH 3065 Mathematical Foundations of Algebra (4 credits)
- MATH 3066 Geometry and Technology (4 credits)
- MATH 3067 Data, Probability, and Statistics (4 credits)

### PROFESSIONAL EDUCATION COURSES MUST BE COMPLETED

+++++

8710.2000 Standards of Effective Practice:  
<https://www.revisor.mn.gov/rules/8710.2000/>

8710.3200 Teachers of Elementary Education:  
<https://www.revisor.mn.gov/rules/8710.3200/>

8710.3320 Middle Level Endorsement License for Teachers of Mathematics:  
<https://www.revisor.mn.gov/rules/8710.3320/>