

# MINOR IN MATHEMATICS WITH TEACHER CERTIFICATION

## Middle School Level Certification

Plans must include the following courses or approved substitutes.

### Minor in Mathematics with Middle School Level Certification

|             |                                |    |
|-------------|--------------------------------|----|
| MATH 1384   | Intro To Foundations Of Math I | 3  |
| MATH 1385   | Intro Foundations Of Math II   | 3  |
| MATH 2384   | Functions And Graphs           | 3  |
| MATH 2385   | Fundamentals Of Calculus       | 3  |
| MATH 3380   | Historical Perspec of Math     | 3  |
| MATH 3383   | Geometric Meas./Transformation | 3  |
| MATH 3384   | Foundations Of Mathematics     | 3  |
| MATH 3386   | Fundmtls Probability/Stats     | 3  |
| MATH 3387   | Problem Solving-Middle Sch Mth | 3  |
| Total Hours |                                | 27 |

The following certifications are available for students who wish to teach in middle school: 4-8 Mathematics and 4-8 Mathematics/Science. Detailed four-year plans are located in the College of Education section of this catalog.

## Secondary Level Certification

Plans must include the following courses or approved substitutes.

### Minor in Mathematics with Secondary Level Certification

|             |                                |    |
|-------------|--------------------------------|----|
| MATH 1420   | Calculus I                     | 4  |
| MATH 1430   | Calculus II                    | 4  |
| MATH 3300   | Introduction To Math Thought   | 3  |
| MATH 3363   | Euclidean Geometry             | 3  |
| MATH 3377   | Intro To Linear Alg & Matrics  | 3  |
| MATH 3379   | Statistical Mthods In Practice | 3  |
| MATH 4384   | Survey Of Mathematical Ideas   | 3  |
| MATH 4385   | Mathematical Problem Solving   | 3  |
| Total Hours |                                | 26 |

## Teacher Certification

In addition to the listed degree requirements, the following courses must be completed for teacher certification. Several of these courses may be taken as electives or to partially complete existing degree requirements.

### Minor in Mathematics with Teacher Certification

|             |                                |    |
|-------------|--------------------------------|----|
| CISE 3383   | Planning Instr With Tech Intgr | 3  |
| CISE 3384   | The Teaching Profession        | 3  |
| CISE 4364   | Mth Tch Secondary Schools      | 3  |
| CISE 4380   | Respon Of Pro Educator         | 3  |
| CISE 4394   | Creatng Env For Lrng-Secondary | 3  |
| CISE 4396   | Std Tch Secondary Classroom    | 3  |
| CISE 4397   | Std Tch Secondary Classroom    | 3  |
| READ 4320   | Content Area Reading & Writing | 3  |
| Total Hours |                                | 24 |