

CATALOG YEAR _____

(Please use separate form for each add/change)

COLLEGE/ SCHOOL : _____

Current Catalog Page(s) Affected _____

Program: Delete: ___ Add: ___ Change: x Attach new/changed Program of Study description and 4-year plan. If in current online catalog, provide change and attach text with changes in red.

Justification:

The change of 8-12 grade certification to 7-12 grade certification is needed to comply with the state requirement. Meantime, previous 46 SCH major and 124 SCH total semester credit hours in 8-12 grade certification are reduced to 33 SCH major and 120 SCH semester credit hours in 7-12 grade certification.

New

Degree Requirements for the BA with a Major in Mathematics with 7th - 12th Grade Certification

1. **Hours Required:** A minimum of **120** semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "[Requirements for Graduation](#)" section of this catalog.
2. **University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the "[Requirements for Graduation](#)". MATH 2371 must be taken as part of the core.
3. **Major:** **33** SCH and the 1 SCH excess of Mathematics taken as part of the core; MATH [2414](#), [2415](#), [3310](#), [3325](#); [3330](#), [3360](#), [3365](#), [4310](#), [4335](#), [4390](#).
4. **Professional Development:** **23** SCH including: EDCI [1102](#), [2210](#), [3224](#), [3301](#), [3302](#), [3315](#), [4310](#), and [4693](#).
5. **Support Area:** **6** SCH of EDRD [3320](#) and EDSE [4350](#).
6. **General Elective:** **3** SCH of General Electives are chosen from courses offered by the College of Arts.
7. **Advanced Math Elective:** **3** SCH.
8. **Computer Science:** **4** SCH of COSC [1136](#), and [1336](#).
9. **Foreign Language/Study Abroad:** **6** SCH.

**B.A. with a Major in Mathematics with 7th – 12th Grade Certification
Spring**

<p>Freshman Year</p> <p>3 ENGL 1301 English Composition I 3 HIST 1301 The U.S. to 1877 4 MATH 2413 Calculus I 4 Natural Science 1 Activity/Wellness</p> <p>15</p>	<p>Freshman Year</p> <p>3 ENGL 1302 English Composition II 3 HIST 1302 The U.S. Since 1877 4 MATH 2414 Calculus II 3 Visual & Performing Arts 4 Natural Science 1 EDCI 1102 Intro to Teaching Profession</p> <p>18</p>
<p>Sophomore Year</p> <p>3 PSCI 2305 American National Gov't 4 MATH 2415 Calculus III 3 ENGL 23xx Survey of Literature 2 EDCI 2210 Foundations of Education 3 PSYC 2314 Life Span Growth & Develop.</p> <p>15</p>	<p>Sophomore Year</p> <p>3 MATH 2371 Communication in Mathematics 3 MATH 3330 Ordinary Differential Equations 3 COSC 1336 Fundamentals of Programming 1 COSC 1136 Fundamentals of Programming Lab 3 PSCI 2306 American State Government 2 EDCI 3224 Teaching in Diverse Schools*</p> <p>15</p>
<p>Junior Year</p> <p>3 MATH 3360 Discrete Mathematics 3 MATH 3360 Statistical Analysis 3 MATH 3310 Introduction to Linear Algebra 3 Foreign Language or Study Abroad 3 EDCI 3301 Assessment of Instructional Design 3 EDCI 3302 Teaching English Lang. Learners</p> <p>18</p>	<p>Junior Year</p> <p>3 MATH 4335 Advanced Calculus 3 MATH 4310 Abstract Algebra 3 MATH 3325 Geometry 3 Foreign Language or Study Abroad 3 EDRD 3320 Content Reading</p> <p>15</p>
<p>Senior Year</p> <p>3 MATH 4390 Math Middle/High School 3 General Elective 3 General Advanced Elective 3 EDCI 3315 Effective Instruction for Diverse Pop 3 EDCI 4310 Engaging Learners</p> <p>15</p>	<p>Senior Year</p> <p>3 EDSE 4350 Inclusive Practices for Exceptional Children 6 EDCI 4693 Student Teaching**</p> <p>9</p>

120 Hours

*Students must apply for admission to the College of Education while enrolled in EDCI 3324. Entrance into additional education courses depends on acceptance into the college. Because COED requires completion of the core curriculum as an admission requirement, the sequence of courses in the old degree plan had to be changed significantly.

**Students are admitted into student teaching only after passing the certification exam to teach secondary Mathematics.

Changed on 8-12 grade certification

Degree Requirements for the BA with a Major in Mathematics with Grades 8-12 Certification

1. **Hours Required:** A minimum of **1240** semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the “[Requirements for Graduation](#)” section of this catalog.
2. **University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the “[Requirements for Graduation](#)”. MATH [2371](#) must be taken as part of the core.
3. **Major:** **4633** SCH and the 1 SCH excess of Mathematics taken as part of the core; ~~COSC-1136, 1336~~, MATH [2414](#), [2415](#), [3310](#), [3325](#); [3330](#), [3360](#), [3365](#), [4310](#), [4335](#), and [4390](#). ~~and 9 SCH selected from any 4000-level MATH courses.~~
4. ~~**Supporting Field:** 12 SCH in one discipline defined as a major or minor. The student must develop a plan of study for the supporting field (to include a list of courses and a justification essay that describes how the discipline and the selected plan will support mathematics) in collaboration with a faculty member from the discipline.~~
5. **Professional Development:** **213** SCH including: EDCI ~~3301~~1102, ~~3302~~2210, ~~3304~~3224, ~~4993~~3301, 3302, 3315, 4310 and ~~4324~~4693.
6. **Support Area:** **36** SCH of EDRD [3320](#) and EDSE 4350.
7. **General Elective:** **3** SCH of General Electives are chosen from courses offered by the College of Arts.
8. **Advanced Math Elective:** **3** SCH.
9. **Computer Science:** **4** SCH of COSC [1136](#), and [1336](#).
10. **Foreign Language/Study Abroad:** **6** SCH.

B.A. with a Major in Mathematics with 87th – 12th Grade Certification

<p>Freshman Year</p> <p>3 ENGL 1301 English Composition I 3 HIST 1301 The U.S. to 1877 4 MATH 2413 Calculus I 4 Natural Science 1 Activity/Wellness</p> <p>15</p>	<p>Freshman Year</p> <p>3 ENGL 1302 English Composition II 3 HIST 1302 The U.S. Since 1877 4 MATH 2414 Calculus II 3 Visual & Performing Arts 4 Natural Science 1 EDCI 1102 Intro to Teaching Profession</p> <p>178</p>
<p>Sophomore Year</p> <p>3 PSCI 2305 American National Gov't 4 MATH 2415 Calculus III 3 ENGL 23xx Survey of Literature 2 EDCI 2210 Foundations of Education 3 PSYC 2314 Life Span Growth & Develop. 3 COSC 1336 Fundamentals of Programming 1 COSC 1136 Fundamentals of Programming Lab 3 MATH 2731 Communications in Mathematics</p> <p>175</p>	<p>Sophomore Year</p> <p>3 MATH 2371 Communication in Mathematics 3 MATH 3330 Ordinary Differential Equations 3 COSC 1336 Fundamentals of Programming 1 COSC 1136 Fundamentals of Programming Lab 3 PSCI 2306 American State Government 2 EDCI 3224 Teaching in Diverse Schools* 3 MATH 3360 Statistical Analysis 3 Soc/Behavioral Science 3 MATH 3365 Discrete Mathematics</p> <p>15</p>
<p>Junior Year</p> <p>3 MATH 3365 Discrete Mathematics 3 MATH 3360 Statistical Analysis 3 MATH 3310 Introduction to Linear Algebra 3 Foreign Language or Study Abroad 3 EDCI 3301 Assessment of Instructional Design 3 EDCI 3302 Teaching English Lang. Learners 3 MATH 4335 Advanced Calculus 3 EDRD 3320 Content Reading 3 Supporting Field 3 Supporting Field</p> <p>158</p>	<p>Junior Year</p> <p>3 MATH 4335 Advanced Calculus 3 MATH 4310 Abstract Algebra 3 MATH 3325 Geometry 3 Foreign Language or Study Abroad 3 EDRD 3320 Content Reading 3 MATH 4000 Advanced Math Elective 3 EDCI 3301 Thry&Pract Public School Tchg 3 EDCI 3302 Language Acq&Develop 3 Supporting Field</p> <p>185</p>
<p>Senior Year</p> <p>3 MATH 4390 Math Middle/High School 3 General Elective 3 General Advanced Elective 3 EDCI 3315 Effective Instruction for Diverse Pop 3 EDCI 4310 Engaging Learners 3 MATH 4000 Advanced Math Elective 3 MATH 4000 Advanced Math Elective 3 EDDP Teaching Div Stu Pop 3 EDCI 3304 Methods Mgt&Discipline - -</p> <p>15</p>	<p>Senior Year</p> <p>3 EDSE 4350 Inclusive Practices for Exceptional Children 6 EDCI 4693 Student Teaching** 3 MATH 4390 Math Middle/High School 9 EDCI 4993 Student Teaching</p> <p>129</p>

1240 Hours

Approvals:

Signature

Date

Chair

Department Curriculum Committee

Chair

Department

Chair

College Curriculum Committee

Dean
