

2011 - 2013

## Secondary Education

### Mathematics

Code: 2670

Bachelor of Science

#### Freshman Year

ENGL	101	Intro. to Academic Writing	3	ENGL	102	Writing/Research Culture	3
EDCI	100	Orientation to Teacher Edu	3	EDFL	201	Teaching, Learning, Growth	3
EDFL	106	Introduction to Education	3	MATH	301	Calculus II	4
MATH	270	Calculus I <sup>1</sup>	4	Elective <sup>2</sup>		Science	3
Elective <sup>3</sup>		BHSC	3	UNIV	200	Information Literacy	2
			<u>16</u>				<u>15</u>

#### Sophomore Year

ENGL		Literature Elective	3	CMCN	310	Public Speaking	3
HIST	221/222	United States to/from 1877	3	MATH	327	Proportional Reas. & Prob.Solve	3
MATH	320	History of Mathematics	3	MATH	360	Fundamentals of Math	3
SPED	391	Foundations Inclusive Educ.	3	PSYC	312	Adolescent Psychology	3
Elective <sup>2</sup>		Science	3	Elective <sup>2</sup>		Science	3
			<u>15</u>				<u>15</u>

#### Junior Year

EDCI	450	Classrm Mgmt/Instr Design	3	EDCI	352	Middle School Math Methods	3
MATH	362	Elementary Linear Algebra	3	EDCI	427	Teaching in Diverse Society	3
READ	410	Reading in the Content Area	3	EDFL	456	Classroom Assessment	3
STAT	325	Introduction to Statistics	3	IREC	320	Technology in Classroom	3
Elective <sup>5</sup>			3	MATH	414	Number Theory/Abstract Algebra	3
Elective <sup>4</sup>		Arts & Humanities	3	MATH	430	College Geometry	3
			<u>18</u>				<u>18</u>

#### Senior Year

EDCI	452	Sec School Math Methods	3	EDCI	479	Student Teaching Secondary	9
EDCI	469	Adv Field Experience Sec.	1				<u>9</u>
MATH	413	Problem Solving/Teacher	3				
THEA	300	Activities in Dramatics	3				
Elective <sup>5</sup>			4				
			<u>14</u>				

**Total: 120**

- 1 An ACT score of 28 or higher is required for MATH 270.
- 2 9 hours of science, which must include at least 3 hours of Biology and 3 hours of Chemistry, Geology, or Physics. Six of the 9 hours must be in the same science; credit cannot be awarded for both GEOL 225 and GEOL 105.
- 3 Behavioral Science elective chosen from ANTH, CJUS, ECON, GEOG, POLS, PSYC or SOCI
- 4 Arts or Humanities course as approved by advisor.
- 5 Additional courses at the 3xx/4xx in certification focus area or coursework in one other subject area leading to an "add-on" endorsement in another area when 30 credits or more are earned.

**Praxis Exam Requirements:** Students must pass the Praxis I PPST exams (Reading, Writing, Math) or submit an ACT composite score of 22 or higher. Students must also pass the required Praxis content exam in Mathematics (061) and the PLT exam 0524 prior to Student Teaching.