

# Mathematics Teaching Major 2016-2017

## Secondary Education Certification

### Required Coursework

<u>Semester 1</u>		<u>Semester 2</u>
MATH 131, C-QR		CSCI 110, C-QR
EDUC 125		MATH 132
EDUC 130, C-EI		PHIL 120, C-PF
THRS 117, C-TF		Elective/Minor/Core

<u>Semester 3</u>		<u>Semester 4</u>
Sophomore Block		MATH 250
EDUC 223		MATH 321
EDUC 250		Elective/Minor/Core
EDUC 252		Elective/Minor/Core
EDUC 254		
EDUC 281		
EDUC 351		
MATH 233		

<u>Semester 5</u>		<u>Semester 6</u>
Junior Block		EDUC 352
EDUC 330		MATH 306
EDUC 332		MATH 350
EDUC 333		Elective/Minor/Core
EDUC 334		
MATH 250		
Elective/Minor/Core		

<u>Semester 7</u>		<u>Semester 8</u>
MATH Elective		EDUC 450
MATH Elective		EDUC 455
Elective/Minor/Core		MATH 499 (0cr)
Elective/Minor/Core		

### Requirement Checklist

- ☐ CSCI 110 Introduction to Computer Programming, C-QR
- ☐ MATH 131 Calculus and Analytical Geometry 1, C-QR
- ☐ MATH 132 Calculus and Analytical Geometry 2
- ☐ MATH 233 Calculus and Analytical Geometry 3
- ☐ MATH 250 Advanced Foundations of Mathematics
- ☐ MATH 306 Abstract Algebra
- ☐ MATH 321 Probability and Statistics
- ☐ MAT 350 Modern Geometry
- ☐ MATH 499 Senior Exam (0cr)
- ☐ MATH 300+ Elective \_\_\_\_\_
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### Education Coursework:

- ☐ EDUC 125 Foundations of US Education
- ☐ EDUC 130 Psychology for Teaching, C-IS
- ☐ EDUC 223 Instructional Technology (2cr)
- ☐ EDUC 250 Pre-Student Teaching Experience, Secondary School (2cr)
- ☐ EDUC 252 The Comprehensive High School (2cr)
- ☐ EDUC 254 Instructional Methodologies for Adolescents (2cr)
- ☐ EDUC 281 Teaching Children with Disabilities (2cr)
- ☐ EDUC 330 The Early Adolescent: Classroom Management (2cr)
- ☐ EDUC 332 The Adolescent: Psychology and Methods in the Middle School (2cr)
- ☐ EDUC 333 The Early Adolescent: Assessment (2cr)
- ☐ EDUC 334 Middle School Field Experience (2cr)
- ☐ EDUC 351 Reading and Language Arts Across Content Areas
- ☐ EDUC 352 Advanced Reading in Content Areas(2cr)
- ☐ EDUC 450 Student Teaching: Early Adolescence
- ☐ EDUC 455 Student Teaching: Adolescence
- ☐ SSCI 301 Environment and Society, C-AD/PN or
- ☐ ENV 300 Environmental Science, C-AD/PN
- ☐ SSCI 408 Social Inequalities: Race and Minority Relations, C-AD/DD