

MATHEMATICS: SECONDARY EDUCATION
2015-2016 Election of Major

Name _____ ID # _____

Planned Degree Completion Date: Mo. _____ Yr. _____

Check Degree Plan: _____ BA _____ BS

MATHEMATICS REQUIREMENTS

Analytic Geometry and Calculus

MATH 121	Calculus I	C-1Q	(4) _____
MATH 122	Calculus II		(4) _____
MATH 231	Multivariable Calculus		(4) _____
MATH 421	Real Analysis		(3) _____

Abstract and Linear Algebra

MATH 251	Linear Algebra I		(4) _____
MATH 433	Algebraic Structures		(4) _____

Probability and Statistics

MATH 240	Mathematical Statistics		(4) _____
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Geometry (including non-Euclidean and transformational)

MATH 306	Geometry		(3) _____
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Mathematical Models, Applied Mathematics or Computer Science

MATH 130	Discrete Mathematics		(4) _____
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Senior Research

MATH 440	Secondary Mathematics Methods (W)		(3) _____
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Electives

Six semester hours from:

MATH 233	Scientific Computing		(3) _____
MATH 245	Ordinary Differential Equations		(3) _____
MATH 330	Operations Research Models		(3) _____
MATH 340	Linear Algebra II		(3) _____
MATH 380	Special Problems		(1-3) _____
MATH 385	Seminar		(1-3) _____
ECON 350	Econometrics		(3) _____
CPTR 310	Algorithms and Data Structures		(3) _____

PROFESSIONAL EDUCATION

EDUC 108	Exploring Teaching and Learning		(2) _____
EDUC 211	The Exceptional Learner		(4) _____
EDUC 237	Educational Psychology	C-4HD	(4) _____
EDUC 245	Educational Assessment		(4) _____
EDUC 342	Literacy in the Content Area		(4) _____
EDUC 357	Classroom Management/Conflict Resolution		(4) _____
EDUC 362	Literacy and English Language Learners		(2) _____
EDUC 444	Methods for Secondary Education		(4) _____
EDUC 410	The Teacher in Today's School		(2) _____
EDUC 475	High School Student Teaching		(7) _____
EDUC 477	Jr High/Middle School Student Teaching		(6) _____

CORE Program

1 Foundational Skills (WOQ)

1FS: First Year Seminar	(4) _____
1O: COMM 110 Found of Human Communication	(3) _____

1Q: MATH 121 Calculus I	X
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2 Physical Activity and Wellness

2PA: PE 101 _____	(.5) _____
PE 101 _____	(.5) _____
PE 105 _____	(.5) _____
PE 105 _____	(.5) _____

3 Integration Into the World (3 courses)

3RC: Responsible Citizenship _____	() _____
3GC: Global Connections: _____	(3) _____
3RC or 3GC: _____	(3) _____

4 Ways of Knowing (9 courses)

Philosophical, Religious and Creative Inquiry (1 course in each category)

4RL: Religion _____	() _____
4PH: Philosophy _____	() _____
4AR: Visual and Performing Arts _____	() _____
4LT: Literature _____	() _____
Human Behavior and Institutions (3 courses, each in a different discipline)	
4HD: EDUC 237	X
4H __: _____	() _____
4H __: _____	() _____
Natural World (2 courses, each in a different discipline)	
4N __: _____	() _____
4N __: _____	() _____

5 Synthesis & Critical Connections (1 course & VIA)

5CC: Critical Connections: INTD _____	() _____
VIA (see requirements in <i>Catalog</i>) up to (2) credits	_____

Electives:

_____	() _____
_____	() _____

(A minimum of 128 credit hours required for graduation.) **TOTAL** _____

Bachelor of Arts requirements: Intermediate language proficiency at 200 level

_____ Yes _____ No

Required Signatures:

Student: *I understand that I have final responsibility for monitoring my graduation requirements.*

Student: _____ Date _____

Advisor: _____ Date _____

Dept. Chair: _____ Date _____

Dir. of Teacher Educ: _____ Date _____