

**MATHEMATICS: SECONDARY EDUCATION
2019-2020 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) _____
MATH 214	History of Mathematics	(3) _____
CPTR 310	Algorithms and Data Structures	(3) _____

PROFESSIONAL EDUCATION

EDUC 111	Exploring Teaching and Learning	(3) _____
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

1FS: FYS First Year Seminar	(3) _____
1FS: FYE First Year Experience	(1) _____
1O: COMM 110 Found of Human Communication	(3) _____
1Q: MATH 113 or 115 or 121 or 210	(3) _____

2 Physical Activity and Wellness

PE 106: Fitness Decisions for a Healthy Lifestyle	(1) _____
PE Activity _____	(.5) _____
PE Activity _____	(.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 120 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 _____