

**MATHEMATICS: SECONDARY EDUCATION  
2016-2017 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 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 (WOQ)**

1FS: First Year Seminar	(4) _____
1O: COMM 110 Found of Human Communication	(3) _____
1Q: MATH 121 Calculus I	X

**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 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 \_\_\_\_\_**