MATHEMATICS: SECONDARY EDUCATION
2017-2018 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) ___

Geometry (including non-Euclidean and transformational)
MATH 306  Geometry  (3) ___

Mathematical Models, Applied Mathematics or Computer Science
MATH 130  Discrete Mathematics  (4) ___

Senior Research
MATH 440  Secondary Mathematics Methods (W)  (3) ___

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 (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  (4) ___
PE 101  (4) ___
PE 105  (4) ___
PE 105  (4) ___

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 Catalog) 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 ______

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Bachelor of Science 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 ______