

**Degree Requirements - Bachelor of Science
Mathematics–Licensure 2018-2020 Catalog**

Name _____

Freshman English/Writing (6 hours)

- ____ ENG 1463 Freshman English A
____ ENG 1473 Freshman English B OR
____ ENG 1803 Freshman English *Honors*

Communication (3 hours)

- ____ COM 2013 Oral Communication

Physical Well-Being (1 hour)

Choose one:

- ____ HPR 1011 Life Fitness Concepts
____ HPR 1xxx PE activity
____ MSC1011 Introduction to ROTC
____ MSC1021 Introduction to Leadership
____ One or more years of active duty Military service
____ THA 2002 Ballet I
____ THA 2012 Theatre Dance I
____ THA 2772 Jazz Dance I
____ THA 4552 Modern Dance

Fine Arts and Humanities (6 hours)

Choose one:

- ____ ENG 2013 World Literature I
____ ENG 2023 World Literature II
____ ENG 2053 Studies in Literature
____ ENG 2793 Masters in Western Literature *Honors*

Choose one:

- ____ ART 2033 Humanities Art
____ ART2603 Humanities Studio Art
____ COM/MMC/THA 3423 Movie Appreciation &
 Enjoyment
____ HUM2093 Fine Arts *Honors*
____ MUS 2033 Humanities Music
____ MUS 4363/4373 Music History
____ THA 2033 Humanities Theatre Arts

Social Science (9 hours)

Choose one:

- ____ HIS 1013 Civilization to 1660
____ HIS 1023 Civilization since 1660
____ HIS 1043 Civilization since 1660 *Honors*

Choose one:

- ____ HIS 2053 United States to 1877
____ HIS 2063 United States since 1877
____ PSC 1013 American National Government
____ PSC 1263 American National Government *Honors*

Choose one:

- ____ ANT 2013 Introduction to Cultural Anthropology

- ____ CRJ 2013 Introduction to the Criminal Justice
 System
____ CRJ 2033 Introduction to Criminology
____ ECO 2013 Macroeconomics
____ ECO 2023 Microeconomics
____ GEO 1023 Introduction to Geography
____ GEO 2163 World Geography
____ PSC 1023 State and Local Government
____ PSY 1013 General Psychology
____ PSY 1073 General Psychology *Honors*
____ SOC 1013 Introduction to Sociology

Or other course listed in first two sections

Natural Sciences 8 hours

Choose one:

- ____ BIO 1013/1021 Intro to Biology **with Lab**
____ BIO 2104 General Botany
____ BIO 2114 General Zoology

Choose one:

- ____ CHM 1004 Intro to Chemistry
____ CHM 1014 University Chemistry I
____ CHM 1034 General Chemistry Non-Majors
____ CHM 1044 General Organic and Biochemistry
____ PHY 1024 Introduction to Astronomy
____ PHY 2034 General Physics I
____ PHY 2234 University Physics I

Nonwestern Culture (3 hours)

- ____ ANT 3043 North American Indians
____ ANT 3053 World Cultures
____ ART 3103 Art of the Nonwestern World
____ BIO 4044 Neotropical Ecology
____ EDU 4543 Teaching People of Other Cultures
____ ENG 3043 Nonwestern Literature
____ GEN 4083 Study Abroad Non-Western (requires
 travel)
____ GEO 3173 Geography of the Pacific
____ HIS 4673 Asian Civilizations
____ HIS 4683 The Modern Middle East
____ HIS 4693 African History
____ HPR 3973 History & Philosophy of Nonwestern
 Leisure, Culture Wellness & Sport
____ MUS 3473 Survey of Nonwestern Music
____ NSG 3643 Trans-cultural Health Care
____ PHI 3023 Religions of the World
____ PHI 4203 Asian Philosophy
____ PHY 4293 Nonwestern Cosmology
____ PSC 4233 Comparative Politics in the Middle East
____ PSC 4243 Comparative Politics in Africa
____ PSC 4253 South Asian Politics
____ PSY 3043 Cross-Cultural Psychology
____ PSY 3053 Multicultural Mental Health
____ SOC 3063 World Cultures

- ____ GEN 3083 Study Abroad Nonwestern World

Core Elective (3 hours)

Choose one:

- ____ FCS 2103 Nutrition
____ FRE 1013 French I (or higher)
____ GER 1013 German I (or higher)
____ HUM 2153 Intro/Women's and Gender Studies
____ MTH xxx3-6 (*not used in major*)
____ STA xxx3-6 (*not used in major*)
____ PHI 2013 Intro to Philosophy
____ PHI 2083 Introduction to Philosophy *Honors*
____ PHI 3113 Ethics
____ PHI 4043 Ancient Philosophy
____ PHI 4053 Modern Philosophy
____ SPA 1013 Spanish I (or higher)

***Or any other course listed in the Liberal Arts Core that
has not been used to fulfill any other category***

Writing Across the Curriculum (3 hours)

- ____ ENG 3613 Technical Writing

Writing Intensive (WI) Requirement Must pass with a
grade of "C" or better

Henderson Seminar (1 hour)

- ____ GEN 1031 Henderson Seminar (freshmen only)

Computer Science (4 hours)

- ____ CSC 1104 Foundations of Computer Science I
____ CSC 1104L Foundations of Computer Science I lab

Education (29 hours)

PLT Module I:

- ____ EDU 2423 Introduction to Education
____ EDU 2043 Educational Technology
____ EDU 2000L Teacher Education Orientation

PLT Module II:

- ____ SPE 3013 Psychology of Exceptional Child
____ EDU 3123 Educational Psychology

**PLT Module III (Must be admitted to teacher-ed
program)**

- ____ EDU 4402 Assessment and Measurement 7-12
____ EDU 4113 Classroom Management 7-12

Internship – Professional Semester:

- ____ EDU 4216 Teacher Internship-Math
____ EDU 4256 Teacher Internship-Clinical

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Mathematics (43 hours)

- _____ MTH 1294 Calculus I (fall, spring)
- _____ MTH 2044 Calculus II (fall, spring)
- { _____ STA 2054 Applied Biostatistics (fall, spring) OR
- _____ STA 2323 Statistical Methods (fall, spring) }
- _____ MTH 2283 Discrete Mathematics (fall, spring)
- _____ MTH 3573 Transition to Advanced Mathematics
(spring)
- _____ MTH 3023 (WI) Systems of Geometry I (fall)
- _____ MTH 3104 Calculus III (fall)
- { _____ MTH 3113 Linear Algebra (even spring) OR
- _____ MTH 3663 Applied Linear Algebra (odd spring) }
- _____ MTH 3163 Probability and Statistics I (fall)
- _____ MTH 3383 Math for Secondary Teachers (spring)
- _____ MTH 4133 (WI) Algebraic Structures (fall)
- _____ MTH 4893 Special Methods – Math (fall)
- _____ MTH 4901 (WI) Senior Project – Math (fall, spring)
- _____ Jr/Sr MTH or STA Elective (at least 3 hours)

Minimum total credit hours 120

Minimum Jr./Sr. hours 42