



Bachelor of Arts in Mathematics With Teaching Certificate

Fall 2019-Spring 2020

CORE REQUIREMENTS

Literacy Series

Composition

- ENG 101: College Writing 3 CH

Presentation

- INDS 101: Presentational Literacy 3 CH

Quantitative/Scientific Reasoning

- MATH 125: Quantitative Reasoning 3 CH
(Exemption: Proficiency test score at pre-Calculus level)

- Natural or Physical Science Lab 4 CH

- Science or Quantitative Course 3 or 4 CH

Creative

- Fine or Performing Arts Course 3 or 4 CH

(Art, music, or theater)

Socio-Political

- Social Science Course 3 or 4 CH

(Economics, geography, political science, psychology, sociology, or criminal justice)

Foreign Language

- 150 and 151 or Intermediate Course 3 – 6 CH

(Exemptions: Final grade of C or better for two years of high school language courses or proficiency test score at the Intermediate level)

Humanistic

- REL 120, 121, 122, or 123 3 CH

- Humanities Course 3 CH

(English, history, languages, philosophy, or religion)

Seminar Series

- SEMS 110: Introduction to Seminar 3 CH

- SEMS 200: Western Traditions 3 CH

- SEMS 250: World Cultures 3 CH

- SEMS 400: Global Issues 3 CH

Practicum Series

(Choose two of the following)

- Citizenship

- Leadership

- Study Abroad/Study Away

- Scholarship

Concern for Physical Well-Being

- Theory Courses 2 CH

To determine fulfillment of graduation requirements, consult the department to certify major requirements and the registrar to certify the core requirements.

MAJOR REQUIREMENTS

	ENROLLED/COMPLETED/GRADE
<input type="checkbox"/> MATH 181 Calculus I	4 CH ___/___/___
<input type="checkbox"/> MATH 182 Calculus II	4 CH ___/___/___
<input type="checkbox"/> MATH 281 Calculus III	4 CH ___/___/___
<input type="checkbox"/> MATH 291 Linear Algebra	4 CH ___/___/___
<input type="checkbox"/> MATH 302 Differential Equations	4 CH ___/___/___
<input type="checkbox"/> MATH 371 Real Analysis	4 CH ___/___/___

Complete one of the following sequences:

- MATH 311 Non-Euclidean Geometry 3 CH ___/___/___
- MATH 331 Abstract Algebra 3 CH ___/___/___

OR

- MATH 451 Probability 4 CH ___/___/___
- MATH 461 Statistics 4 CH ___/___/___

OR

- MATH 432 Numerical Methods 4 CH ___/___/___
- MATH 433 Mathematical Modeling 3 CH ___/___/___

Complete one additional 3 or 4 credit mathematic courses numbered 220 or above (PHYS 363 can be used here.

MATH 341, MATH 342, and MATH 481 may not be used.)

- MATH _____ _ CH ___/___/___

- Capstone Project 3 CH ___/___/___

Complete one from each group:

- PHYS 174 Introductory Physics I 4 CH ___/___/___

- PHYS 184 Introductory Physics II 4 CH ___/___/___

- CSCI 159 Intro to Programming 4 CH ___/___/___

- CSCI 189 Java Programming 4 CH ___/___/___

SECONDARY EDUCATION REQUIREMENTS Mathematics

Freshman Fall

- | | | | | |
|--------------------------|----------|-----------------------------------|---|-------------|
| <input type="checkbox"/> | EDUC 111 | Foundations of American Education | 3 | ___/___/___ |
| <input type="checkbox"/> | SPED 356 | Special Education | 3 | ___/___/___ |

Freshman Spring

- | | | | | |
|--------------------------|----------|-------------------------------------|---|-------------|
| <input type="checkbox"/> | EDUC 112 | Psychology Foundations of Education | 3 | ___/___/___ |
|--------------------------|----------|-------------------------------------|---|-------------|

Sophomore Fall

- | | | | | |
|--------------------------|----------|---------------------------------------|---|-------------|
| <input type="checkbox"/> | EDUC 215 | Curriculum, Instruction, & Assessment | 3 | ___/___/___ |
| <input type="checkbox"/> | EDUC 255 | Mentoring | 3 | ___/___/___ |

Note: EDUC 215 is a prerequisite for all other Phase II methodology courses

JUNIOR FALL

- | | | | | |
|--------------------------|-----------|--|---|-------------|
| <input type="checkbox"/> | SECED 325 | Teaching Reading & Writing in Content Areas | 3 | ___/___/___ |
| <input type="checkbox"/> | SPED 357 | Effective Instructional Practice & Delivery
Methods in Subject Area—All Special Ed. | 3 | ___/___/___ |

JUNIOR SPRING

- | | | | | |
|--------------------------|---------------|-------------------------------|---|-------------|
| <input type="checkbox"/> | SECED 340-370 | Teaching in Secondary Schools | 3 | ___/___/___ |
|--------------------------|---------------|-------------------------------|---|-------------|

SENIOR FALL

- | | | | | |
|--------------------------|-----------|--|---|-------------|
| <input type="checkbox"/> | EDUC 220 | Integrated Instructional Systems | 3 | ___/___/___ |
| <input type="checkbox"/> | SECED 268 | Mentoring II | 3 | ___/___/___ |
| <input type="checkbox"/> | SPED 358 | Intensive Reading, Writing, & Math
Intervention | 3 | ___/___/___ |

SENIOR SPRING

- | | | | | |
|--------------------------|-----------|------------------|---|-------------|
| <input type="checkbox"/> | SECED 444 | Student Teaching | 3 | ___/___/___ |
| <input type="checkbox"/> | EDUC 400 | ELL | 3 | ___/___/___ |

ADDITIONAL COURSE REQUIREMENTS

- | | | | | |
|--------------------------|---|--------------------------------|---|-------------|
| <input type="checkbox"/> | MATH 107 | College Algebra | 3 | ___/___/___ |
| | *Mathematics Majors are Exempt | | | |
| <input type="checkbox"/> | MATH 125 | Quantitative Reasoning | 3 | ___/___/___ |
| | *Mathematics Majors are Exempt | | | |
| <input type="checkbox"/> | AH 105 | Taking Care of Your Well Being | 2 | ___/___/___ |
| | *AH 105 meets the Core Well-Being Theory course | | | |
| <input type="checkbox"/> | CIS 111 | Word Processing Applications | 1 | ___/___/___ |