



Bachelor of Arts in Chemistry 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

Section A (all required):

- | | | | |
|-----------------------------------|--------------------------|------|-------------|
| <input type="checkbox"/> CHEM 140 | General Chemistry I | 4 CH | ___/___/___ |
| <input type="checkbox"/> CHEM 160 | General Chemistry II | 4 CH | ___/___/___ |
| <input type="checkbox"/> CHEM 200 | Intro to Inorganic Chem. | 4 CH | ___/___/___ |
| <input type="checkbox"/> CHEM 200 | Organic Chemistry I | 4 CH | ___/___/___ |
| <input type="checkbox"/> CHEM 210 | Organic Chemistry II | 4 CH | ___/___/___ |
| <input type="checkbox"/> CHEM 240 | Quantitative Analysis | 4 CH | ___/___/___ |
| <input type="checkbox"/> CHEM 300 | Fund of Physical Chem. | 4 CH | ___/___/___ |
| <input type="checkbox"/> CHEM 400 | Chemistry Capstone I | 4 CH | ___/___/___ |
| <input type="checkbox"/> CHEM 400 | Chemistry Capstone II | 4 CH | ___/___/___ |

Section B (choose one of the following):

- | | | | |
|-----------------------------------|-----------------------|--------|-------------|
| <input type="checkbox"/> CHEM 490 | Problems in Chemistry | 1-4 CH | ___/___/___ |
| <input type="checkbox"/> CHEM 495 | Independent Study | 1-4 CH | ___/___/___ |

Section C (choose one of the following):

- | | | | |
|-----------------------------------|---------------------------|------|-------------|
| <input type="checkbox"/> CHEM 300 | App of Physical Chemistry | 4 CH | ___/___/___ |
| <input type="checkbox"/> CHEM 370 | Instrumental Analysis | 4 CH | ___/___/___ |
| <input type="checkbox"/> CHEM 390 | Inorganic Chemistry | 4 CH | ___/___/___ |

Section D (all required):

- | | | | |
|-----------------------------------|---------------------|------|-------------|
| <input type="checkbox"/> MATH 181 | Calculus I | 4 CH | ___/___/___ |
| <input type="checkbox"/> MATH 182 | Calculus II | 4 CH | ___/___/___ |
| <input type="checkbox"/> PHYS 174 | Intro to Physics I | 4 CH | ___/___/___ |
| <input type="checkbox"/> PHYS 184 | Intro to Physics II | 4 CH | ___/___/___ |

SECONDARY EDUCATION REQUIREMENTS in Chemistry

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 | ___/___/___ |