

Department of Science & Math 242

BACHELOR OF ARTS EDUCATION CHEMISTRY (9-Adult)

Candidates may wish to combine this specialization with another (5-9), (9-Adult), (5-Adult) or (PreK-Adult) specialization.

GSU 100 The First Year Experience 0 hour
All degree seeking students are required to take GSU 100 during their first semester.

General Education Requirements 30 hours
Students must complete CART 101, CHEM 101 and MATH 202* as part of the General Education requirements.

*MATH 115 and MATH 120 or 125 may be required as a prerequisite for MATH 202 if candidates do not have a MATH ACT of 24 or SAT of 610 or higher.

Content Specialization Courses 46 hours

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|-------------------------------|-----|--------------------------|----------|
| Total Hours in Biology | | | 8 |
| BIOL | 120 | Principles of Biology I | 4 |
| BIOL | 121 | Principles of Biology II | 4 |

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|---------------------------------|-----|-------------------------|-----------|
| Total Hours in Chemistry | | | 27 |
| CHEM | 101 | General Chemistry I | |
| CHEM | 102 | General Chemistry II | 4 |
| CHEM | 293 | Techniques of Chemistry | 1 |
| CHEM | 301 | Organic Chemistry I | 4 |
| CHEM | 302 | Organic Chemistry II | 4 |
| CHEM | 307 | Inorganic Chemistry | 4 |
| CHEM | 321 | Analytical Chemistry I | 4 |
| CHEM | 380 | Biochemistry I | 4 |
| CHEM | 493 | Senior Research Seminar | 2 |

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| Total Hours in Physics | | | 11 |
| PHYS | 201 | General Physics I | 4 |
| PHYS | 202 | General Physics II | 4 |
| PHYS | 345 | Introductory Chemical Physics | 3 |

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| Professional Education | | | 26 hours |
|-------------------------------|-----|--|-----------------|
| CART | 101 | Introduction to Public Speaking | |
| CSCI | 267 | Computer Skills for Education | 3 |
| EDSP | 220 | Introduction to Educating Exceptional and Culturally Diverse Students | 3 |
| EDSP | 334 | Strategies for Educating Exceptional and Culturally Diverse Students | 3 |
| EDUC | 203 | Foundations of Education | 3 |
| EDUC | 205 | Educational Psychology* | 3 |
| EDUC | 310 | Classroom Management and Teaching Strategies | 3 |
| EDUC | 345 | Teaching Science in Middle and Adolescent Education (5-Adult) | 2 |
| EDUC | 412 | Curriculum and Assessment: Content (5-Adult) | 2 |
| PED | 201 | First Aid and Safety | 1 |
| READ | 317 | Teaching Reading in Middle and Adolescent Education | 3 |
| Residency | | | 18 hours |
| EDUC | 470 | Residency I | 6 |
| EDUC | 480 | Residency II | 11 |
| EDUC | 493 | Capstone Assessment | 1 |

Total minimum hours required for degree **120 hours**

Education 203 and Education 205 are the only Professional Education courses which can be attempted without being admitted to a Program in Teacher Education.

*Before enrolling in Education 205, a candidate must have attempted PRAXIS CORE or be exempt from this requirement due to ACT or SAT score.

GATEWAY ASSESSMENT – ADMISSION TO TEACHER EDUCATION

CAPSTONE ASSESSMENT – EDUC 493