

Undergraduate Secondary Social Studies Teacher Education Certificate Requirements Chemistry

Candidate: _____

Campus ID: _____

| <i>All Courses Must be Completed with a C or Better</i> | | | | |
|---|-----------------------------------|-----------------|--------------|---|
| CHEMISTRY CORE REQUIREMENTS | | Semester | Grade | PROFESSIONAL EDUCATION REQUIREMENTS: |
| CHEM 101 | Principles of Chemistry I | _____ | _____ | <i>A GPA of 2.75 is required for official program entry. A GPA of 3.0 is required for entering internship. Students must attain a B or better in all required education courses at the 400 level.</i> |
| CHEM 102 | Principles of Chemistry II | _____ | _____ | EDUCATION CORE COURSES |
| CHEM 102L | Introductory Chemistry Lab | _____ | _____ | Semester |
| CHEM 351 | Organic Chemistry I | _____ | _____ | Grade |
| CHEM 352 | Organic Chemistry II | _____ | _____ | EDUC 310 Inquiry into Education (3) |
| CHEM 351L | Organic Laboratory I | _____ | _____ | EDUC 311 Psychological Foundations of Education (3) |
| CHEM 352L | Organic Laboratory II | _____ | _____ | EDUC 388 Inclusion and Instruction (3) |
| CHEM 300 | Analytical Chemistry | _____ | _____ | EDUC 412 Analysis of Teaching and Learning (3) |
| CHEM 301 | Physical Chemistry I | _____ | _____ | EDUC 410 Literacy in the Content Area I (3) |
| CHEM 302 | Physical Chemistry II | _____ | _____ | PHASE I INTERNSHIP SEMESTER (Fall Only)* |
| CHEM 311L | Advanced Laboratory I | _____ | _____ | EDUC 411 Literacy in the Content Area II (3) |
| CHEM 405 | Inorganic Chemistry | _____ | _____ | EDUC 427 Science in the Secondary School (3) |
| MATHEMATICS REQUIREMENTS | | _____ | _____ | EDUC 448 Phase I Internship & Seminar (1) |
| MATH 151 | Calculus and Analytic Geometry I | _____ | _____ | PHASE II INTERNSHIP SEMESTER (Spring Only)* |
| MATH 152 | Calculus and Analytic Geometry II | _____ | _____ | EDUC 456 Internship in Education (10) |
| PHYSICS REQUIREMENTS | | _____ | _____ | EDUC 457 Internship Seminar in Secondary Education (2) |
| PHYS 121 | Introductory Physics I | _____ | _____ | <i>*See https://education.umbc.edu/internship/ for internship requirements.</i> |
| PHYS 122 | Introductory Physics II | _____ | _____ | |

Information about Praxis Test Requirements: <https://www.ets.org/praxis/md/test-takers/plan-your-test/certification.html>