

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	Semester
CHEM 102L Introductory Chemistry Lab	_____	_____	EDUC 310 Inquiry into Education (3)	_____
CHEM 351 Organic Chemistry I	_____	_____	EDUC 311 Psychological Foundations of Education (3)	_____
CHEM 352 Organic Chemistry II	_____	_____	EDUC 388 Inclusion and Instruction (3)	_____
CHEM 351L Organic Laboratory I	_____	_____	EDUC 412 Analysis of Teaching and Learning (3)	_____
CHEM 352L Organic Laboratory II	_____	_____	EDUC 410 Literacy in the Content Area I (3)	_____
CHEM 300 Analytical Chemistry	_____	_____		
CHEM 301 Physical Chemistry I	_____	_____	PHASE I INTERNSHIP SEMESTER (Fall Only)*	
CHEM 302 Physical Chemistry II	_____	_____	EDUC 411 Literacy in the Content Area II (3)	_____
CHEM 311L Advanced Laboratory I	_____	_____	EDUC 427 Science in the Secondary School (3)	_____
CHEM 405 Inorganic Chemistry	_____	_____	EDUC 448 Phase I Internship & Seminar (1)	_____
MATHEMATICS REQUIREMENTS				
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				
PHYS 121 Introductory Physics I	_____	_____	EDUC 457 Internship Seminar in Secondary Education (2)	_____
PHYS 122 Introductory Physics II	_____	_____	<i>*See https://education.umbc.edu/internship/ for internship requirements.</i>	

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