

CHEMISTRY MAJOR AND 7-12 TEACHER EDUCATION 2021-2022

Student Name and ID		Date		
GRADUATION REQUIREMENTS				
Minimum 120 credit hours INCLUDING ALL MAJOR, USM CORE, and EDUCATION REQUIREMENTS				
Minimum of 30 credit hours, including at least 9 credit hours in the major field at the 200-level or above, must be completed at USM and a minimum overall GPA of 3.0.				
USM Core Requirements		Credits	Semester	Grade
Writing, Reading, & Inquiry 1 (WRI1)	ENG 100 College Writing	3		
Writing, Reading, & Inquiry 2 (WRI2)	ENG 102 Academic Writing	3		
Quantitative Reasoning (QR) prerequisite	MAT 108 & MAT 140 or appropriate Math Placement Score	var		
Quantitative Reasoning (QR)	MAT 152 Calculus A	4		
Creative Expression (CE)	THE 102, 170 or EDU 230 or any CE course	3		
Cultural Interpretation (CI)	Any CI course	3		
Science Exploration (SE)	CHY 113/114 Principles of Chemistry I & Lab	4.5		
Socio-Cultural Analysis (SCA)	Any SCA course	3		
Ethical Inquiry and Social Responsibility (EISRC)	EDU 310, SED 300, or any EISRC course	3		
Diversity (DIV)	EDU 305 Foundations of Cult/Ling Diversity	3		
International (INT)	EDU 310 or any INT course	3		
Engaged Learning (EL)	EDU 100, EDU 222, EDU 305, SED 235	3		
Writing, Reading, & Inquiry 3 (WRI3)	Any WRI3 course	3		
Senior Seminar/Capstone	EDU 445 Student Teaching	6		
Chemistry Major Requirements		Credits	Semester	Grade
Major Requirements: 64-65 credit hours total. All courses in the major must be passed with at least a C. You must maintain an overall GPA of 3.0.				
All of the following are required (33-36 credits):	CHY 113/114 Principles of Chemistry I & Lab	4.5		
	CHY 115/116 Principles of Chemistry II & Lab	4.5		
	CHY 233 Analytical Chemistry & Lab	5		
	CHY 251/252 Organic Chemistry I & Lab	5		
	CHY 253/254 Organic Chemistry II & Lab	5		
	CHY 371 Quantum Chemistry	3		
	CHY 373/374 Chemical Thermodynamics & Lab	5		
Two of the following six offerings (6-8 cr.):	CHY 345 Polymer Chemistry	3		
	CHY 351 Advanced Organic Chemistry	3		
	CHY 377/378 Spectroscopy & Lab	5		
	CHY 385 Pickles to Pints: Fermentation Science	3		
	CHY 421 Inorganic Chemistry	3		
	CHY 461 Biochemistry I	3		
Physics (13-14 cr.):	PHY 121/114 General Physics I & Lab	5		
	PHY 123/116 General Physics II & Lab	5		
	PHY 261 Computational Physics OR a math/computer science course approved by your Faculty Advisor	3-4		
Mathematics (8 cr.):	MAT 152 Calculus A	4		
	MAT 153 Calculus B (prereq: MAT 152)	4		
Senior Seminar/Capstone	EDU 445 Student Teaching	6		
Teacher Certification Requirements		Credits	Semester	Grade
Teacher Certification Requirements: All pre-internship courses need to be passed with a B- or better. Your overall GPA needs to be a 3.0 or higher.				
Recommended Courses (6 cr.) - *Require service learning or practicum hours.	SED 300 Ethics and Youth with Exceptionalities*	3		
	EDU 310 Purpose of Schooling in a Democracy*	3		
Pre-Internship Course Requirements (18 cr.)- Must be taken and passed prior to beginning internship/student teaching. *Require service learning or practicum hours.	EDU 100 Exploring Teaching*	3		
	HRD/SBS 200 Multicultural Human Development	3		
	EDU 222 Foundations of Lang/Lit Development.*	3		
	EDU 305 Foundations of Cult/Ling Diversity*	3		
	SED 235 Students with Exceptionalities*	3		
	EDU 442 Seminar in Teaching*	3		
Internship/Student Teaching Requirements		Credits	Semester	Grade
All internship courses need to be passed with a B- or better. Your overall GPA needs to be a 3.0 or higher.				
Internship/Student Teaching Course Requirements (21 cr.)	EDU 445 Student Teaching (6 cr. over two semesters)	6		
	EDU 414 Improving Teaching in Content Areas	3		
	EDU 501 Secondary Science Methods	3		
	EDU 410 Creating Positive Learning Environments	3		
	EDU 546 Planning & Assessment I	3		
	EDU 547 Planning & Assessment II	3		
Other Teacher Certification Requirements			Completion Date	
Declare Teacher Certification Concentration in MaineStreet	If you have questions please contact your advisor			
Criminal History Record Check (CHRC)	Complete prior to starting EDU courses requiring service learning/practicum hours	<input type="checkbox"/>		
THIS IS ONLY A GUIDE. FOR DETAILED INFORMATION PLEASE REFER TO YOUR ACADEMIC CATALOG				
Questions? Please contact Christen Eaton, christen.eaton@maine.edu or 207-228-8315 or your Faculty Advisor				
revised 6.30.21				

