

Department of Chemistry

Chemistry BS Checksheet

To graduate as a chemistry major or minor in any of the programs, a student must earn a grade of C or better in all chemistry courses and a minimum grade point average of 2.0 in all other courses required for the major. At least 12 credit hours beyond the 100-level must be taken within the Chemistry Department at USM.

Student Name:				
Student ID Number:				
Date:				
USM Core Curriculum	Course	Credits	Semester	Grade
Writing, Reading, Inquiry 1 (WRI1)	ENG 100	3		
Writing, Reading, Inquiry 2 (WRI2)	ENG 102	3		
Writing, Reading, Inquiry 3 (WRI3)	Any WRI3 course	3		
Quantitative Reasoning (QR)	MAT 152	3-4		
Creative Expression (CE)		3		
Cultural Interpretation (CI)		3		
Science Exploration (SE)	CHY 113-114	4		
Sociocultural Analysis (SCA)		3		
Ethical Inquiry, Social Responsibility, Citizenship (EISRC)	CHY 385	3		
Diversity (DIV)		3		
International (INT)		3		
Engaged Learning (EL)	Options: CHY 113, CHY 252, CHY 233, CHY 378, CHY 470, PHY 123	var		
Capstone (CAP)	CHY 470	3		
FOUNDATION/REQUIRED MAJOR COURSES: 41-44 CREDITS	Course	Credits	Semester	Grade
CHY 113	Principles of Chemistry I	3		
CHY 114	Laboratory Techniques I	1.5		
CHY 115	Principles of Chemistry II	3		
CHY 116	Laboratory Techniques II	1.5		

CHY 233	Analytical Chemistry w/ Lab	5		
CHY 251	Organic Chemistry I	3		
CHY 252	Organic Chemistry Laboratory	2		
CHY 253	Organic Chemistry II	3		
CHY 254	Organic Chemistry Laboratory II	2		
CHY 371	Quantum Chemistry	3		
CHY 373	Chemical Thermodynamics	3		
CHY 374	Chemical Thermodynamics Laboratory	2		
CHY 377	Spectroscopy	3		
CHY 378	Instrumental Analysis Laboratory	2		
CHY 421	Inorganic Chemistry	3		
CHY 470	Chemistry in Perspective (Capstone)	1-4		
Choose one of the following four offerings: 3 CREDITS	Course	Credits	Semester	Grade
CHY 345	Polymer Chemistry	3		
CHY 351	Advanced Organic Chemistry	3		
CHY 385	Pickles to Pints: Fermentation Science	3		
CHY 461	Biochemistry	3		
Non-CHY requirements: 21 CREDITS	Course	Credits	Semester	Grade
PHY 121	General Physics I	4		
PHY 114	Introductory Physics Laboratory I	1		
PHY 123	General Physics II	4		
PHY 116	Introductory Physics Laboratory II	1		
MAT 152	Calculus A	4		
MAT 153	Calculus B	4		

PHY 261	Computational Physics	3		
	OR			
	Math/Computer Science Course approved by Chemistry Department	3-4		

****THIS IS ONLY A GUIDE. FOR DETAILED INFORMATION PLEASE REFER TO YOUR ACADEMIC CATALOG****

revised Feb.. 2021