

Chemistry Degree Requirements Checklist (beginning 2017-18)

Course No.	Course Name	Credits	Bachelor of Science (ACS certified)	Bachelor of Science	Bachelor of Arts	Grade	✓
CHY 105	Majoring in Chemistry	1	Yes	Yes	Yes		
CHY 121	General Chemistry I	3	Yes	Yes	Yes		
CHY 123	General Chemistry Lab I	1	Yes	Yes	Yes		
CHY 122	General Chemistry II	3	Yes	Yes	Yes		
CHY 124	General Chemistry Lab II	1	Yes	Yes	Yes		
CHY 242	Principles of Quantitative Analysis	5	Yes	Yes	Yes		
CHY 251	Organic Chemistry I	3	Yes	Yes	Yes		
CHY 253	Organic Chemistry I/Lab	2	Yes	Yes	Yes		
CHY 252	Organic Chemistry II	3	Yes	Yes	Yes		
CHY 254	Organic Chemistry II/Lab	2	Yes	Yes	Yes		
CHY 261	Intro to Inorganic Chemistry	3	Yes	Yes	Yes		
CHY 298	Intro to Research/Profession	1	Yes	Yes	Yes		
CHY 393 (WI)	Undergraduate Seminar	3	Yes	Yes	Yes		
CHY 471	Physical Chemistry I	3	Yes	Yes	Yes		
CHY 491 (WI)	Advanced Integrated Lab I	3	Yes	Yes	Yes		
CHY 492	Advanced Integrated Lab II	3	Yes	Yes	Yes		
CHY 431	Biological Chemistry	3	Yes	Elective	Elective		
CHY 472 or 475	Physical Chemistry II or III	3	Yes	Elective	Elective		
CHY 4xx	CHY Electives	3-6	Yes (6)	Yes (6)	Yes (3)		
CHY 498	Undergraduate Research	3	Yes	Yes*	Elective		
CHY 499	Undergraduate Thesis	3	Yes	Elective	Elective		
CHY 423	Introductory Polymer Chemistry	3	Elective	Elective	Elective		
CHY 443	Instrumental Analysis	3	Elective	Elective	Elective		
CHY 450	Intro. to Molecular Modeling	3	Elective	Elective	Elective		
CHY 453	Intermed. Organic Chem with Lab	4	Elective	Elective	Elective		
CHY 461	Advanced Inorganic Chem.	3	Elective	Elective	Elective		
CHY 462	Organometallic Chemistry	3	Elective	Elective	Elective		
CHY 477	Nanoscience	3	Elective	Elective	Elective		
CHY 483	Introductory Wood Chemistry	3	Elective	Elective	Elective		
PHY 111 or 121	Physics I	4	Yes	Yes	Yes		
PHY 112 or 122	Physics II	4	Yes	Yes	Yes		
MAT 126	Calculus I	4	Yes	Yes	Yes		
MAT 127	Calculus II	4	Yes	Yes	Yes		
MAT 228	Calculus III	4	Yes	Elective	Elective		
MAT 258**	Intro Diff. Eq. with Linear Algebra	4	Yes	Elective	Elective		
CAPSTONE EXPERIENCE			CHY 498 + CHY 499 (6 cr)	CHY 492 + CHY 498 (6)	CHY 492 + CHY 4xx (6 cr)		
Minor or double major			Optional	Optional	Yes		

* Research and poster/report; CHY, REU, other with permission

** for a double math major, take MAT 259 and MAT 262 in lieu of MAT 258; also recommended for a math minor

A grade of C or better must be earned in all required courses.

Exception: One passing grade of C- or below will be accepted if the overall GPA in CHY courses is at least 2.00.

Updated 6-8-17