Chemistry, BA (315000BA) Checklist

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General Education 2.0 Requirements Students must complete Writing, Mathematics, and Speaking requirements during their first year.	
ACADEMIC FOUNDATIONS	
Writing: (6 cr - 2 courses)	
Quantitative Reasoning: (3 cr)	
Speaking: (3 cr)	
DISCIPLINARY AREAS	
Arts/Humanities: (9 cr- 3 courses)	
Social Sciences: (6 cr -2 courses)	
Natural Sciences: (7 cr -2 courses)	
TAGS (one class each)	
Critical Thinking (CT)	
Complex Systems (CS)	
Domestic Diversity (DD)	
Global Diversity (GD)	
College of Arts & Sciences Requirements	
Foreign Language: (14 cr-4 courses)	
101 Beginning I (4 cr)	
102 Beginning II (4cr)	
201 Intermediate I (3-4 cr)	
202 Intermediate II (3-4 cr)	
7700:222 Survey Deaf Culture America *(American Sign Language option only)*	
300/400 Upper Division Requirement: (40 cr)	

Chemistry Requirements If a grade of less than C- is obtained in a required chemistry course, the student must successfully repeat the course within a year.	
Core Requirement	
3150:151 Principles of Chemistry I (3 cr)	
3150:152 Principles of Chemistry Laboratory (1 cr)	
3150:153 Principles of Chemistry II (3 cr)	
3150:154 Qualitative Analysis (2 cr)	
3150:263 Organic Chemistry Lecture I (3 cr)	
3150:264 Organic Chemistry Lecture II (3 cr)	
3150:265 Organic Chemistry Laboratory I (2 cr)	
3150:266 Organic Chemistry Laboratory II (2 cr)	
3150:313, 4 Physical Chemistry Lecture I, II (6 cr) **OR**	
3150:305 Physical Chemistry for Biological Sciences (4 cr)	
3150:380 Advanced Chemistry Laboratory I (2 cr)	
3150:423 Analytical Chemistry I (3 cr)	
3150:424 Analytical Chemistry II (3 cr)	
At least five credits from the following:	
3150:381 Advanced Chemistry Laboratory II (2 cr)	
3150:399 Internship in Chemistry (may be repeated for a total of 6 credits cr) (1-6 cr)	
3150:401 Biochemistry Lecture I (3 cr)	
3150:402 Biochemistry Lecture II (3 cr)	
3150:463 Advanced Organic Chemistry (3 cr)	
3150:472 Advanced Inorganic Chemistry (3 cr)	
3150:480 Advanced Chemistry Laboratory III (2 cr)	
3150:497 Honors Project in Chemistry (may be repeated for a total of 8 cr) (1-2 cr)	
3150:498 Special Topics: Chemistry (may be repeated for a total of 8 credits) (1-2 cr)	
3150:499 Research Problems (may be repeated for a total of 8 credits) (1-2 cr)	
9871:401/501 Introduction to Elastomers (3 cr)	
9871:402/502 Introduction to Plastics (3 cr)	
9871:407/507 Polymer Science (4 cr)	
Mathematics	
3450:149 Pre-Calculus Mathematics (4 cr)	
3450:221 Analytic Geometry-Calculus I (4 cr)	
3450:222 Analytic Geometry-Calculus II (4 cr)	
Physics	
3650:291,2 Elementary Classical Physics I, II (8 cr) **OR**	
3650: 261, 262 Physics for Life Sciences I, II (8 cr)	
120 Credit Minimum	

***Students should consult with their BCAS adviser for a semester by semester guide to assist with planning for course enrollment**

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