

BS in Chemistry

Below is a sample 4-year plan for the American Chemical Society Certified BS degree in Chemistry. To view the list of courses approved to fulfill KU Core Goals, please visit the KU Core website (<http://kucore.ku.edu/courses/>).

This degree plan assumes students will have the equivalent of MATH 103 or MATH 104 prior to freshman year, fall semester.

Freshman

Fall	Hours	Spring	Hours
Goal 2.1 Written Communication (First Course, 2 Crs Required)	3	Goal 2.1 Written Communication (Second Course, 2 Crs Required)	3
MATH 125 or 145 (Goal 1.2 Quantitative Literacy)	4	Goal 2.2 Communication	3
Goal 1.1 Critical Thinking	3	MATH 126 or 146 (Major Pre-requisite)	4
CHEM 170, 130, or 190 (Goal 3 Natural Science, Major Requirement) ¹	5	CHEM 175, 135, or 195 (Major Requirement)	5
CHEM 180 (Major Requirement) ²	0.5		
	15.5		15

Sophomore

Fall	Hours	Spring	Hours
Goal 3 Humanities	3	PHSX 212 & PHSX 236 (Major Pre-requisite)	4
PHSX 211 & PHSX 216 (Major Pre-requisite)	5	CHEM 250 (Major Requirement)	3
MATH 127 or 147 (Major Pre-requisite)	4	CHEM 335 or 385 (Major Requirement)	3
CHEM 330 or 380 (Major Requirement)	3	CHEM 336 (Major Requirement)	2
CHEM 331 (Major Requirement)	2	Elective	3
	17		15

Junior

Fall	Hours	Spring	Hours
CHEM 201 (Major Requirement) ²	1	CHEM 535 (Major Requirement) ²	3
CHEM 400 (Major Requirement) ²	3	CHEM 537 (Major Requirement) ²	3
CHEM 401 (Major Requirement) ²	2	Goal 4.1 US Diversity	3
CHEM 530 (Major Requirement) ²	4	Elective	3
Goal 3 Social Science	3	Elective (course# 300 or higher)	3
Elective	3		
	16		15

Senior

Fall	Hours	Spring	Hours
CHEM 695 (Major Requirement) ²	0.5	CHEM 635 (Major Requirement) ²	2
CHEM 698 or 699 (Goal 6 Integration & Creativity option)	2	CHEM 636 (Goal 6 Integration & Creativity option) ²	3
CHEM 660 (Major Requirement) ²	3	CHEM 661 (Major Requirement) ²	2
BIOL 636 (Major Requirement)	4	CHEM 698 or 699 (Goal 6 Integration & Creativity option)	1
Goal 4.2 Global Awareness	3	Goal 5 Social Responsibility & Ethics	3
		Elective (course# 300 or higher)	3
	12.5		14

Total Hours 120

¹ CHEM 170 requires eligibility for MATH 115 in order to enroll.

² CHEM 180, CHEM 201, CHEM 530, CHEM 400, CHEM 401, CHEM 660, CHEM 695, are Fall only courses. CHEM 250, CHEM 535, CHEM 537, CHEM 635, CHEM 636, CHEM 661 are Spring only courses.

Please note:

All students in the College of Liberal Arts and Sciences are required to complete 120 total hours of which 45 hours must be at the Jr/Sr (300+) level.

The same course cannot be used to fulfill more than one KU Core Goal. However, overlap of a KU Core course with a major or degree-specific requirement is allowed. Overlapping is recommended to allow more opportunities to explore other majors and/or minors.