

# BA in Chemistry

Below is a sample 4-year plan for students pursuing the standard BA 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 101 or MATH 104, prior to freshman year, fall semester.

## Freshman

Fall	Hours	Spring	Hours
ENGL 101 (Goal 2.1 (2 crs req), BA Writing I) <sup>1</sup>	3	ENGL 102 (Goal 2.1 (2 crs req), BA Writing II)	3
MATH 115 (Goal 1.2 Quantitative Reasoning)	3	Goal 2.2 COMS 130 or other approved course	3
CHEM 170, 130, or 190 (BA Quantitative Reasoning, Major Requirement) <sup>2</sup>	5	MATH 116 (Major Pre-requisite)	3
First Year Seminar (Goal 1.1 Critical Thinking)	3	CHEM 175, 135, or 195 (Major Requirement)	5
CHEM 180 (Major Requirement) <sup>4</sup>	0.5		
	14.5		14

## Sophomore

Fall	Hours	Spring	Hours
1st Semester Language (BA Second Language)	5	2nd Semester Language (BA Second Language)	5
PHSX 114 (Major Pre-requisite)	4	PHSX 115 (Major Pre-requisite)	4
CHEM 201 (Major Course) <sup>4</sup>	1	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 or possible minor course (Total Hours)	3
	15		17

## Junior

Fall	Hours	Spring	Hours
CHEM 400 (Major Requirement) <sup>4</sup>	3	4th Semester Language, or 1st semester of Another Language (BA Second Language)	3
CHEM 401 (Major Requirement) <sup>4</sup>	2	Goal 4.1 US Diversity	3
3rd Semester Language (BA Second Language)	3	Goal 5 Social Responsibility & Ethics	3
Goal 3 Humanities	3	Elective or possible minor course 300+ (Total Hours)	3
Goal 3 Social Science	3	Elective or possible minor course 300+ (Total Hours)	3
Elective or possible minor course (Total Hours)	3		
	17		15

## Senior

Fall	Hours	Spring	Hours
CHEM 520 (Major Requirement) <sup>4</sup>	5	CHEM 635 <sup>3, 4</sup>	2
CHEM 695 (Major Requirement) <sup>4</sup>	0.5	CHEM 636 <sup>3, 4</sup>	3
Goal 4.2 Global Awareness	3	Elective or possible minor course 300+ (Total Hours)	3
Elective or possible minor course 300+ (Total Hours)	3	Elective or possible minor course 300+ (Total Hours)	3
CHEM 698	2	Elective or possible minor course 300+ (Total Hours)	3
	13.5		14

Total Hours 120

<sup>1</sup> The BA requires completion of two courses of collegiate-level writing instruction. Students who test out of Composition will still need to complete ENGL 102 (or equivalent) and one additional Goal 2.1 course.

<sup>2</sup> CHEM 170 requires eligibility for MATH 115 in order to enroll.

<sup>3</sup> Students can elect to enroll in 3 hours of research or CHEM 636, Instrumental Methods of Analysis Lab to fulfill the Capstone, Goal 6 requirement. Goal 6 may also be satisfied by 3 hours of CHEM 698. Those students that elect CHEM 636 must also take CHEM 635 Instrumental Methods of Analysis as the co-requisite.

<sup>4</sup> CHEM 180, CHEM 201, CHEM 400, CHEM 401, CHEM 520, CHEM 695 are Fall only courses. CHEM 635, CHEM 636 are Spring only courses.

<sup>5</sup> Visit this website (<https://collegeadvising.ku.edu/sites/collegeadvising.ku.edu/files/docs/BA.QuantitativeReasoning.pdf>) for a list of courses that fulfill the BA Quantitative Reasoning requirement.

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.