

Sample Sequence for Chemical Engineering, BS

This sample sequence is intended to be used only as a guide for degree completion. All students should work individually with their academic advisors to decide the actual course selection and sequence that works best for them based on their academic preparation and goals. Enrichment programming such as study abroad, minors, internships, and so on may impact the structure of this four-year plan. Course availability is not guaranteed during the semester indicated in the sample sequence.

Students must fulfill their Language Other Than English requirement by successfully completing a third level of a language other than English. For more information, see the corresponding section on the [Degree General and Education Requirements page](#).

**The sample sequence below assumes that the student has placed into the Accelerated Chemistry courses.*

First Year

First Semester	Hours	Second Semester	Hours
ENG 100	1	CHBE 121	1
CHEM 202	3	CHEM 204	3
CHEM 203	2	CHEM 205	2
MATH 221 or MATH 220	4	MATH 231	3
CS 101	3	PHYS 211	4
Composition I or General Education course (choose a SBS course)	4	General Education course (choose a SBS course) or Composition I	3
	17		16

Second Year

First Semester	Hours	Second Semester	Hours
CHBE 221	3	CHBE 321	4
MATH 241	4	MATH 285 or MATH 441	3
PHYS 212	4	MATH 257 or MATH 415	3
CHEM 236	4	CHEM 436 or MCB 450	3
CHEM 237	2	PHYS 214	2
		General Education course (choose a <i>HUM</i> course with CS designation)	3
	17		18

Third Year

First Semester	Hours	Second Semester	Hours
CHBE 421	4	CHBE 422	4
CHEM 315	2	CHBE 424	3
CHBE 411 or IE 300 or STAT 400	3	Tech Elective (CHBE 400 Level)	3
CHEM 420	2	Language Other Than English (3rd level)	4
CHEM 442	4	General Education course (choose a <i>HUM</i> course with CS designation)	3
	15		17

Fourth Year

First Semester	Hours	Second Semester	Hours
CHBE 430	4	CHBE 431	4
CHBE 440	3	Tech Elective (List 1)	3
Tech Elective (CHBE 400 level)	3	Tech Elective (List 1)	3
Tech Elective (400 level, List 1 or List 2)	3	General Education course (choose a <i>SBS</i> course with <i>CS</i> designation)	3
Tech Elective (400 level, List 1)	3		
	16		13

Total Hours 129