

BS IN CHEMISTRY PLAN OF STUDY

This is the suggested plan of study to graduate in four years with a Bachelor of Science in Chemistry. This plan assumes the student has not satisfied the foreign language requirement.

Please [consult the online course catalog](#) for detailed course descriptions.

YEAR ONE

Fall	Credit	Spring	Credit
CHEM 105	4	†CHEM 106	4
MATH 171	3	†CHEM 110 & 150	2
NSS 101	1	KIN 149	1
IL 101	1	†MATH 191	4
ENGL 101	3	COMM 129/132/203/228/329	3
Social Science Elective	3	PHIL Elective 100-200	3
Total Credits	15	Total Credits	17

YEAR TWO

Fall	Credit	Spring	Credit
†CHEM 207/209	4	†CHEM 208/210	4
†MATH 192	4	†PHYS 253L	4
†PHYS 251/L	4	THEO Elective 100-200	3
Humanities Elective	3	Elective	3
		KIN Elective	1-2
Total Credits	15	Total Credits	15-16

YEAR THREE

Fall	Credit	Spring	Credit
†CHEM 313L	4	†CHEM 303 (Instrumental)	4
†CHEM 301 (Quant)	4	†CHEM 319/320L	4
Foreign Language 101	3	†CHEM 350 Chem Lit (Must be taken at SAU)	2
WI Elective (must be taken at SAU)	3	Creative Arts Elective	2
Humanities Elective	3	Foreign Language 102	3
Total Credits	17	Total Credits	15

YEAR FOUR

Fall	Credit	Spring	Credit
†CHEM 314/L	4	†CHEM 321/L	4
THEO/PHIL Elective (300 level)	3	†CHEM 429	1
CHEM 428	1	†CHEM 333	4
Electives	6	Electives	6
Total Credits	14	Total Credits	15

* Must take one of these three courses

^ Do not have to take both of these courses

300-Level Credits: 21 Credits from requirements and need 9 more

† Needs prerequisite

CONCENTRATIONS

Students can choose from three concentrations for our Bachelor of Science In Chemistry program. Options include:

- Pre-Med concentration; required courses include: CHEM 319 and 320; BIOL 181, 191, 230, 232, 301 and 303
- Forensics concentration; required courses include: CHEM 401, BIOL 105 or 181, 205 or 230; CRJU 101, 221, and 320, and 342.
- Secondary Chemistry Education concentration; requirements, including eligibility for student teaching, include a minimum cumulative GPA of 2.75. All education and endorsement coursework must be completed with a grade of C- or higher. Candidates must demonstrate proficiency in dispositional evaluations related to professionalism. Program requirements also include a semester-long student teaching experience and a minimum of 140 hours of pre-student teaching fieldwork across at least two different school sites. Students are encouraged to tailor their studies to admission

requirements of medical schools in which they are interested by taking other science and mathematics courses as electives.