

Chemistry (BS)

FALL - Semester 1

CHEM 130: Chemical Principles I*
MATH 198: Calculus I (math placement)
TRU 100: Truman Symposium
TRU 110 OR TRU 130
Dialogues coursework

FALL - Semester 3

CHEM 222: Introduction to Quantitative Analysis
CHEM 245: Sophomore Seminar
CHEM 329: Organic Chemistry I
MATH 264: Calculus III
Dialogues coursework

FALL - Semester 5

CHEM 345: Junior Seminar
CHEM 323/324: Physical Chemistry I & Lab
PHYS 196 (or 186): Physics with Calculus II
Dialogues coursework

FALL - Semester 7

CHEM 445: Senior Capstone Seminar
CHEM 473/474: Inorganic Chemistry & Lab
CHEM 335: Biochemistry I
Elective(s) and/or Dialogues coursework

SPRING - Semester 2

CHEM 131: Chemical Principles II
MATH 263: Calculus II (math placement)
Dialogues coursework

SPRING - Semester 4

CHEM 331: Organic Chemistry II
CHEM 333: Organic Chemistry Lab I & II
PHYS 195 (or 185): Physics with Calculus I
Dialogues coursework

SPRING - Semester 6

CHEM 322: Instrumental Analysis
CHEM 325/326: Physical Chemistry II & Lab
Elective(s) and/or Dialogues coursework

SPRING - Semester 8

CHEM 310: Modern Methods in Biochemistry
CHEM 4xx course or research
Elective(s) and/or Dialogues coursework

Advising Recommendations

TRU 110: Sustainability is strongly recommended for CHEM majors.

*Students who begin with CHEM 129: Basic Principles of Chemistry (because math placement is lower than Calculus) will take CHEM 130 in the Spring semester.

Electives only as needed to total 120 credit hours

The Dialogues curriculum requires a certain number of courses/credit hours in the following Perspectives: Social, Arts and Humanities, STEM, Communications, and Statistics. The exact number of courses a student will be required to take during their undergraduate career varies individually according to the credit transferred in.

Department Chair: Please contact the [Center for Academic Excellence](#) with any updates to the plan above.