

Bachelor of Science (B.S.) in Chemistry

Curriculum Map

Required Coursework – 120 hrs.

General Education Requirements (40 hours)		Sem.	Grade
English Composition – 9 hours			
___ ENGL 1113 Freshman English I			
___ ENGL 1213 Freshman English II			
___ Communications Elective _____			
Mathematics – 3 hours			
___ MATH 1513 Coll. Alg. OR MATH 1523 Modeling			
Natural Science – 9* hours			
___ BIOL 1304 Principles of Biology I			
___ CHEM 1135 General Chemistry I			
U.S. History and Government – 6 hours			
___ HIST 1313 or HIST 1323 US History			
___ POLS 1013 American Government			
Social Science – 6 hours			
___ ECON 2013 Elements of Economics			
___ PSYC 1113 General Psychology			
Humanities – 6 hours			
___ HUM			
___ HUM			
Student Success – 1 hour			
___ UCSS 1111 Student Success Seminar			
Liberal Arts and Science Electives – 1 hour*			
___ Additional CHEM 1135 hour will count			

Major Requirements (60 hours)

Chemistry Core – 40 hours			
___ CHEM 1135 General Chemistry I			
___ CHEM 2235 General Chemistry II			
___ CHEM 3025 Quantitative Analysis			
___ CHEM 3315 Organic Chemistry I			
___ CHEM 3325 Organic Chemistry II			
___ CHEM 3415 Physical Chemistry I			
___ CHEM 3525 Physical Chemistry II			
___ CHEM 4024 Biochemistry I			
___ CHEM 4031 Seminar			
Co-Requisite Requirements – 12 hours			
___ MATH 1824 Calculus I			
___ PHYS 2014 General Physics I			
___ PHYS 2114 General Physics II			

Electives – Sufficient to bring upper level hours to 40 and total credit hours to 120

Minor Requirements (~20 hours)

Chemistry majors are required to have a minor in some other academic field. Hours designated toward the minor are included in the 120 hours required for the major.

Minor: _____



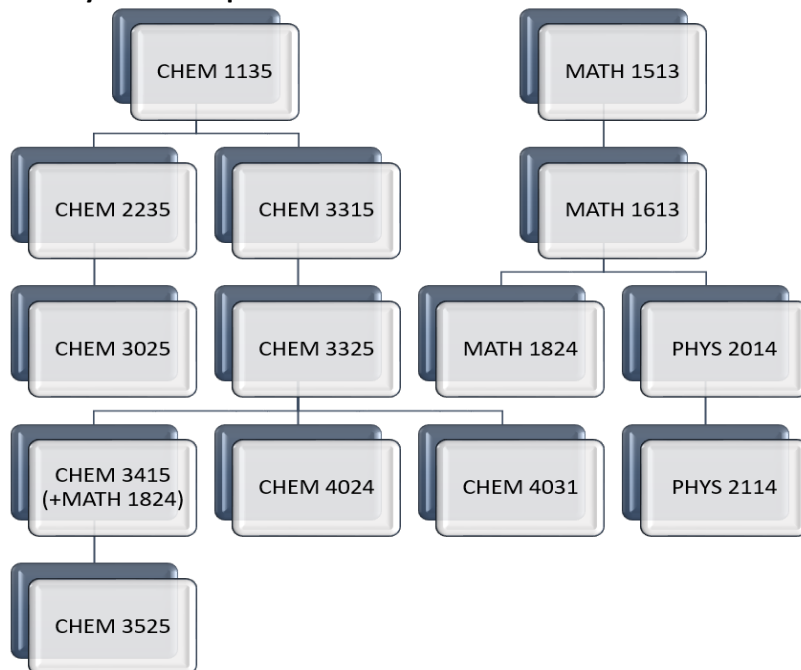
OKLAHOMA
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UNIVERSITY

Recommended Plan of Study

First Semester – 16 hours	Second Semester – 17 hours
ENGL 1113 Freshman English I	ENGL 1213 Freshman English II
MATH 1513 College Algebra	MATH 1613 Plane Trigonometry (suggested elective)
BIOL 1304 Principles of Biology I	CHEM 2235 General Chemistry II
CHEM 1135 General Chemistry I	HIST 1313 or HIST 1323 US History
UCSS 1111 Student Success Seminar	Humanities – 3 hours
Third Semester – 18 hours	Fourth Semester – 16 hours
PHYS 2014 General Physics I	PHYS 2114 General Physics II
CHEM 3315 Organic Chemistry I	CHEM 3325 Organic Chemistry II
PSYC 1113 General Psychology	MATH 1824 Calculus I
POLS 1013 American Government	ECON 2013 Elements of Economics
Humanities – 3 hours	
Fifth Semester – 14 hours	Sixth Semester – 13 hours
CHEM 3025 Quantitative Analysis	CHEM 3525 Physical Chemistry II
CHEM 3415 Physical Chemistry I	Communications Elective – 3 hours
Minor Courses or Electives – 4 hours	Minor Courses or Electives – 5 hours
Seventh Semester – 13 hours	Eighth Semester – 13 hours
CHEM 4024 Biochemistry	CHEM 4031 Seminar
Minor Courses or Electives – 9 hours	Minor Courses or Electives – 12 hours

This is a sample course sequence timeline only. This does not represent a contract, nor does it guarantee course availability. A student may require more than eight semesters to complete the degree.

Chemistry course sequence to be followed:



Notes to Advisees:

- No more than 12 semester hrs. may be used for both general educ. and major requirements.
- All science classes toward the Chemistry major must have a grade of C or better.

Course Rotation:

Fall only courses:

- CHEM 3315 Organic Chemistry I
- CHEM 4024 Biochemistry
- PHYS 2014 General Physics I

Spring only courses:

- CHEM 2235 General Chemistry II
- CHEM 3325 Organic Chemistry II
- PHYS 2114 General Physics II
- MATH 1824 Calculus I