

**2003-05 Catalog Paradigm
Chemistry**

First Year	
1.	CH105 (1 st semester)
2.	CH107 (2 nd semester)
3.	MT124 or MT131 – Calculus
4.	Science Elective
5.	General Education
6.	General Education
7.	General Education
8.	General Education

Second Year	
1.	CH220 (1 st semester)
2.	CH211 (1 st semester)
3.	CH222 (2 nd semester)
4.	CH312 (2 nd semester)
5.	General Education
6.	General Education
7.	Elective/Minor
8.	Elective/Minor

Third Year	
1.	PY121 or PY111 (1 st semester)
2.	PY122 or PY112 (2 nd semester)
3.	CH305 (2 nd semester)
4.	Chemistry Elective
5.	General Education
6.	General Education
7.	Elective/Minor
8.	Elective/Minor

Fourth Year	
1.	CH330 (1 st semester)
2.	CH332 (2 nd semester)
3.	Chemistry Elective
4.	General Education
5.	General Education
6.	Elective/Minor
7.	Elective/Minor
8.	Elective/Minor

Elective/Minor courses can be used to take additional major courses, free electives, or to fulfill a minor.

Progress Sheet Chemistry

Student Name: _____ Student ID: _____	
General Education – Lower Biennium	Major
<input type="checkbox"/> GS1 – Religious Studies _____ <input type="checkbox"/> GS2 – Philosophy of Human Nature _____ <input type="checkbox"/> GS3 – Human Relationships _____ <input type="checkbox"/> GS4 – Natural Science _____ <input type="checkbox"/> GS5 – Creative Expression _____ <input type="checkbox"/> GS6 – United States Heritage _____ <input type="checkbox"/> GS7 – Foreign Heritages _____ <input type="checkbox"/> GS8 – Quantitative Skills _____ <input type="checkbox"/> GS9 – Writing _____ _____	Required Courses: <input type="checkbox"/> CH105 – General Chemistry I <input type="checkbox"/> CH107 – General Chemistry II <input type="checkbox"/> MT131 – Calculus and Analytic Geometry I or MT124 – Survey of Calculus <input type="checkbox"/> CH220 – Organic Chemistry I <input type="checkbox"/> CH222 – Organic Chemistry II <input type="checkbox"/> CH211 – Quantitative Analysis <input type="checkbox"/> CH312 – Instrumental Analysis <input type="checkbox"/> PY121 – General Physics I or PY111 – Fundamentals of Physics I <input type="checkbox"/> PY122 – General Physics II or PY112 – Fundamentals of Physics II <input type="checkbox"/> CH305 – Inorganic Chemistry <input type="checkbox"/> CH330 – Physical Chemistry I <input type="checkbox"/> CH332 – Physical Chemistry II <input type="checkbox"/> CH Elective (300 +) <input type="checkbox"/> CH Elective (300 +)
General Education – Upper Biennium	
<input type="checkbox"/> GS1 – Religious Studies _____ <input type="checkbox"/> GS10 – Western Tradition _____ <input type="checkbox"/> GS11 – Global Society _____ <input type="checkbox"/> GS12 – Senior Colloquium (GS400) _____ _____	Note – A computer course such as BA142, CS110, or DS224 is recommended before the senior year. Students intending to go on to graduate studies should realize that mathematics courses such as MT132, 233, and 310 are required by many graduate programs in Chemistry.

Chemistry (CHEM)

Our objectives are to provide background for successful post-graduate work in chemistry and related fields; to train for industrial, governmental, and educational employment in the field of chemistry, and prepare students for the preprofessional areas such as pre-medicine, pre-dentistry, pre-pharmacy, pre-veterinary medicine, and pre-engineering and to serve the other academic disciplines of the Natural Science Division as well as students from Social Sciences and Humanities.

Graduate School Advisor: Dr. Larry Scheich

Chemistry Major (14 courses, 11 in Chemistry): CHEM 105, 107, 211, 220, 222, 305, 312, 330, 332 and any two other chemistry courses numbered 300 or above. PHYS 111 and 112 or 121 and 122, and MATH 124 or 131. A computer course such as BUAD 140, CSCI 110, or SSCI 224 is recommended before the senior year. Students intending to go on to graduate studies should realize that mathematics courses such as MATH 132, 233, and 310 are recommended by many graduate programs in Chemistry.

Chemistry Academic Minor (6 courses): CHEM 105, 107, 211, 216 or 220 and two additional chemistry electives above the 200 level.

Chemistry Teaching Minor (6 courses): CHEM 105, 107, 211, 216 or 220 and two other courses in chemistry numbered above 200.