

Navigating the Chemistry Major

Core Curriculum: Common to all Concentrations		Requirement completed (record course and semester)
Introductory <i>or</i> General Chemistry	Chem 1091 (F) and Chem 1092 (S) <i>or</i> Chem 1101 (F) <i>and</i> Chem 1102(S) <i>or</i> Chem. 1109 AP/IB Credit <i>or</i> placement	
Chemical Analysis	Chem 2100 (F)	
Organic Chemistry Inorganic Chemistry	Chem 2250 (F) Chem 2400	

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2. Educational Concentration*		Requirement completed (record course and semester)
Chemical Thermodynamics and Kinetics OR Quantum Chemistry and Spectroscopy	Chem 2510 (F) ** OR Chem 2520 (S)***	
Contemporary American Education	Edu 1101(S/F)	
Educating all Students	EDU 2203 (S/F)	
Teaching and Learning	EDU 3301 (F)	
Curriculum Development Chem. Elective #1	EDU 3302 (F)	

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4. Geochemical Concentration		Requirement completed (record course and semester)
Environmental Chemistry	Chem 2050 (S*)	
Chemical Thermodynamics and Kinetics	Chem 2510 (F) **	
Instrumental Analysis	Chem 3100 (S*) EOS 2005 Biogeochemistry: An Analysis	

TWO Geochemical

Electives***

(One of the two must be at the 3000 Level)

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Grade Requirements for courses counting toward the major:

Only one grade of D may be counted for the major. This D must be offset by a grade of B or higher in another chemistry course also required for the major.

Courses must be taken on a graded basis. Students can petition for one course to count credit/D/Fail

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TWO Electives, with at least one at the 3000 level***	Chem 3100 Instrumental Analysis Chem 3400 Advanced Inorganic Chemistry CHEM 3510 Reactivity and Kinetics CHEM 2550 Introduction to Computational Chemistry Physics 2250 Physics of Solids Physics 3000 Methods of Theoretical Physics Physics 3130 Electromagnetic Theory Physics 3810 The Physics of Climate Or approved topics at the 4000 level	
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*Pre-req: Physics 1130 or Physics 1140, Math 1700 or higher; **Pre-req: Physics 1140, Math 1700 or higher; ***Other possible electives may be feasible; interested students should check with the department; only one approved course 4000 or higher may count towards the major.