

Annual Chemistry Graduate Curriculum

(updated, May 2021)

Courses	When Taught
Chem 101 Special Topics in Physical Chemistry	1-2 are offered each year
101.2 Statistical Thermodynamics	
101.4 Chemistry of Macromolecules	
101.5 Intro. to Statistical Thermodynamics & Molecular Simulations	
101.6 Computational Methods in Chemistry and Biophysics	
Chem 103 Special Topics in Biophysical Chemistry	As needed
Chem 123 (= PEMM 123) Graduate Toxicology	Winter, alternate years
Chem 124 (= EARS 124) Analyt. Chem. & Inorg. Instrumental Analysis	Periodically
Chem 131 Advanced Inorganic Chemistry: Catalysis	Spring, 10, alternate years
Chem 132 Inorganic Biochemistry	Spring, 10, alternate years
Chem 135 Functional Nanomaterials: Synthesis & Applications	Alternate years
Chem 136 Polymer Synthesis	Alternate years
Chem 137 (= ENGS 133) Methods of Materials Characterization	Spring
Chem 140 Chemistry Research Colloquium	Fall, Winter, Spring; Thur 10:30
Chem 151 Physical Organic Chemistry	Alternate years
Chem 152 Advanced Organic Synthesis and Mechanism	Annual, typically Fall
Chem 153 Chemistry of Natural Products	Annual, typically Winter
Chem 157 Topics in Advanced Organic Chemistry	As needed
Chem 158 Supramolecular Chemistry	Alternate years
Chem 159 Chemistry of Heterocyclic Compounds	Periodically
Chem 161 Topics in Advanced Biophysical Chemistry	1-2 are offered each year
161.1 Membrane Biophysics	
161.2 Biomolecular Simulations	
161.3 Biomolecular NMR Spectroscopy	
161.4 Structure and Dynamics of Biomolecules	
161.5 Protein Crystallography	
161.6 Enzymes	
Chem 256 Graduate Instruction in Teaching	Fall, 10
Chem 257 Supervised Undergraduate Teaching	Fall, Winter, Spring, Summer
Chem 260 Graduate Res Colloq.: Organometallic Chemistry	Fall, Winter, Spring; Wed 12:00
Chem 261 Graduate Res Colloq.: Materials Chemistry	Fall, Winter, Spring; arrange
Chem 262 Graduate Res Colloq.: Synthetic Organic Chemistry	Fall, Winter, Spring; Fri 4:00
Chem 263 Graduate Res Colloq.: Bioinorganic Chemistry	Fall, Winter, Spring; arrange
Chem 264 Graduate Res Colloq.: Biophysical Chemistry	Fall, Winter, Spring; Fri 4:00
Chem 265 Graduate Res Colloq.: Computation, Modeling & Theory	Fall, Winter, Spring; arrange
Chem 297 Graduate Investigation in Chemistry A	Fall, Winter, Spring, Summer
Chem 298 Graduate Investigation in Chemistry B	Fall, Winter, Spring, Summer
Chem 299 Graduate Investigation in Chemistry C	Fall, Winter, Spring, Summer