

Course Number	Course Title	Qualifier?	Grad Credit?	Note
Chem 402	Chemistry in the Environment	no	GC	
Chem408	Computational Chemistry	no	GC	
Chem 448	Surface Chemistry	no	GC	
Chem 450	Physical Chemistry (Thermo)	Physical	no	
Chem 452	Physical Chemistry (Quantum)	Physical	no	
Chem 476	Biological Chemistry	Biological	GC	
Chem 497	Special Topics	Organic	GC	
Chem 511	Chemical Nanoscience	Physical	GC	
Chem 516	Inorganic Chemistry	Inorganic	GC	
Chem 518	Symmetry & Spectroscopy in Inorganic Chemistry	Inorganic	GC	
Chem 519	Materials Chemistry	Inorganic	GC	
Chem 525	Analytical Separations	Analytical	GC	
Chem 526	Spectroscopic Analysis	Analytical	GC	
Chem 535	Physical Organic Chemistry	Organic	GC	
Chem 536	Medicinal Chemistry & Chemical Biology	Biological	GC	
Chem 537	Polymer Chemistry	no	GC	
Chem 538	Spectroscopic Methods in Bioinorganic Chem	Biological	GC	
Chem 539	Biochemical Reaction Mechanism	Biological/Organic	GC	
Chem 540	Biophysical Chemistry	Biological	GC	
Chem 543	Polymer Chemistry	no	GC	
Chem 545	Statistical Thermodynamics	Physical	GC	
Chem 565	Quantum Chemistry I	Physical	GC	
Chem 566	Quantum Chemistry II	Physical	GC	
Chem 567	Molecular Spectroscopy	Analytical	GC	
<i>Chem 579's</i>	<i>Special Topics</i>			
Chem 597A	Biomole Interfaces	no	GC	
Chem 597B	Bioinorganic Chem	no	GC	
Chem 597B	Transmetal Chemistry	Inorganic	GC	
Chem 597C	NMR Spectroscopy	no	GC	
Chem 597D	Bioinspired Comput	no	GC	
Chem 597E	Bioorganic Chemistry	no	GC	
Chem 600	Thesis Research			
Chem 601	Post Comp Exam			
Chem 602	Teaching			
	Additional Courses for Grad Credit			
ABIOL 574	Planetary Habitability		GC	
BIOE 505	Bioengineering Mechanics		GC	
BIOE 512	Cell and Molecular Bioengineering		GC	
BIOE 514	Quantitative Microscopy		GC	
BIOE 517	Biomaterials Surface Science		GC	
BIOEN	Magnetic Resonance Spectroscopy		GC	
B M B 474	Analytical BioChemistry		GC	
BMMB 539	Biochemical Reaction Mechanisms		GC	
BMMB 542	Eukaryotic Cell Biology		GC	
BIOL 497A	Biology of RNA		GC	
BIOL 451	Biology of RNA (from specialty 497A/reg course for SP14)		GC	
BIOL 519	Ecological and Environmental Problem Solving		GC	
CH E 497A	Polymers		GC	
CH E 510	Surface Characterization of Materials		GC	
CH E 528	Colloidal Forces and Thermodynamics		GC	
CH E 536	Heterogeneous Catalysis		GC	
CH E 597C	Surface and Interface Characterization		GC	Also MATSE 597C
CH E 597C	Engineering Problems in Nanotech		GC	

Chemistry Department Courses
Graduate Credit Courses

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CMPSC 451	Numerical computations		GC	
EE 441	Semiconductor Integrated Circuit Technology		GC	
EE 497E	Magnetic Resonance Spectroscopy		GC	
EGEE 597B	Nanoengineering Materials: Energy & Environmental Applications		GC	
E SC 501	Solid State Energy Conversion		GC	
FRNSC 831	Forensic Chemistry II		GC	
MATSE 503	Kinetics of Materials Processes		GC	
MATSE 512	Principles of Crystal Chem		GC	
MATSE 514	Materials Characterization		GC	
MATSE 542	Polymeric Materials: The Solid State		GC	
MATSE 543	Polymer Chemistry		GC	
MATSE 552	Sintering of Ceramics		GC	
MATSE 560	Hydrometallurgical Processing		GC	
MATSE 562	Solid to Solid Phase Transformations		GC	
MATSE 563	Micromechanisms of Fracture		GC	
MATSE 565	Metals in Electronics		GC	
MATSE 570	Catalytic Materials		GC	
MATSE 581	Computational Materials Science II Continuum, Mesoscale Simulations		GC	
MATSE 597A	Dispersion of Inorganic Powders in Liquids		GC	
MATSE 597B	Nanoengineering Materials: Energy & Environmental Applications		GC	
MATSE 597C	Solid State Materials Physics		GC	
MATSE 597E	Computational Materials Science II: Continuum, Mesoscale Simulations		GC	
M E 597A	Electrochemical Engine Fundamentals		GC	
METEO 455	Atmospheric Dispersion		GC	
PHYS 527	Computational Physics & Astrophysics		GC	
PHYS 572	Laser Physics and Quantum Optics		GC	
VBSC 597A	Special Topics	Biological	GC	