

Fall 2025

Fall 2025			
1st year			
Course Number	Course Title	Instructor(s)	
CHEM-1100	General Chemistry I	Phil Dutton	
		Holger Eichhorn	
		Zhuo Wang	
2nd year			
CHEM-2200	Analytical Chemistry	Scott Harroun	
CHEM-2300/2305	Introductory Organic Chemistry	Jim Green	
CHEM-2400	Introductory Physical Chemistry I	Jichang Wang	
CHEM-2500	Introductory Inorganic Chemistry I	Jeremy Rawson	
3rd year			
BIOC-3100	Metabolism I	Siyaram Pandey	
BIOC-3140	Protein and Enzyme Engineering	Ken Ng (CL with BIOC-8008-1&2)	
BIOC-3581	Biotechnology Lab	Otis Vacratsis	
CHEM-3300/3305	Spectroscopic Structure Identification	Zhuo Wang	
CHEM-3500	Organometallic Chemistry	Sam Johnson	
CHEM-3710	Materials Chemistry	Tricia Carmicheal	
CHEM-3909	Internship Work Term I	Nick Vukotic	
4th year			
BIOC-4008	Structural Proteomics and Its Applications	Yufeng Tong (CL with BIOC-8020)	
CHEM-4410	Statistical Thermodynamics	Jichang Wang	
CHEM-4520	Free Radicals	Jeremy Rawson (CL with CHEM-8520)	
CHEM-4528	Supramolecular Chemistry	Nick Vukotic (CL with CHEM-8528)	
CHEM-4599	Applications of Inorganic Spectroscopy	Sam Johnson (CL with CHEM-8599)	
CHEM-4641	Bio and Sustainable Materials	John Trant (CL with CHEM-8641)	
CHEM-4680A	Applied Analytical Lab (Wine Lab)	John Trant	
CHEM-4900	Research	Yufeng Tong (CL with FRSC-4900)	
CHEM-4908	Internship Work Term II	Nick Vukotic	
Grad Courses			
BIOC-8008-1&2	Special Topics in Biochemistry : Protein and Enzyme Engineering	Ken Ng (CL with BIOC-3140)	R / MMB
BIOC-8008-3&4	Special Topics in Biochemistry : Anti-Viral Therapeutics	Ken Ng	R / MMB
BIOC-8020	Structural Proteomics and Its Applications	Yufeng Tong (CL with BIOC-4008)	R / MMB
CHEM-8520	Free Radicals	Jeremy Rawson (CL with CHEM-4520)	R
CHEM-8528	Supramolecular Chemistry	Nick Vukotic (CL with CHEM-4528)	R
CHEM-8599	Applications of Inorganic Spectroscopy	Sam Johnson (CL with CHEM-4599)	R
CHEM-8641	Bio and Sustainable Materials	John Trant (CL with CHEM-4641)	R / MMB
MMCE-8820B	Introduction to Materials Chemistry	Holger Eichhorn	MMCE
MMCE-8821	Materials Engineering Lab	(MAME Sessional)	MMCE
MMCE-8905	Advanced Seminar in Materials Chem & Eng	Zareen Amtul	MMCE
BIOC-8700	Human Physiology & Mechanisms of Disease	Tranum Kaur	MMB
BIOC-8740	Protein Structure and Function	Zareen Amtul	MMB
BIOC-8780	Biotech Entrepreneurship	Zareen Amtul	MMB
CHEM-8900	Graduate Seminar	Otis Vacratsis	R
CHEM-8970	MSc Thesis	Otis Vacratsis	R
CHEM-9900	Research Proposal	Nick Vukotic	R
CHEM-9980	PhD Dissertation	Otis Vacratsis	R