McGill Joint Honours in Physics and Chemistry

Fall U1	MATH 248 Hon. Advanced Calculus Prereq. MATH 133 and MATH 222	PHYS 251 Hon. Classical Mechanics 1 Prereq. PHYS 131 and MATH 222	CHEM 213 Intro Phys Chem 1: Thermo Prereq. CHEM 110, CHEM 120, MATH 222, and PHYS 142	COMP 208 Computer Programming for Physical Sciences Prereq. MATH 141 and MATH 133	PHYS 257 Experimental Methods 1 Coreq. PHYS 251	
Winter U1	MATH 325 Hon. ODEs	MATH 247 Hon. Applied Linear Algebra	CHEM 273 Intro Phys Chem 2: Kinetics & Methods	PHYS 241 Signal Processing	PHYS 258 Experimental Methods 2	
Win	Prereq. MATH 222	Prereq. MATH 133	Prereq. CHEM 213 and MATH 222	Prereq. PHYS 142	Prereq. PHYS 257	
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U2	PHYS 350 Hon. Electricity and Magnetism	PHYS 357 Hon. Quantum Physics 1	CHEM 212 Intro Organic Chemistry 1			
Fall	Prereq. MATH 248 and MATH 325	Prereq. MATH 247 and PHYS 251	Prereq. CHEM 110 and CHEM 120			
nter U2	MATH 249 Hon. Complex Variables	PHYS 457 Hon. Quantum Physics 2	CHEM 355 App. of Quantum Chemistry	CHEM 365 Statistical Thermodynamics	CHEM 281 Inorganic Chemistry 1	
Wint	Prereq. MATH 248	Prereq. PHYS 357	Prereq. PHYS 357 and PHYS 350	Prereq. PHYS 357	Prereq. CHEM 110 and CHEM 120	
Fall U3	PHYS 558 Solid State Physics	PHYS 352 Hon. Electromagnetic Waves Prereq. PHYS 350	CHEM 556 Adv. Quantum Mechanics Prereq. PHYS 357 and PHYS 350	CHEM 574 Intro Polymer Chemistry Prereq. CHEM 213 and CHEM 273	PHYS 559 Adv. Statistical Mechanics if CHEM 593 is not taken Winter U3	
		rieled. Fills 550				
Winter U3	CHEM 493 Adv. Physical Chemistry Lab Prereq. PHYS 350 and CHEM 355	CHEM 593 Stat. Mechanics if PHYS 559 is not taken Fall U3 Prereq. PHYS 357 and CHEM 365	3 courses from: CHEM 480 Undergrad Research Project 2 PHYS 479 Physics Research Project	CHEM 531 Chemistry of Inorganic Materials CHEM 575 Chemical Kinetics CHEM 585 Colloid Chemistry	PHYS 351 Hon. Classical Mechanics 2 PHYS 434 Optics PHYS 469 Hon. Lab in Modern Physics 2 PHYS 562 EM Theory	