McGill Major in Physics and Computer Science

Fall U1

MATH 222
Calculus 3
Prereq. MATH 141 and MATH 133

PHYS 230
Dynamics of Simple Systems
Prereq. PHYS 131
Coreq. MATH 222

PHYS 257
Experimental Methods 1
Coreq. PHYS 230

Winter U1

MATH 223
Linear Algebra
Prereq. MATH 133

MATH 240
Discrete Structures
Prereq. MATH 133

PHYS 258
Experimental Methods 2
Prereq. PHYS 257

COMP 250
Intro to Computer Science

Fall U2

MATH 315
ODEs
Prereq. MATH 133 and MATH 222

MATH 314
Adv. Calculus
Prereq. MATH 133 and MATH 222

COMP 206
Introduction to Software Systems
Prereq. COMP 250

COMP 350
Numerical Computing
Prereq. COMP 250, MATH 222, and MATH 223

Winter U2

PHYS 241
Signal Processing
Prereq. PHYS 142

PHYS 232
Heat and Waves
Prereq. PHYS 142, CHEM 120 and PHYS 230

COMP 302
Programming Languages and Paradigms
Prereq. COMP 250

COMP 251
Algorithms and Data Structures
Prereq. COMP 250 and MATH 240

Fall U3

MATH 323
Probability
Prereq. MATH 141

PHYS 340
Majors E&M
Prereq. PHYS 142, MATH 222 and MATH 314

PHYS 346
Majors Quantum Physics
Prereq. PHYS 230 and PHYS 232

COMP 360
Algorithm Design
Prereq. COMP 251 and MATH 240

Winter U3

PHYS 331
Topics in Classical Mechanics
Prereq. PHYS 230 and MATH 315

PHYS 489
Special Project

PHYS 339
Measurements Lab in General Physics
Prereq. PHYS 241