

Science Profile (120 extended credit programs, i.e. non-CEGEP entry, only)

Chemistry:	CHEM 205 & 206 (General Chemistry I & II)
Biology:	BIOL 201 (General Biology)
Math:	MATH 201 (Elementary Functions), MATH 202 (College Algebra, <i>required for Mature Students only</i>), MATH 203 (Calculus I), MATH 205 (Calculus II)
Physics:	PHYS 204/224 (Mechanics and associated lab course), PHYS 205/225 (Electricity & Magnetism and associated lab course), PHYS 206/226 (Waves and Modern Physics & associated lab course)

Core program (45 credits = 15 courses)

Analytical Chemistry:	CHEM 217 (Introductory Analytical Chemistry I, offered Fall only) CHEM 218 (Introductory Analytical Chemistry II, offered Winter only) CHEM 312 (Intermediate Analytical Chemistry, Fall and alternating Summers) <i>Exemptions for 217 AND 218 PLUS THE LAB PORTION OF 312 possible for students entering from Dawson's Laboratory Technology – Analytical Chemistry program</i>
Organic Chemistry:	CHEM 221 (Introductory Organic Chemistry I, offered Fall, Winter and alternating Summers) CHEM 222 (Introductory Organic Chemistry II, offered Fall and Winter) CHEM 324 (Organic Reactions, offered Fall and Winter) CHEM 325 (Organic Structure and Stereochemistry, Winter and alternating Summers) <i>Exemptions for CHEM 221 and CHEM 222 possible for CEGEP students</i>
Physical Chemistry:	CHEM 234 (thermodynamics, offered Fall and Winter) CHEM 235 (kinetics, offered Fall and Winter) CHEM 333 (quantum chemistry, offered Winter only)
Inorganic Chemistry:	CHEM 241 (Introduction to Periodicity and Valence Theory, offered Fall and Winter) CHEM 242 (Chemistry of the Main Group Elements, offered Winter only) CHEM 341 (Transition metals, offered Fall only)
Biochemistry:	CHEM 271 (Biochemistry I, offered Fall, Winter and alternating Summers)
Spectroscopy:	CHEM 293 (Organic Spectroscopy, offered Winter and Summer)

Chemistry Honours = core (above) PLUS additional credits at the advanced level

Spectroscopy:	CHEM 495 (Modern Spectroscopy, winter only)
Chemistry electives:	2 x 400-level courses (CHEM 4XX) chosen from advanced topics courses in chemistry
Research project:	CHEM 450 (6 credits, Honours research carried out in an active research lab of one of our faculty members, 1 or 2 terms, all terms available, written thesis defended before a committee)

Course numbering system

First digit gives level	200 = introductory	300 = intermediate	400 = advanced
Middle number denotes discipline	1 = analytical, 7 = biochemistry,	2 = organic, 9 = spectroscopy/spectrometry	3 = physical, 4 = inorganic, 5 = multidisciplinary,
Last digit gives sequence			

