

Chemistry Honours Program

First Year

Course	Short Title	Semester	Units	Pre-Reqs
Chem 101	Fund. Chemistry I	FK	1.5	Chem 11 + Math 12 (or Pre-calculus 12)
Chem 102	Fund. Chemistry II	S	1.5	Chem 12 (or Chem 091) + 101 or 150
Chem 231	Intro Organic	FS	1.5	Chem 101 or 150
Math 100 or 109	Calculus I	FS	1.5	Pre-calculus 12
Math 101	Calculus II	FS	1.5	Math 100 or 109
Phys 110	Intro Physics I	FS	1.5	Co- or prerequisite: Math 100, 102 or 109
Phys 111	Intro Physics II	SK	1.5	Phys 110
Electives			4.5	

Second Year

Course	Short Title	Semester	Units	Pre-Reqs
Chem 212	Intro Analysis	FS	1.5	Chem 102
Chem 213	Spectroscopy	F	1.5	Chem 101 or 150
Chem 245	Intro Physical	F	1.5	Chem 102 + Math 100, 102 or 109
Chem 222	Intro Inorganic	SK	1.5	Chem 102
Chem 232	Biol. Applic. Of Organic	FSK	1.5	Chem 231
Math 200 or 202	Calculus III		1.5	Math 101
Electives			6.0	

Third/Fourth Years

Course	Short Title	Semester	Units	Pre-Reqs
Chem 324	Transition Metals	F	1.5	Chem 222
Chem 347	Quantum Chemistry	F	1.5	Chem 213 or 245 + Math 101
Chem 453	Structure and Bonding	F	1.5	Chem 222 + Chem 232
Chem 318	Instrumental Analysis	S	1.5	Chem 212 + Chem 213
Chem 335	Organic Synthesis	S	1.5	Chem 232
Chem 452	Reaction Mechanisms	S	1.5	Chem 222 + Chem 232
Chem 361	Analytical Lab	FS	1.5	Chem 212
Chem 362	Inorganic Lab	FS	1.5	Chem 213 + Chem 222
Chem 363	Organic Lab	FS	1.5	Chem 213 + Chem 232
Chem 364	Physical Lab	FSK	1.5	Chem 245
Chem 499	Honours Thesis	FSK	3.0	Departmental permission
Bioc 299 (or 300A)	General Biochemistry	S(K)	1.5	Chem 231 [Chem 231 + Chem 232 + BIOL 225]
Electives: 300/400 level			3.0	
Electives: Any level			7.5	

21 units at 300/400 level (18 at Uvic)

15 units 300/400 level Chemistry (12 at Uvic)