

Honours in Biochemistry (133 credits)	Honours in Biochemistry (127 credits) Program abolished
Requirements 2003-2005	New course codes 2006
Compulsory credits in first year -34 Suggested course stream for full-time students	Compulsory credits in first year 27 Suggested course stream for full-time students
Fall:	Fall:
BIO1120 Introduction to Organismal Biology -4	BIO1130 Introduction to Organismal Biology 3
CHM1310 Principles of Chemistry -4	CHM1311 Principles of Chemistry 3
MAT1320 Calculus I 3	MAT1330 Calculus for the Life Sciences I 3
PHY1201 Physics Laboratory 3	
PHY1301 Principles of Physics I 3	PHY1321 Principles of Physics I 3
Winter:	Winter:
BIO1110 Introduction to Cell Biology -4	BIO1140 Introduction to Cell Biology 3
CHM1320 Organic Chemistry I -4	CHM1321 Organic Chemistry I 3
MAT1323 Calculus and Matrix Algebra 3	
PHY1302 Principles of Physics II 3	PHY1322 Principles of Physics II 3
Fall, Winter or Summer:	Fall, Winter or Summer:
ENG1100 Workshop in Essay Writing 3	ENG1100 Workshop in Essay Writing 3
Compulsory credits in second year -25	Compulsory credits in second year 21
Fall:	Fall:
CHM2120 Organic Chemistry II 3	CHM2120 Organic Chemistry II 3
CHM2126 Laboratory of Organic Chemistry II -2	CHM2123 Laboratory of Organic Chemistry II 3
CHM2132 Physical Chemistry for the Life Sciences 3	CHM2132 Physical Chemistry for the Life Sciences 3
CHM2154 Analytical Chemistry 3	CHM2354 Analytical Chemistry 3
MAT2378 Probability and Statistics for the Natural Sciences 3	MAT2378 Probability and Statistics for the Natural Sciences 3
It is recommended to add one elective course	It is recommended to add one elective course
Winter:	Winter:
BCH2140 Introduction to Biochemistry 3	BCH2333 Introduction to Biochemistry 3
BCH2336 Biochemistry Laboratory I -2	
BIO2123 Genetics -4	BIO2133 Genetics 3
CHM2118 Laboratory of Analytical Chemistry -2	
It is recommended to add two elective courses	It is recommended to add two elective courses
Compulsory credits in third year 21	Compulsory credits in third year 21
Fall:	Fall:
BCH3170 Molecular Biology 3	BCH3170 Molecular Biology 3
BCH3356 Molecular Biology Laboratory 3	BCH3356 Molecular Biology Laboratory 3
CHM3120 Intermediate Organic Chemistry 3	CHM3120 Intermediate Organic Chemistry 3
CHM3122 Applications of Spectroscopy in Chemistry 3	CHM3122 Applications of Spectroscopy in Chemistry 3
It is recommended to add two elective courses	It is recommended to add two elective courses

<p>Winter:</p> <p>BCH3120 General Intermediary Metabolism 3</p> <p>BCH3125 Protein Structure and Function 3</p> <p>BCH3346 Biochemistry Laboratory II 3</p> <p>It is recommended to add three non science electives (Fall, Winter, Summer) 9</p> <p>Compulsory credits in fourth year with a research project 20</p> <p>Fall:</p> <p>BCH4032 Biochemistry Seminar -2</p> <p>BCH4040 Honours Project – Biochemistry 9</p> <p>BCH4122 Macromolecules 3</p> <p>BCH4125 Cellular Regulation and Control 3</p> <p>BPS3101 Genomics 3</p> <p>or</p> <p>BPS4101 Human Genome Structure and Function 3</p> <p>(Winter)</p> <p>9 additional credits from the 3000-4000 level courses in biochemistry, biology, biopharmaceutical sciences, cellular and molecular medicine, chemistry, pharmacology, physiology or from the 5000-level courses in microbiology or immunology. 9</p> <p>Students who do not register to BCH4040 must take 18 credits (instead of nine) of the above elective courses to complete the requirements for the fourth year of the Honours program in Biochemistry.</p>	<p>Winter:</p> <p>BCH3120 General Intermediary Metabolism 3</p> <p>BCH3125 Protein Structure and Function 3</p> <p>BCH3346 Biochemistry Laboratory II 3</p> <p>It is recommended to add three non science electives (Fall, Winter, Summer) 9</p> <p>Compulsory credits in fourth year with a research project 21</p> <p>Fall:</p> <p>BCH4932 Biochemistry Seminar 3</p> <p>BCH4040 Honours Project – Biochemistry 9</p> <p>BCH4122 Macromolecules 3</p> <p>BCH4125 Cellular Regulation and Control 3</p> <p>BPS3101 Genomics 3</p> <p>or</p> <p>BPS4101 Human Genome Structure and Function 3</p> <p>(Winter)</p> <p>9 additional credits from the 3000-4000 level courses in biochemistry, biology, biopharmaceutical sciences, cellular and molecular medicine, chemistry, pharmacology, physiology or from the 5000-level courses in microbiology or immunology. 9</p> <p>Students who do not register to BCH4040 must take 18 credits (instead of nine) of the above elective courses to complete the requirements for the fourth year of the Honours program in Biochemistry.</p>
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