Honours in Biopharmaceutical Sciences (132 credits)	Honours in Biopharmaceutical Sciences (123 credits) Program abolished	
Requirements 2003-2005	New course codes 2006	
Compulsory first-year credits: 34 Suggested course stream for full-time students	Compulsory first-year credits: Suggested course stream for full-time students	30
Fall:	Fall:	
BIO1120 Introduction to Organismal Biology CHM1310 Principles of Chemistry ENG1**** 1000 or 2000 level MAT1320 Calculus I PHY1301 Principles of Physics I 3	CHM1311 Principles of Chemistry	3 3 3 3
Winter:	Winter:	
BIO1110 Introduction to Cell Biology CHM1320 Organic Chemistry I MAT1323 Calculus and Matrix Algebra  3	CHM1321 Organic Chemistry I	3
PHY1302 Principles of Physics II Three credits non-science electives	MAT1332 Calculus for the Life Sciences II PHY1322 Principles of Physics II	<b>3 3</b> 3
Compulsory second-year credits: 31	Compulsory second-year credits: 2	27
Fall:	Fall:	
BIO2127 Introduction to Plant Science: Biodiversity to Biotechnology CHM2120 Organic Chemistry II 3 CHM2126 Laboratory of Organic Chemistry II -2 CHM2132 Physical Chemistry for the Life Sciences 3 MAT2378 Probability and Statistics for the Natural Sciences 3	, ,	3 3 3 3
Winter:	Winter:	
BCH2140 Introduction to Biochemistry 3 BCH2336 Biochemistry Laboratory I 2	•	3
BIO2123 Genetics 4 PHI2396 Bioethics 3 Three credits non-science electives 3	BIO2133 Genetics PHI2396 Bioethics	<b>3</b> 3 3
Option: Genomics Compulsory credits: 31	Option: Genomics Compulsory credits:	30
Fall:	Fall:	
BCH3170 Molecular Biology 3 or BIO3170 Molecular Biology 3 BCH3356 Molecular Biology Laboratory 3 or	BCH3170 Molecular Biology or BIO3170 Molecular Biology BCH3356 Molecular Biology Laboratory or	3 3 3
BIO3151 Molecular Biology Laboratory 3 BPS3101 Genomics 3 BPS4000 Séminaire/Seminar 2	BIO3151 Molecular Biology Laboratory BPS3101 Genomics	3 3 <b>3</b>

Winter:

Winter:

DCH2120 C 11 ( 1' M ( 1 1'	2	DCH2120 C LL L' M ( L L'	2
BCH3120 General Intermediary Metabolism	3	BCH3120 General Intermediary Metabolism BIO2135 Animal Form and Function	3
BIO2103 Malaurian Frankrian	<del>5</del>		3
BIO3102 Molecular Evolution BPS4101 Human Genome Structure and Function	3	BIO3102 Molecular Evolution BPS4101 Human Genome Structure and Function	3
			3
BPS4104 Bioinformatics Laboratory	3	BPS4104 Bioinformatics Laboratory	3
PHA4107 Introductory Pharmacology – Drugs and	3	PHA4107 Introductory Pharmacology – Drugs and	3
Living System		Living System	
Electives: Genomics Option	27	Electives: Genomics Option	27
Electives. Genomics Option	21	Electives. Genomics Option	21
Fall:		Fall:	
ran.		I all.	
BCH4122 Macromolecules	3	BCH4122 Macromolecules	3
BIO3124 General Microbiology	3	BIO3124 General Microbiology	3
BIO3126 General Microbiology Laboratory	3	BIO3126 General Microbiology Laboratory	3
BIO3140 Plant Physiology and Biochemistry	3	BIO3140 Plant Physiology and Biochemistry	3
BIO3147 Developmental Biology	3	BIO3147 Developmental Biology	3
BIO3153 Cell Biology	3	BIO3153 Cell Biology	3
BIO3301 Animal Physiology I	3	BIO3301 Animal Physiology I	3
BIO4174 Biotechnology	3	BIO4174 Biotechnology	3
CHM3120 Intermediate Organic Chemistry	3	CHM3120 Intermediate Organic Chemistry	3
CHM4139 Enzyme and Bio-organic Chemistry	3	CHM4139 Enzyme and Bio-organic Chemistry	3
CSI1303 Introduction to Computing Concepts	<del>-4</del>	CSI1308 Introduction to Computing Concepts	3
MIC5124 Immunology	3	MIC5124 Immunology	3
MIC5326 Virology	3	MIC5326 Virology	3
MIC5500 Pathogens and the Environment	3	MIC5500 Pathogens and the Environment	3
PHS3240 Mammalian Physiology	3	PHS3240 Mammalian Physiology	3
Winter:		Winter:	
White:		White:	
BCH3125 Protein Structure and Function	3	BCH3125 Protein Structure and Function	3
BCH4125 Cellular Regulation and Control	3	BCH4125 Cellular Regulation and Control	3
BIO3152 Cell Biology Laboratory	3	BIO3152 Cell Biology Laboratory	3
BIO3302 Animal Physiology II	3	BIO3302 Animal Physiology II	3
BIO4109 Advanced Topics in Animal Development	3	BIO4109 Advanced Topics in Animal Development	3
BIO4115 Molecular Genetics	3	BIO4115 Molecular Genetics	3
BIO4129 The Bacterial Cell	3	BIO4129 The Bacterial Cell	3
BIO4144 Plant Biochemistry and Molecular Biology	3	BIO4144 Plant Biochemistry and Molecular Biology	3
BPS4102 Pharmaceuticals: Federal and International	3	BPS4102 Pharmaceuticals: Federal and International	3
Regulations		Regulations	
BPS4123 Phytomedicines and Natural Product Drugs	3	BPS4123 Phytomedicines and Natural Product Drugs	3
BPS4125 Medicinal Chemistry	3	BPS4125 Medicinal Chemistry	3
MIC5224 Pathogenic Bacteriology	3	MIC5224 Pathogenic Bacteriology	3
Option: Medicinal Chemistry		Option: Medicinal Chemistry	
Compulsory credits:	<del>37</del>	Compulsory credits:	36
*		Y	2.0
Fall:		Fall:	
BCH3170 Molecular Biology	3	BCH3170 Molecular Biology	3
or		or	
BIO3170 Molecular Biology	3	BIO3170 Molecular Biology	3
BCH3356 Molecular Biology Laboratory	3	BCH3356 Molecular Biology Laboratory	3
or		or	
BIO3151 Molecular Biology Laboratory	3	BIO3151 Molecular Biology Laboratory	3
BPS4000 Séminaire/Seminar	2	BPS4900 Séminaire/Seminar	3
CHM2154 Analytical Chemistry	3	CHM2354 Analytical Chemistry	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
CHM3126 Laboratory of Organic Chemistry	3	CHM3126 Laboratory of Organic Chemistry	3
CHM4116 Advanced Instrumental Analysis Laboratory	3	CHM4116 Advanced Instrumental Analysis Laboratory	3
I .			

BPS4125 Medicinal Chemistry CHM2118 Laboratory of Analytical Chemistry CHM2311 Introduction to Structure and Bonding PHA4107 Introductory Pharmacology – Drugs and Living System  Electives: Medicinal Chemistry CHM4139 Enzyme and Bio-organic Chemistry CHM4139 Enzyme and Bio-organic Chemistry CHM4141 Computational Chemistry I CHM4325 Advanced Organic Synthesis and Reaction Mechanisms. CHM4328 Special Topics in Organic Chemistry  Group B  BCH3125 Protein Structure and Function BCH4122 Macromolecules BCH4125 Cellular Regulation and Control BIO4115 Molecular Genetics BIO4116 Molecular Genetics BIO4174 Biotechnology BPS4129 Chemical Biology BPS4123 Phytomedicines and Natural Product Drugs BPS4123 Phytomedicines and Natural Product Drugs BPS4126 Synthetic and Medicinal Chemistry Laboratory BPS4126 Synthetic and Medicinal Chemistry Laboratory BPS4126 Synthetic and Medicinal Chemistry Laboratory CHM230 Physical Chemistry: Introduction to the molecular properties of matter CHM3125-Polymer and applied Chemistry CHM4315 Advanced Analytical Chemistry CHM4317 Organometallic Chemistry CHM4317 Organometallic Chemistry Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130 As an option from group B.  Honours Research Project  BPS4006 Projet de recherche / Honours Project  BPS4006 Projet de recherche / Honours Project  9 BPS4006 or	General Intermediary Metabolism Medicinal Chemistry Laboratory of Analytical Chemistry Introduction to Structure and Bonding Introductory Pharmacology – Drugs and Living System  Medicinal Chemistry  Enzyme and Bio-organic Chemistry Computational Chemistry I Advanced Organic Synthesis and Reaction Mechanisms. Special Topics in Organic Chemistry  Protein Structure and Function Macromolecules Cellular Regulation and Control Molecular Genetics Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter Folymer and applied Chemistry Transition Metal Chemistry	3 3 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
BPS4125 Medicinal Chemistry CHM2118 Laboratory of Analytical Chemistry CHM2311 Introduction to Structure and Bonding PHA4107 Introductory Pharmacology – Drugs and Living System  Electives: Medicinal Chemistry Group A  CHM4139 Enzyme and Bio-organic Chemistry CHM4141 Computational Chemistry I CHM4139 Enzyme and Bio-organic Chemistry I CHM4325 Advanced Organic Synthesis and Reaction Mechanisms.  CHM4328 Special Topics in Organic Chemistry I CHM4329 Encyme and Bio-organic Chemistry I CHM4329 Special Topics in Organic Chemistry I CHM4320 Special Topics in Organic Chemistry I CHM43215 Protein Structure and Function I BCH3125 Protein Structure and Function I BCH4125 Macromolecules I BCH4126 Cellular Regulation and Control I BCH4127 Molecular Genetics I BIO4115 Molecular Genetics I BIO4115 Molecular Genetics I BIO41174 Biotechnology I BPS4120 Chemical Biology I BPS4121 Phytomedicines and Natural Product Drugs I BPS4123 Phytomedicines and Natural Product Drugs I BPS4129 Chemical Biology I BPS4129 Chemical Biology I BPS4120 Physical Chemistry: Introduction to the I I BPS4123 Phytomedicines and Natural Product Drugs I BPS4126 Synthetic and Medicinal Chemistry Laboratory I BPS4127 Polymer and applied Chemistry I CHM43150 Transition Metal C	Medicinal Chemistry  Laboratory of Analytical Chemistry  Introduction to Structure and Bonding Introductory Pharmacology – Drugs and Living System  Medicinal Chemistry  Enzyme and Bio-organic Chemistry Computational Chemistry I Advanced Organic Synthesis and Reaction Mechanisms.  Special Topics in Organic Chemistry  Protein Structure and Function Macromolecules Cellular Regulation and Control Molecular Genetics Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter Folymer and applied Chemistry	3 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
CHM2311 Introduction to Structure and Bonding PHA4107 Introductory Pharmacology – Drugs and Living System  Electives: Medicinal Chemistry 21 Electives: Medicinal Chemistry 9 Group A 9 Group A 9 CHM4139 Enzyme and Bio-organic Chemistry 1 3 CHM414 Computational Chemistry I 3 CHM414 ChM4325 Advanced Organic Synthesis and Reaction Mechanisms.  CHM4328 Special Topics in Organic Chemistry 3 CHM4328 Special Topics in Organic Chemistry 3 CHM4328 Special Topics in Organic Chemistry 3 CHM4328 Electives and Function 3 BCH3125 Protein Structure and Function 3 BCH3125 Protein Structure and Function 3 BCH4122 Macromolecules 3 BCH4125 Cellular Regulation and Control 3 BCH412 BIO4115 Molecular Genetics 3 BIO41174 Biotechnology 3 BIO4174 Biotechnology 3 BIO4174 Biotechnology 3 BPS4129 Chemical Biology 3 BPS4129 Chemical Biology 3 BPS4129 Physical Chemistry Laboratory 3 BPS4128 Physiomedicines and Natural Product Drugs 3 BPS4128 BPS4126 Synthetic and Medicinal Chemistry Laboratory 3 BPS4127 Physical Chemistry: Introduction to the molecular properties of matter CHM3125—Polymer and applied Chemistry 3 CHM431 CHM315 Advanced Analytical Chemistry 3 CHM315 CHM317 Organometallic Chemistry 3 CHM317 Organometallic Chemistry 3 CHM317 Organometallic Chemistry 3 CHM317 CHM319 Bio-Inorganic Chemistry 3 CHM318 CHM319 Bio-Inorganic Chem	Introduction to Structure and Bonding Introductory Pharmacology – Drugs and Living System  Medicinal Chemistry  Enzyme and Bio-organic Chemistry Computational Chemistry I Advanced Organic Synthesis and Reaction Mechanisms. Special Topics in Organic Chemistry  Protein Structure and Function Macromolecules Cellular Regulation and Control Molecular Genetics Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter Folymer and applied Chemistry	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
PHA4107 Introductory Pharmacology – Drugs and Living System  Electives: Medicinal Chemistry Group A  CHM4139 Enzyme and Bio-organic Chemistry CHM4141 Computational Chemistry I 3 CHM414 CHM4325 Advanced Organic Synthesis and Reaction Mechanisms.  CHM4328 Special Topics in Organic Chemistry 3 CHM432 Group B  BCH3125 Protein Structure and Function 3 BCH312 Macromolecules 3 BCH4122 Macromolecules 3 BCH4125 Cellular Regulation and Control 3 BCH412 Molecular Genetics 3 BIO4115 BIO4117 Molecular Genetics 3 BIO4115 BIO4174 Biotechnology 3 BPS4123 Phytomedicines and Natural Product Drugs 3 BPS4123 BPS4123 Phytomedicines and Natural Product Drugs 3 BPS4123 BPS4126 Synthetic and Medicinal Chemistry Laboratory 3 BPS4126 CHM2330 Physical Chemistry: Introduction to the molecular properties of matter CHM3125 Polymer and applied Chemistry 3 CHM431 CHM4315 Advanced Analytical Chemistry 3 CHM431 CHM4317 Organometallic Chemistry 3 CHM431 Organometallic Chem	Introductory Pharmacology – Drugs and Living System  Medicinal Chemistry  Enzyme and Bio-organic Chemistry Computational Chemistry I Advanced Organic Synthesis and Reaction Mechanisms. Special Topics in Organic Chemistry  Protein Structure and Function Macromolecules Cellular Regulation and Control Molecular Genetics Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter Folymer and applied Chemistry	3 21 9 3 3 3 3 3 12 3 3 3 3 3 3 3 3 3 3 3 3 3
Electives: Medicinal Chemistry Group A  CHM4139 Enzyme and Bio-organic Chemistry CHM4141 Computational Chemistry I CHM4125 Advanced Organic Synthesis and Reaction Mechanisms.  CHM4328 Special Topics in Organic Chemistry  Group B  BCH3125 Protein Structure and Function BCH4122 Macromolecules BCH4125 Cellular Regulation and Control BIO4115 Molecular Genetics BIO4174 Biotechnology BPS4129 Chemical Biology BPS4120 Synthetic and Medicinal Chemistry Laboratory BPS4126 Synthetic and Medicinal Chemistry Laboratory CHM4319 Physical Chemistry: Introduction to the molecular properties of matter CHM3125-Polymer and applied Chemistry CHM4315 Advanced Analytical Chemistry CHM4316 Transition Metal Chemistry CHM4317 Organometallic Chemistry CHM4319 Bio-Inorganic Chemistry CHM4310 Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130 CHM04130 CHM04310 Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130 CHM04310 Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130 CHM04310 Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130 CHM04310 Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130 CHM04310 Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130 CHM04310 Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130 CHM04310 CHM	Living System  Medicinal Chemistry  Enzyme and Bio-organic Chemistry Computational Chemistry I Advanced Organic Synthesis and Reaction Mechanisms. Special Topics in Organic Chemistry  Protein Structure and Function Macromolecules Cellular Regulation and Control Molecular Genetics Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter Folymer and applied Chemistry	21 9 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Group A  CHM4139 Enzyme and Bio-organic Chemistry CHM4141 Computational Chemistry I CHM4325 Advanced Organic Synthesis and Reaction Mechanisms.  CHM4328 Special Topics in Organic Chemistry Group B  BCH3125 Protein Structure and Function BCH4122 Macromolecules BCH4125 Cellular Regulation and Control BIO4115 Molecular Genetics BIO4174 Biotechnology BPS4129 Chemical Biology BPS4120 Physomedicines and Natural Product Drugs BPS4123 Phytomedicines and Natural Product Drugs BPS4123 Phystomedicines and Natural Product Drugs BPS4126 Synthetic and Medicinal Chemistry Laboratory CHM2130 Physical Chemistry: Introduction to the molecular properties of matter CHM3125 Polymer and applied Chemistry CHM4315 Transition Metal Chemistry CHM4317 Organometallic Chemistry CHM4317 Organometallic Chemistry CHM4319 Bio-Inorganic Chemistry CHM4310 Student intending to pursue graduate studies in a chemistry CHM4310 CSI1303 Introduction to Computing Concepts  Honours Research Project  Genomics: One of the following two options for the Honours Research Project  Genomics: One of the following two options for the Honours Research Project.  BPS4006 Projet de recherche / Honours Project  or BPS4006 Projet de recherche / Honours Project  9 BPS4006 0r BPS4127 Advanced Techniques in Biosciences 3 CHM432	Enzyme and Bio-organic Chemistry Computational Chemistry I Advanced Organic Synthesis and Reaction Mechanisms. Special Topics in Organic Chemistry  Protein Structure and Function Macromolecules Cellular Regulation and Control Molecular Genetics Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter Folymer and applied Chemistry	9 3 3 3 3 12 3 3 3 3 3 3 3 3 3 3 3 3 3 3
CHM4139 Enzyme and Bio-organic Chemistry CHM4141 Computational Chemistry I CHM4325 Advanced Organic Synthesis and Reaction Mechanisms. CHM4328 Special Topics in Organic Chemistry  Group B  BCH3125 Protein Structure and Function BCH4122 Macromolecules BCH4125 Cellular Regulation and Control BIO4115 Molecular Genetics BIO41174 Biotechnology BPS4129 Chemical Biology BPS4129 Chemical Biology BPS4120 Phytomedicines and Natural Product Drugs BPS4123 Phytomedicines and Natural Product Drugs BPS4126 Synthetic and Medicinal Chemistry Laboratory CHM2130 Physical Chemistry: Introduction to the molecular properties of matter CHM3125-Polymer and applied Chemistry CHM3150 Transition Metal Chemistry CHM4315 Advanced Analytical Chemistry CHM4317 Organometallic Chemistry CHM4317 Organometallic Chemistry CHM4319 Bio-Inorganic Chemistry CHM4310 Chemistry CHM43110 Ch	Computational Chemistry I Advanced Organic Synthesis and Reaction Mechanisms. Special Topics in Organic Chemistry  Protein Structure and Function Macromolecules Cellular Regulation and Control Molecular Genetics Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter Folymer and applied Chemistry	3 3 3 3 3 3 3 3 3 3 3
CHM4141 Computational Chemistry I CHM4325 Advanced Organic Synthesis and Reaction Mechanisms.  CHM4328 Special Topics in Organic Chemistry  BCH3125 Protein Structure and Function BCH4122 Macromolecules BCH4122 Macromolecules BCH4125 Cellular Regulation and Control BIO4115 Molecular Genetics BIO4116 Molecular Genetics BIO4174 Biotechnology BPS4129 Chemical Biology BPS3101 Genomics BPS4123 Phytomedicines and Natural Product Drugs BPS4126 Synthetic and Medicinal Chemistry Laboratory BPS4126 Synthetic and Medicinal Chemistry Laboratory BPS4127 Polymer and applied Chemistry CHM4315 Transition Metal Chemistry CHM4315 Transition Metal Chemistry CHM4317 Organometallic Chemistry CHM4317 Organometallic Chemistry CHM4318 Bio-Inorganic Chemistry CHM4319 Bio-Inorganic Chemistry CHM4310 Three credits from group A CSI1303 Introduction to Computing Concepts  Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130 As an option from group B.  Honours Research Project  Genomics: One of the following two options for the Honours Research Project.  BPS4006 Projet de recherche / Honours Project  or BPS4127 Advanced Techniques in Biosciences  3 CHM432 CHM432 CHM432 CHM4317 Organometallic Chemistry Department are strongly encouraged to choose CHM2130 As an option from group B.  BCH3127 Advanced Techniques in Biosciences  3 CHM411 CHM410 CHM432 CHM431 CHM4	Computational Chemistry I Advanced Organic Synthesis and Reaction Mechanisms. Special Topics in Organic Chemistry  Protein Structure and Function Macromolecules Cellular Regulation and Control Molecular Genetics Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter Folymer and applied Chemistry	3 3 12 3 3 3 3 3 3
CHM4325 Advanced Organic Synthesis and Reaction Mechanisms.  CHM4328 Special Topics in Organic Chemistry  Group B  BCH3125 Protein Structure and Function BCH4122 Macromolecules BCH4125 Cellular Regulation and Control BIO4115 Molecular Genetics BIO4114 Biotechnology BPS4129 Chemical Biology BPS4129 Chemical Biology BPS4129 Phytomedicines and Natural Product Drugs BPS4123 Phytomedicines and Natural Product Drugs BPS4126 Synthetic and Medicinal Chemistry Laboratory BPS4126 Synthetic and Medicinal Chemistry Laboratory BPS4127 Polymer and applied Chemistry CHM3150 Transition Metal Chemistry CHM3150 Transition Metal Chemistry CHM4315 Advanced Analytical Chemistry CHM4317 Organometallic Chemistry CHM4319 Bio-Inorganic Chemistry CHM4319 Bio-Inorganic Chemistry CHM4319 Bio-Inorganic Chemistry CHM4310 Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130 Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130 As an option from group B.  Honours Research Project  BPS4006 Projet de recherche / Honours Project  BPS4006 Projet de reche	Advanced Organic Synthesis and Reaction Mechanisms.  Special Topics in Organic Chemistry  Protein Structure and Function Macromolecules Cellular Regulation and Control Molecular Genetics Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter S Polymer and applied Chemistry	3 12 3 3 3 3 3 3 3 3
Mechanisms.  CHM4328 Special Topics in Organic Chemistry  BCH3125 Protein Structure and Function  BCH4122 Macromolecules  BCH4125 Cellular Regulation and Control  BIO4115 Molecular Genetics  BIO4116 Molecular Genetics  BIO4174 Biotechnology  BPS4129 Chemical Biology  BPS3101 Genomics  BPS4123 Phytomedicines and Natural Product Drugs  BPS4126 Synthetic and Medicinal Chemistry Laboratory  BPS4126 Synthetic and Medicinal Chemistry Laboratory  BPS4127 Polymer and applied Chemistry  CHM2130 Physical Chemistry: Introduction to the molecular properties of matter  CHM3125 Polymer and applied Chemistry  CHM3150 Transition Metal Chemistry  CHM4315 Advanced Analytical Chemistry  CHM4317 Organometallic Chemistry  CHM4317 Organometallic Chemistry  CHM4319 Bio-Inorganic Chemistry  CHM4319 Bio-Inorganic Chemistry  CHM4310 Student intending to pursue graduate studies in a chemistry  Department are strongly encouraged to choose CHM2130  Student intending to pursue graduate studies in a chemistry  Department are strongly encouraged to choose CHM2130  As an option from group B.  Honours Research Project  BPS4006 Projet de recherche / Honours Project  Or  BPS4127 Advanced Techniques in Biosciences  3 CHM432  CHM432  CHM433  CHM431  CHM431	Mechanisms. Special Topics in Organic Chemistry  Protein Structure and Function Macromolecules Cellular Regulation and Control Molecular Genetics Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter Polymer and applied Chemistry	3 12 3 3 3 3 3 3 3 3
Group B  BCH3125 Protein Structure and Function BCH4122 Macromolecules BCH4125 Cellular Regulation and Control BIO4115 Molecular Genetics BIO4174 Biotechnology BPS4129 Chemical Biology BPS3101 Genomics BPS4123 Phytomedicines and Natural Product Drugs BPS4123 Phytomedicines and Natural Product Drugs BPS4126 Synthetic and Medicinal Chemistry Laboratory BPS4127 Physical Chemistry: Introduction to the molecular properties of matter CHM3125 Polymer and applied Chemistry CHM3150 Transition Metal Chemistry CHM4315 Organometallic Chemistry CHM4317 Organometallic Chemistry CHM4319 Bio-Inorganic Chemistry CHM4319 Bio-Inorganic Chemistry CHM4319 Bio-Inorganic Chemistry CHM4310 Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130 Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130 As an option from group B.  Honours Research Project  BPS4127 Advanced Techniques in Biosciences  3 CHM432 BPS4127 BPS4127 Advanced Techniques in Biosciences  3 CHM432 BCH412 BCH4	Protein Structure and Function Macromolecules Cellular Regulation and Control Molecular Genetics Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter Polymer and applied Chemistry	12 3 3 3 3 3 3 3 3
BCH3125 Protein Structure and Function  BCH4122 Macromolecules  BCH4122 Macromolecules  BCH4125 Cellular Regulation and Control  BIO4115 Molecular Genetics  BIO41174 Biotechnology  BPS4129 Chemical Biology  BPS4129 Chemical Biology  BPS4123 Phytomedicines and Natural Product Drugs  BPS4123 Phytomedicines and Natural Product Drugs  BPS4126 Synthetic and Medicinal Chemistry Laboratory  BPS4126 Synthetic and Medicinal Chemistry Laboratory  BPS4127 Physical Chemistry: Introduction to the molecular properties of matter  CHM2130 Physical Chemistry: Introduction to the molecular properties of matter  CHM3125 Polymer and applied Chemistry  CHM4315 Advanced Analytical Chemistry  CHM4317 Organometallic Chemistry  CHM4319 Bio-Inorganic Chemistry  CHM4319 Bio-Inorganic Chemistry  CHM4319 Bio-Inorganic Chemistry  CHM4310 Introduction to Computing Concepts  4 CSI1303 Introduction to Computing Concepts  Student intending to pursue graduate studies in a chemistry  Department are strongly encouraged to choose CHM2130  As an option from group B.  Honours Research Project  Genomics: One of the following two options for the Honours  Research Project.  BPS4006 Projet de recherche / Honours Project  9 BPS4006  or  BPS4127 Advanced Techniques in Biosciences  3 BCH412  BCH412  BCH412  BCH412  BPS4126  CHM431  CHM315  CHM431  CHM	Macromolecules Cellular Regulation and Control Molecular Genetics Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter S Polymer and applied Chemistry	3 3 3 3 3 3
BCH4122 Macromolecules BCH4125 Cellular Regulation and Control BIO4115 Molecular Genetics BIO4174 Biotechnology BPS4129 Chemical Biology BPS3101 Genomics BPS4123 Phytomedicines and Natural Product Drugs BPS4126 Synthetic and Medicinal Chemistry Laboratory BPS4126 Synthetic and Medicinal Chemistry Laboratory BPS4126 Synthetic and Medicinal Chemistry Laboratory CHM2130 Physical Chemistry: Introduction to the molecular properties of matter CHM3125 Polymer and applied Chemistry CHM4315 Advanced Analytical Chemistry CHM4317 Organometallic Chemistry CHM4317 Organometallic Chemistry CHM4319 Bio-Inorganic Chemistry CHM4319 Bio-Inorganic Chemistry CHM4319 Bio-Inorganic Chemistry CHM4310 Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130  Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130  Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130  As an option from group B.  Honours Research Project  BPS4006 Projet de recherche / Honours Project  or BPS4127 Advanced Techniques in Biosciences  3 BPC4127 BPC4125 BCH412 BIO41174 BIO4117	Macromolecules Cellular Regulation and Control Molecular Genetics Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter S Polymer and applied Chemistry	3 3 3 3 3
BCH4125 Cellular Regulation and Control  BIO4115 Molecular Genetics  BIO4174 Biotechnology  BPS4129 Chemical Biology  BPS3101 Genomics  BPS4123 Phytomedicines and Natural Product Drugs  BPS4126 Synthetic and Medicinal Chemistry Laboratory  CHM2130 Physical Chemistry: Introduction to the molecular properties of matter  CHM3125 Polymer and applied Chemistry  CHM4315 Advanced Analytical Chemistry  CHM4317 Organometallic Chemistry  CHM4319 Bio-Inorganic Chemistry  CHM4319 Bio-Inorganic Chemistry  CHM4319 Bio-Inorganic Chemistry  CHM4310 Student intending to pursue graduate studies in a chemistry  Department are strongly encouraged to choose CHM2130  As an option from group B.  CHM42130 BPS4126  Student intending to pursue graduate studies in a chemistry  Department are strongly encouraged to choose CHM2130  As an option from group B.  CHM4310 BPS4127 Advanced Techniques in Biosciences  BPS4006 Projet de recherche / Honours Project  BPS4006 Projet de recherche / Honours Project  BPS4026 BPS4127 Advanced Techniques in Biosciences  BPS4026 BPS4127 Advanced Techniques in Biosciences  BPS4127	Cellular Regulation and Control Molecular Genetics Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter S Polymer and applied Chemistry	3 3 3 3 3
BIO4115 Molecular Genetics  BIO4174 Biotechnology  BPS4129 Chemical Biology  BPS3101 Genomics  BPS4123 Phytomedicines and Natural Product Drugs  BPS4126 Synthetic and Medicinal Chemistry Laboratory  CHM2130 Physical Chemistry: Introduction to the molecular properties of matter  CHM3125 Polymer and applied Chemistry  CHM3150 Transition Metal Chemistry  CHM4315 Advanced Analytical Chemistry  CHM4317 Organometallic Chemistry  CHM4319 Bio-Inorganic Chemistry  CHM4319 Bio-Inorganic Chemistry  CHM4319 Bio-Inorganic Chemistry  CHM4319 Bio-Inorganic Chemistry  CHM4310 CHM4319 Bio-Inorganic Chemistry  CHM4310 CHM431	Molecular Genetics Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter Polymer and applied Chemistry	3 3 3 3
BIO4174 Biotechnology BPS4129 Chemical Biology BPS3101 Genomics BPS4123 Phytomedicines and Natural Product Drugs BPS4126 Synthetic and Medicinal Chemistry Laboratory BPS4126 Synthetic and Medicinal Chemistry Laboratory BPS4127 Physical Chemistry: Introduction to the molecular properties of matter CHM2130 Physical Chemistry: Introduction to the molecular properties of matter CHM3125 Polymer and applied Chemistry CHM3150 Transition Metal Chemistry CHM4315 Advanced Analytical Chemistry CHM4317 Organometallic Chemistry CHM4319 Bio-Inorganic Chemistry CHM4319 Bio-Inorganic Chemistry CHM4319 Bio-Inorganic Chemistry CHM43103 Introduction to Computing Concepts CHM4310 Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130 As an option from group B.  CHM623 CHM431 CHM4	Biotechnology Chemical Biology Genomics Phytomedicines and Natural Product Drugs Synthetic and Medicinal Chemistry Laboratory Physical Chemistry: Introduction to the molecular properties of matter S Polymer and applied Chemistry	3 3 3
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Student intending to pursue graduate studies in a chemistry Department are strongly encouraged to choose CHM2130 As an option from group B.  Honours Research Project  Genomics: One of the following two options for the Honours Research Project.  BPS4006 Projet de recherche / Honours Project or BPS4127 Advanced Techniques in Biosciences  Student in Department of Dep	Three credits from group A	3
Department are strongly encouraged to choose CHM2130 As an option from group B.  Honours Research Project  Genomics: One of the following two options for the Honours Research Project.  BPS4006 Projet de recherche / Honours Project 9 or BPS4127 Advanced Techniques in Biosciences 3  Department As an option of As an option of As an option of BPS4127 Advanced Techniques in Biosciences 3	ntroduction to Computing Concepts	3(4)
As an option from group B.  Honours Research Project  Genomics: One of the following two options for the Honours Research Project.  BPS4006 Projet de recherche / Honours Project 9 or BPS4127 Advanced Techniques in Biosciences 3  BPS4127	ending to pursue graduate studies in a chemistry	
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or BPS4127 Advanced Techniques in Biosciences 3 BPS4127	One of the following two options for the Honours roject.	
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	advanced Techniques in Biosciences	3
	six credits at the 3000 and/or 4000-level from	6
	cience electives.	
		ıe
BPS4005 Projet de recherche / Honours Project -8 BPS4903 Séminaire / Seminar 1	Chemistry: One of the following two options for the earch project	
or or	· · · · · · · · · · · · · · · · · · ·	9

BPS4126 Synthetic and Medicinal Chemistry Laboratory	3	BPS4126 Synthetic and Medicinal Chemistry Laboratory	3
and		and	
Six additional credits from group A and B	6	Six additional credits from group A and B	6
Cooperative Program :		Cooperative Program:	
BPS4917 Projet de recherche/ Honours Project	5	BPS4019 Projet de recherche / Honours Project	6
BPS4903 Séminaire/Seminar	1		
Plus six crédits additionnels des groupes A et B	3	plus	
		Plus six crédits additionnels des groupes A et B	3