Health Sciences

Graduation Requirements

In addition to the requirements listed below, students must satisfy:

1. The University regulations (see the Academic Regulations of the University section of this Calendar).

Students should consult with the department when planning their program and selecting courses.

Program Requirements

Students in the B.H.Sc. Honours program choose to follow one of five concentrations. The selection must take place at admission.

Health Sciences with Concentration B.H.Sc. Honours (20.0 credits)

A.	. Credits Included in the Major CGPA (10.0 credits)			
1.	2.0 credits in:		2.0	
	HLTH 1000 [0.5]	Fundamentals of Health		
	HLTH 2001 [0.5]	Health Research Methods and Skills		
	HLTH 2002 [0.5]	Biochemical Basis of Health and Pathology I		
	HLTH 2003 [0.5]	Social Determinants of Health		
2.	1.5 credits in:		1.5	
	a) Project/Field Pla	acement Stream		
	0.5 credit from:			
	HLTH 3901 [0.5]	Emerging Issues in Biomedical Science		
	HLTH 3902 [0.5]	Emerging Issues in Global Health		
	HLTH 3903 [0.5]	Emerging Issues in Environment and Health		
	HLTH 3904 [0.5]	Emerging Issues in Health Throughout the Lifespan		
	HLTH 3905 [0.5]	Emerging Issues in Disabilities and Chronic Illness		
	and			
	1.0 credit from:			
	HLTH 4907 [1.0]	Capstone Course – Group Research Project		
	HLTH 4908 [1.0]	Capstone Course – Individual Research Project		
	HLTH 4909 [1.0]	Capstone Course – Field Placement		
	OR			
	b) Essay Stream			
	0.5 credit in HLTH 6	elective at the 3000 level or above		
	and			
	1.0 credit in:			
	HLTH 4906 [1.0]	Capstone course – Research Essay		
3.	2.5 credits in HLTI	H at the 3000 level or above	2.5	
	4.0 credits in condabove	entration electives at the 3000 level	4.0	
	Credits Not Includ edits)	ed in the Major CGPA (10.0		

5	2.5 credits in:		2.5
٥.	BIOL 1103 [0.5]	Foundations of Biology I	2.5
	BIOL 1103 [0.5]	Foundations of Biology II	
	CHEM 1001 [0.5]	General Chemistry I	
	CHEM 1001 [0.5]	General Chemistry II	
	MATH 1007 [0.5]	Elementary Calculus I	
6	1.0 credit from:	Clementary Galculus I	1.0
0.	ECON 1000 [1.0]	Introduction to Economics	1.0
	PSYC 1001 [0.5]	Introduction to Psychology I	
	PSYC 1007 [0.5]		
7	1.0 credit in:	Introduction to Psychology II	1.0
7.		Introduction to Statistical Madelina	1.0
	STAT 2507 [0.5]	Introduction to Statistical Modeling I	
	STAT 2509 [0.5]	Introduction to Statistical Modeling	
8.	1.0 credit in:		1.0
	BIOL 2104 [0.5]	Introductory Genetics	
	BIOL 2200 [0.5]	Cellular Biochemistry	
9.	• •	ved 2000-level concentration	0.5
	ectives		
10	. 0.5 credit from:		0.5
	PHIL 1550 [0.5]	Introduction to Ethics and Social Issues	
	PHIL 2408 [0.5]	Bioethics	
11	. 3.5 credits in free	e electives.	3.5
	OTE: The maximum of concentrations for	allowed combined number of minors any student is two.	
To	tal Credits		20.0
C.	ncontration in Ric	medical Sciences (7.0 credits)	
	Dicentiation in Dio	inedical ociences (1.0 credits)	
1	0.5 credit from:		0.5
1.	0.5 credit from:	Microbiology	0.5
1.	BIOL 2303 [0.5]	Microbiology	0.5
1.	BIOL 2303 [0.5] CHEM 2800 [0.5]	Foundations for Environmental Chemistry	0.5
1.	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition	0.5
1.	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour	0.5
	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of	
	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in:	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology	3.5
	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: BIOL 3104 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour	
	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in:	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology	
	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: BIOL 3104 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Molecular Genetics Human and Comparative	
	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: BIOL 3104 [0.5] BIOL 3305 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Molecular Genetics Human and Comparative Physiology	
	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: BIOL 3104 [0.5] BIOL 3305 [0.5] or BIOL 3306 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Molecular Genetics Human and Comparative Physiology Human Anatomy and Physiology Advanced Human Anatomy and	
	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: BIOL 3104 [0.5] BIOL 3305 [0.5] or BIOL 3306 [0.5] BIOL 3307 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Molecular Genetics Human and Comparative Physiology Human Anatomy and Physiology Advanced Human Anatomy and Physiology	
	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: BIOL 3104 [0.5] BIOL 3305 [0.5] or BIOL 3306 [0.5] BIOL 3307 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Molecular Genetics Human and Comparative Physiology Human Anatomy and Physiology Advanced Human Anatomy and Physiology Epidemiology	
	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: BIOL 3104 [0.5] BIOL 3305 [0.5] or BIOL 3306 [0.5] BIOL 3307 [0.5] HLTH 3201 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Molecular Genetics Human and Comparative Physiology Human Anatomy and Physiology Advanced Human Anatomy and Physiology Epidemiology Microbiology and Virology Immunity and Immune-Related	
2.	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: BIOL 3104 [0.5] BIOL 3305 [0.5] or BIOL 3306 [0.5] BIOL 3307 [0.5] HLTH 3201 [0.5] HLTH 3301 [0.5] HLTH 3302 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Molecular Genetics Human and Comparative Physiology Human Anatomy and Physiology Advanced Human Anatomy and Physiology Epidemiology Microbiology and Virology Immunity and Immune-Related Disorders Biochemical Basis of Health and	
2.	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: BIOL 3104 [0.5] BIOL 3305 [0.5] or BIOL 3306 [0.5] HLTH 3201 [0.5] HLTH 3301 [0.5] HLTH 3302 [0.5] HLTH 3302 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Molecular Genetics Human and Comparative Physiology Human Anatomy and Physiology Advanced Human Anatomy and Physiology Epidemiology Microbiology and Virology Immunity and Immune-Related Disorders Biochemical Basis of Health and Pathology II Advanced and Quantitative	3.5
2.	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: BIOL 3104 [0.5] BIOL 3305 [0.5] or BIOL 3306 [0.5] HLTH 3201 [0.5] HLTH 3301 [0.5] HLTH 3302 [0.5] HLTH 3303 [0.5] HLTH 3303 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Molecular Genetics Human and Comparative Physiology Human Anatomy and Physiology Advanced Human Anatomy and Physiology Epidemiology Microbiology and Virology Immunity and Immune-Related Disorders Biochemical Basis of Health and Pathology II	3.5
3.	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: BIOL 3104 [0.5] BIOL 3305 [0.5] or BIOL 3306 [0.5] HLTH 3201 [0.5] HLTH 3301 [0.5] HLTH 3302 [0.5] HLTH 3303 [0.5] HLTH 4201 [0.5] HLTH 4201 [0.5] HLTH 4201 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Molecular Genetics Human and Comparative Physiology Human Anatomy and Physiology Advanced Human Anatomy and Physiology Epidemiology Microbiology and Virology Immunity and Immune-Related Disorders Biochemical Basis of Health and Pathology II Advanced and Quantitative Epidemiology	0.5
3.	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: BIOL 3104 [0.5] BIOL 3305 [0.5] or BIOL 3306 [0.5] HLTH 3201 [0.5] HLTH 3301 [0.5] HLTH 3302 [0.5] HLTH 3303 [0.5] HLTH 4201 [0.5] HLTH 4201 [0.5] HLTH 4201 [0.5] HLTH 4202 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Molecular Genetics Human and Comparative Physiology Human Anatomy and Physiology Advanced Human Anatomy and Physiology Epidemiology Microbiology and Virology Immunity and Immune-Related Disorders Biochemical Basis of Health and Pathology II Advanced and Quantitative Epidemiology Health Program Evaluation Tools and Methods	3.5
3.	BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: BIOL 3104 [0.5] BIOL 3305 [0.5] or BIOL 3306 [0.5] HLTH 3201 [0.5] HLTH 3301 [0.5] HLTH 3302 [0.5] HLTH 3303 [0.5] HLTH 4201 [0.5] HLTH 4201 [0.5] HLTH 4201 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Molecular Genetics Human and Comparative Physiology Human Anatomy and Physiology Advanced Human Anatomy and Physiology Epidemiology Microbiology and Virology Immunity and Immune-Related Disorders Biochemical Basis of Health and Pathology II Advanced and Quantitative Epidemiology Health Program Evaluation Tools	0.5

HLTH 3502 [0.5]	Trauma-related Illness and Disability		BIOL 3305 [0.5]	Human and Comparative Physiology	
HLTH 4102 [0.5]	New Health Technologies		or BIOL 3306 [0.5]	Human Anatomy and Physiology	
HLTH 4301 [0.5]	Pandemics and Infectious Disease		BIOL 3307 [0.5]	Advanced Human Anatomy and	
HLTH 4302 [0.5]	Inflammatory and Endocrine Factors in Diseases		HLTH 3501 [0.5]	Physiology Diseases and Disabilities Related	
HLTH 4303 [0.5]	Pharmacotherapeutics			to Sensory Processes and	
NEUR 3501 [0.5]	Neurodegeneration and Aging			Movement	
5. 1.0 credit from:		1.0	HLTH 3502 [0.5]	Trauma-related Illness and	
BIOL 3202 [0.5]	Principles of Developmental		LUTU 4400 [0 5]	Disability	
	Biology		HLTH 4102 [0.5]	New Health Technologies	
BIOL 3501 [0.5]	Biomechanics		HLTH 4402 [0.5]	Psychosocial and Biological Mechanisms of Health	
BIOL 4202 [0.5]	Mutagenesis and DNA Repair		HLTH 4501 [0.5]	Chronic Illness and Disability	
ECON 4460 [0.5]	Health Economics		4. 0.5 credit from:	Cili ci ilicide di la Biodeliity	0.5
FOOD 3005 [0.5]	Food Microbiology		HLTH 3201 [0.5]	Epidemiology	0.0
FOOD 4201 [0.5]	Advanced Nutrition and Metabolism		HLTH 4202 [0.5]	Health Program Evaluation Tools	
FOOD 4202 [0.5]	Micronutrients and Health			and Methods	
GEOG 3206 [0.5]	Health, Environment, and Society		5. 1.5 credits from:		1.5
HLTH 3101 [0.5]	Global Health		BIOL 3501 [0.5]	Biomechanics	
HLTH 3102 [0.5]	Indigenous Health in a Global		NEUR 3501 [0.5]	Neurodegeneration and Aging	
HLTH 3103 [0.5]	World Health Policy and Canada's Health		HLTH 3103 [0.5]	Health Policy and Canada's Health Care System	
HLTH 3104 [0.5]	Care System Regulatory Issues and Human Health		HLTH 3104 [0.5]	Regulatory Issues and Human Health	
HLTH 3401 [0.5]	Diseases of Childhood		HLTH 3302 [0.5]	Immunity and Immune-Related	
HLTH 3402 [0.5]	Diseases of Aging			Disorders	
HLTH 3403 [0.5]	Gender and Health		HLTH 3401 [0.5]	Diseases of Childhood	
HLTH 3501 [0.5]	Diseases and Disabilities Related		HLTH 3402 [0.5]	Diseases of Aging	
	to Sensory Processes and Movement		HLTH 4302 [0.5]	Inflammatory and Endocrine Factors in Diseases	
					1 ()
HLTH 4101 [0.5]	Global Health Governance		6. 1.0 credit from:	Di-info-mati-	1.0
HLTH 4101 [0.5] HLTH 4401 [0.5]	Global Health Governance Maternal and Prenatal		BIOC 3008 [0.5]	Bioinformatics	1.0
			BIOC 3008 [0.5] BIOC 4708 [0.5]	Principles of Toxicology	1.0
	Maternal and Prenatal Determinants of Health Psychosocial and Biological		BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5]	Principles of Toxicology Molecular Genetics	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5]	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health		BIOC 3008 [0.5] BIOC 4708 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5]	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability		BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5]	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health		BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5]	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation		BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5] FOOD 3005 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics Food Microbiology	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5] HLTH 4901 [0.5]	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation Directed Studies in Health		BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5] HLTH 4901 [0.5] NEUR 3304 [0.5]	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation Directed Studies in Health Hormones and Behaviour		BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5] FOOD 3005 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics Food Microbiology Food Safety Risk Assessment,	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5] HLTH 4901 [0.5]	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation Directed Studies in Health Hormones and Behaviour Environmental Toxins and Mental		BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5] FOOD 3005 [0.5] FOOD 4103 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics Food Microbiology Food Safety Risk Assessment, Communication and Management I	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5] HLTH 4901 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5]	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation Directed Studies in Health Hormones and Behaviour Environmental Toxins and Mental Health		BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5] FOOD 3005 [0.5] FOOD 4103 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics Food Microbiology Food Safety Risk Assessment, Communication and Management I Advanced Nutrition and Metabolism	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5] HLTH 4901 [0.5] NEUR 3304 [0.5]	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation Directed Studies in Health Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants		BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5] FOOD 3005 [0.5] FOOD 4103 [0.5] FOOD 4201 [0.5] FOOD 4202 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics Food Microbiology Food Safety Risk Assessment, Communication and Management I Advanced Nutrition and Metabolism Micronutrients and Health	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5] HLTH 4901 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] NEUR 3502 [0.5] Total Credits	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation Directed Studies in Health Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health	7.0	BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5] FOOD 3005 [0.5] FOOD 4103 [0.5] FOOD 4201 [0.5] FOOD 4202 [0.5] GEOG 3206 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics Food Microbiology Food Safety Risk Assessment, Communication and Management I Advanced Nutrition and Metabolism Micronutrients and Health Health, Environment, and Society	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5] HLTH 4901 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] NEUR 3502 [0.5] Total Credits Concentration in Discredits)	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation Directed Studies in Health Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants		BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5] FOOD 3005 [0.5] FOOD 4103 [0.5] FOOD 4201 [0.5] FOOD 4202 [0.5] GEOG 3206 [0.5] NEUR 3304 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics Food Microbiology Food Safety Risk Assessment, Communication and Management I Advanced Nutrition and Metabolism Micronutrients and Health Health, Environment, and Society Hormones and Behaviour Environmental Toxins and Mental	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5] HLTH 4901 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] NEUR 3502 [0.5] Total Credits Concentration in Discredits) 1. 0.5 credit in:	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation Directed Studies in Health Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health	7.0	BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5] FOOD 3005 [0.5] FOOD 4103 [0.5] FOOD 4201 [0.5] FOOD 4202 [0.5] GEOG 3206 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics Food Microbiology Food Safety Risk Assessment, Communication and Management I Advanced Nutrition and Metabolism Micronutrients and Health Health, Environment, and Society Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health Global Health	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5] HLTH 4901 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] Total Credits Concentration in Discredits) 1. 0.5 credit in: NEUR 2200 [0.5]	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation Directed Studies in Health Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health	0.5	BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5] FOOD 3005 [0.5] FOOD 4103 [0.5] FOOD 4201 [0.5] FOOD 4202 [0.5] GEOG 3206 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics Food Microbiology Food Safety Risk Assessment, Communication and Management I Advanced Nutrition and Metabolism Micronutrients and Health Health, Environment, and Society Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5] HLTH 4901 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] NEUR 3502 [0.5] Total Credits Concentration in Discredits) 1. 0.5 credit in: NEUR 2200 [0.5] 2. 0.5 credit from:	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation Directed Studies in Health Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health sability and Chronic Illness (7.5		BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5] FOOD 3005 [0.5] FOOD 4103 [0.5] FOOD 4201 [0.5] FOOD 4202 [0.5] GEOG 3206 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] NEUR 3502 [0.5] HLTH 3101 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics Food Microbiology Food Safety Risk Assessment, Communication and Management I Advanced Nutrition and Metabolism Micronutrients and Health Health, Environment, and Society Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health Global Health Indigenous Health in a Global	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5] HLTH 4901 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] NEUR 3502 [0.5] Total Credits Concentration in Discredits) 1. 0.5 credit in: NEUR 2200 [0.5] 2. 0.5 credit from: BIOL 2303 [0.5]	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation Directed Studies in Health Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health sability and Chronic Illness (7.5 Biological Foundations of Behaviour Microbiology	0.5	BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5] FOOD 3005 [0.5] FOOD 4103 [0.5] FOOD 4201 [0.5] FOOD 4202 [0.5] GEOG 3206 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] NEUR 3502 [0.5] HLTH 3101 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics Food Microbiology Food Safety Risk Assessment, Communication and Management I Advanced Nutrition and Metabolism Micronutrients and Health Health, Environment, and Society Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health Global Health Indigenous Health in a Global World Microbiology and Virology Biochemical Basis of Health and	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5] HLTH 4701 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] NEUR 3502 [0.5] Total Credits Concentration in Discredits) 1. 0.5 credit in: NEUR 2200 [0.5] 2. 0.5 credit from: BIOL 2303 [0.5] CHEM 2800 [0.5]	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation Directed Studies in Health Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health sability and Chronic Illness (7.5 Biological Foundations of Behaviour Microbiology Foundations for Environmental Chemistry	0.5	BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5] FOOD 3005 [0.5] FOOD 4103 [0.5] FOOD 4201 [0.5] FOOD 4202 [0.5] GEOG 3206 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] NEUR 3502 [0.5] HLTH 3101 [0.5] HLTH 3102 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics Food Microbiology Food Safety Risk Assessment, Communication and Management I Advanced Nutrition and Metabolism Micronutrients and Health Health, Environment, and Society Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health Global Health Indigenous Health in a Global World Microbiology and Virology	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5] HLTH 4901 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] NEUR 3502 [0.5] Total Credits Concentration in Discredits) 1. 0.5 credit in: NEUR 2200 [0.5] 2. 0.5 credit from: BIOL 2303 [0.5]	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation Directed Studies in Health Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health sability and Chronic Illness (7.5 Biological Foundations of Behaviour Microbiology Foundations for Environmental Chemistry Principles of Nutrition	0.5	BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5] FOOD 3005 [0.5] FOOD 4103 [0.5] FOOD 4201 [0.5] FOOD 4202 [0.5] GEOG 3206 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] NEUR 3502 [0.5] HLTH 3101 [0.5] HLTH 3102 [0.5] HLTH 3301 [0.5] HLTH 3303 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics Food Microbiology Food Safety Risk Assessment, Communication and Management I Advanced Nutrition and Metabolism Micronutrients and Health Health, Environment, and Society Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health Global Health Indigenous Health in a Global World Microbiology and Virology Biochemical Basis of Health and Pathology II	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5] HLTH 4701 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] NEUR 3502 [0.5] Total Credits Concentration in Discredits) 1. 0.5 credit in: NEUR 2200 [0.5] 2. 0.5 credit from: BIOL 2303 [0.5] CHEM 2800 [0.5] FOOD 2001 [0.5] PSYC 2301 [0.5]	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation Directed Studies in Health Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health sability and Chronic Illness (7.5 Biological Foundations of Behaviour Microbiology Foundations for Environmental Chemistry	0.5	BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5] FOOD 3005 [0.5] FOOD 4103 [0.5] FOOD 4201 [0.5] GEOG 3206 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] NEUR 3502 [0.5] HLTH 3101 [0.5] HLTH 3102 [0.5] HLTH 3303 [0.5] HLTH 3303 [0.5] HLTH 3403 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics Food Microbiology Food Safety Risk Assessment, Communication and Management I Advanced Nutrition and Metabolism Micronutrients and Health Health, Environment, and Society Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health Global Health Indigenous Health in a Global World Microbiology and Virology Biochemical Basis of Health and Pathology II Gender and Health Global Health Governance Advanced and Quantitative	1.0
HLTH 4401 [0.5] HLTH 4402 [0.5] HLTH 4501 [0.5] HLTH 4601 [0.5] HLTH 4701 [0.5] HLTH 4901 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] NEUR 3502 [0.5] Total Credits Concentration in Discredits) 1. 0.5 credit in: NEUR 2200 [0.5] 2. 0.5 credit from: BIOL 2303 [0.5] CHEM 2800 [0.5]	Maternal and Prenatal Determinants of Health Psychosocial and Biological Mechanisms of Health Chronic Illness and Disability Environmental Pollution and Health Knowledge Translation Directed Studies in Health Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health sability and Chronic Illness (7.5 Biological Foundations of Behaviour Microbiology Foundations for Environmental Chemistry Principles of Nutrition	0.5	BIOC 3008 [0.5] BIOC 4708 [0.5] BIOL 3104 [0.5] BIOL 3202 [0.5] ECON 4460 [0.5] FOOD 3005 [0.5] FOOD 4103 [0.5] FOOD 4201 [0.5] GEOG 3206 [0.5] NEUR 3304 [0.5] NEUR 3401 [0.5] NEUR 3502 [0.5] HLTH 3101 [0.5] HLTH 3102 [0.5] HLTH 3303 [0.5] HLTH 3403 [0.5] HLTH 3403 [0.5]	Principles of Toxicology Molecular Genetics Principles of Developmental Biology Health Economics Food Microbiology Food Safety Risk Assessment, Communication and Management I Advanced Nutrition and Metabolism Micronutrients and Health Health, Environment, and Society Hormones and Behaviour Environmental Toxins and Mental Health Neurodevelopmental Determinants of Mental Health Global Health Indigenous Health in a Global World Microbiology and Virology Biochemical Basis of Health and Pathology II Gender and Health Global Health Governance	1.0

HLTH 4303 [0.5]	Pharmacotherapeutics	
HLTH 4401 [0.5] Maternal and Prenatal		
	Determinants of Health	
HLTH 4601 [0.5]	Environmental Pollution and Health	
HLTH 4701 [0.5]	Knowledge Translation	
HLTH 4901 [0.5]	Directed Studies in Health	
Total Credits		7.5
Concentration in En	vironment and Health (8.0 credits)	
1. 1.0 credit in:	(1111)	1.0
BIOL 2005 [0.5]	Human Physiology	
CHEM 2800 [0.5]	Foundations for Environmental Chemistry	
2. 0.5 credit from:		0.5
BIOL 2303 [0.5]	Microbiology	
FOOD 2001 [0.5]	Principles of Nutrition	
NEUR 2200 [0.5]	Biological Foundations of Behaviour	
PSYC 2301 [0.5]	Introduction to Health Psychology	
3. 3.5 credits in:		3.5
BIOC 4708 [0.5]	Principles of Toxicology	
CHEM 3800 [0.5]	The Chemistry of Environmental Pollutants	
HLTH 3104 [0.5]	Regulatory Issues and Human Health	
HLTH 3201 [0.5]	Epidemiology	
HLTH 3302 [0.5]	Immunity and Immune-Related Disorders	
HLTH 3303 [0.5]	Biochemical Basis of Health and Pathology II	
HLTH 4601 [0.5]	Environmental Pollution and Health	
4. 0.5 credit from:		0.5
HLTH 4201 [0.5]	Advanced and Quantitative Epidemiology	
HLTH 4202 [0.5]	Health Program Evaluation Tools and Methods	
5. 1.5 credits from:		1.5
BIOL 4202 [0.5]	Mutagenesis and DNA Repair	
CHEM 4800 [0.5]	Atmospheric Chemistry	
ECON 3804 [0.5]	Environmental Economics	
GEOG 3206 [0.5]	Health, Environment, and Society	
HLTH 3101 [0.5] HLTH 3402 [0.5]	Global Health Diseases of Aging	
HLTH 3402 [0.5] HLTH 4303 [0.5]	Pharmacotherapeutics	
NEUR 3401 [0.5]	Environmental Toxins and Mental	
. ,	Health	
6. 1.0 credit from:	Disinformation	1.0
BIOC 3008 [0.5] BIOL 3104 [0.5]	Bioinformatics Molecular Genetics	
BIOL 3104 [0.5] BIOL 3202 [0.5]	Principles of Developmental	
	Biology	
BIOL 3305 [0.5]	Human and Comparative Physiology	
or BIOL 3306 [0.5]	, , ,	
BIOL 3307 [0.5]	Advanced Human Anatomy and Physiology	
ECON 4460 [0.5]	Health Economics	
FOOD 3005 [0.5]	Food Microbiology	

	FOOD 4103 [0.5]	Food Safety Risk Assessment, Communication and Management I	
	HLTH 3102 [0.5]	Indigenous Health in a Global World	
	HLTH 3103 [0.5]	Health Policy and Canada's Health Care System	
	HLTH 3301 [0.5]	Microbiology and Virology	
	HLTH 3401 [0.5]	Diseases of Childhood	
	HLTH 3403 [0.5]	Gender and Health	
	HLTH 3501 [0.5]	Diseases and Disabilities Related	
	112111 000 1 [0.0]	to Sensory Processes and Movement	
	HLTH 3502 [0.5]	Trauma-related Illness and Disability	
	HLTH 4101 [0.5]	Global Health Governance	
	HLTH 4102 [0.5]	New Health Technologies	
	HLTH 4301 [0.5]	Pandemics and Infectious Disease	
	HLTH 4302 [0.5]	Inflammatory and Endocrine Factors in Diseases	
	HLTH 4401 [0.5]	Maternal and Prenatal Determinants of Health	
	HLTH 4402 [0.5]	Psychosocial and Biological Mechanisms of Health	
	HLTH 4501 [0.5]	Chronic Illness and Disability	
	HLTH 4701 [0.5]	Knowledge Translation	
	HLTH 4901 [0.5]	Directed Studies in Health	
To	tal Credits		8.0
_			
		bal Health (7.5 credits)	
1.	0.5 credit in:		0.5
_	BIOL 2005 [0.5]	Human Physiology	
2.	0.5 credit from:		0.5
	DIOI 0000 10 51		
	BIOL 2303 [0.5]	Microbiology	
	CHEM 2800 [0.5]	Foundations for Environmental Chemistry	
	CHEM 2800 [0.5] FOOD 2001 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition	
	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour	
	CHEM 2800 [0.5] FOOD 2001 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of	
3.	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour	3.5
3.	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour	3.5
3.	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in:	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology	3.5
3.	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: HLTH 3101 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Global Health Indigenous Health in a Global	3.5
3.	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: HLTH 3101 [0.5] HLTH 3102 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Global Health Indigenous Health in a Global World	3.5
3.	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: HLTH 3101 [0.5] HLTH 3102 [0.5] HLTH 3201 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Global Health Indigenous Health in a Global World Epidemiology	3.5
3.	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: HLTH 3101 [0.5] HLTH 3102 [0.5] HLTH 3201 [0.5] HLTH 3301 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Global Health Indigenous Health in a Global World Epidemiology Microbiology and Virology	3.5
3.	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: HLTH 3101 [0.5] HLTH 3102 [0.5] HLTH 3201 [0.5] HLTH 3301 [0.5] HLTH 4101 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Global Health Indigenous Health in a Global World Epidemiology Microbiology and Virology Global Health Governance	3.5
	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: HLTH 3101 [0.5] HLTH 3102 [0.5] HLTH 3201 [0.5] HLTH 3301 [0.5] HLTH 4101 [0.5] HLTH 4301 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Global Health Indigenous Health in a Global World Epidemiology Microbiology and Virology Global Health Governance Pandemics and Infectious Disease Maternal and Prenatal	3.5
	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: HLTH 3101 [0.5] HLTH 3102 [0.5] HLTH 3201 [0.5] HLTH 3301 [0.5] HLTH 4101 [0.5] HLTH 4301 [0.5] HLTH 4401 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Global Health Indigenous Health in a Global World Epidemiology Microbiology and Virology Global Health Governance Pandemics and Infectious Disease Maternal and Prenatal	
	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: HLTH 3101 [0.5] HLTH 3201 [0.5] HLTH 3301 [0.5] HLTH 4401 [0.5] HLTH 4401 [0.5] HLTH 4401 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Global Health Indigenous Health in a Global World Epidemiology Microbiology and Virology Global Health Governance Pandemics and Infectious Disease Maternal and Prenatal Determinants of Health Advanced and Quantitative	
4.	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: HLTH 3101 [0.5] HLTH 3102 [0.5] HLTH 3301 [0.5] HLTH 4101 [0.5] HLTH 4401 [0.5] HLTH 4401 [0.5] O.5 credit from: HLTH 4201 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Global Health Indigenous Health in a Global World Epidemiology Microbiology and Virology Global Health Governance Pandemics and Infectious Disease Maternal and Prenatal Determinants of Health Advanced and Quantitative Epidemiology Health Program Evaluation Tools	
4.	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: HLTH 3101 [0.5] HLTH 3102 [0.5] HLTH 3301 [0.5] HLTH 4101 [0.5] HLTH 4401 [0.5] HLTH 4401 [0.5] O.5 credit from: HLTH 4201 [0.5] HLTH 4202 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Global Health Indigenous Health in a Global World Epidemiology Microbiology and Virology Global Health Governance Pandemics and Infectious Disease Maternal and Prenatal Determinants of Health Advanced and Quantitative Epidemiology Health Program Evaluation Tools	0.5
4.	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: HLTH 3101 [0.5] HLTH 3201 [0.5] HLTH 3301 [0.5] HLTH 4101 [0.5] HLTH 4401 [0.5] HLTH 4401 [0.5] O.5 credit from: HLTH 4202 [0.5] 1.5 credit from:	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Global Health Indigenous Health in a Global World Epidemiology Microbiology and Virology Global Health Governance Pandemics and Infectious Disease Maternal and Prenatal Determinants of Health Advanced and Quantitative Epidemiology Health Program Evaluation Tools and Methods Health, Environment, and Society Health Policy and Canada's Health	0.5
4.	CHEM 2800 [0.5] FOOD 2001 [0.5] NEUR 2200 [0.5] PSYC 2301 [0.5] 3.5 credits in: HLTH 3101 [0.5] HLTH 3102 [0.5] HLTH 3301 [0.5] HLTH 4301 [0.5] HLTH 4401 [0.5] HLTH 4401 [0.5] HLTH 4201 [0.5] HLTH 4202 [0.5] 1.5 credit from: GEOG 3206 [0.5]	Foundations for Environmental Chemistry Principles of Nutrition Biological Foundations of Behaviour Introduction to Health Psychology Global Health Indigenous Health in a Global World Epidemiology Microbiology and Virology Global Health Governance Pandemics and Infectious Disease Maternal and Prenatal Determinants of Health Advanced and Quantitative Epidemiology Health Program Evaluation Tools and Methods Health, Environment, and Society	0.5

	HLTH 3303 [0.5]	Biochemical Basis of Health and Pathology II			BIOL 3307 [0.5]	Advanced Human Anatomy and Physiology	
	HLTH 3403 [0.5]	Gender and Health			HLTH 3201 [0.5]	Epidemiology	
	HLTH 4102 [0.5]	New Health Technologies			HLTH 3401 [0.5]	Diseases of Childhood	
	HLTH 4303 [0.5]	Pharmacotherapeutics			HLTH 3402 [0.5]	Diseases of Aging	
	HLTH 4601 [0.5]	Environmental Pollution and Health			HLTH 4401 [0.5]	Maternal and Prenatal	
6.	1.0 credit from:		1.0			Determinants of Health	
	BIOC 3008 [0.5]	Bioinformatics			NEUR 3304 [0.5]	Hormones and Behaviour	
	BIOC 4708 [0.5]	Principles of Toxicology		4	I. 0.5 credit from:		0.5
	BIOL 3305 [0.5]	Human and Comparative Physiology			HLTH 4201 [0.5]	Advanced and Quantitative Epidemiology	
	or BIOL 3306 [0.5]	Human Anatomy and Physiology			HLTH 4202 [0.5]	Health Program Evaluation Tools	
	BIOL 3307 [0.5]	Advanced Human Anatomy and				and Methods	
		Physiology		5	5. 1.5 credits from:		1.5
	BIOL 3104 [0.5]	Molecular Genetics			HLTH 3103 [0.5]	Health Policy and Canada's Health	
	ECON 4460 [0.5]	Health Economics				Care System	
	FOOD 3005 [0.5]	Food Microbiology			HLTH 3303 [0.5]	Biochemical Basis of Health and Pathology II	
	FOOD 4103 [0.5]	Food Safety Risk Assessment,			HLTH 3403 [0.5]	Gender and Health	
		Communication and Management I					
	FOOD 4201 [0.5]	Advanced Nutrition and Metabolism			HLTH 4302 [0.5]	Inflammatory and Endocrine Factors in Diseases	
	FOOD 4202 [0.5]	Micronutrients and Health			HLTH 4402 [0.5]	Psychosocial and Biological	
	HLTH 3302 [0.5]	Immunity and Immune-Related Disorders				Mechanisms of Health	
	HLTH 3401 [0.5]	Diseases of Childhood			HLTH 4501 [0.5]	Chronic Illness and Disability	
	HLTH 3402 [0.5]	Diseases of Aging			NEUR 3501 [0.5]	Neurodegeneration and Aging	
	HLTH 3501 [0.5]	Diseases and Disabilities Related to Sensory Processes and			NEUR 3502 [0.5] 6. 1.0 credit from:	Neurodevelopmental Determinants of Mental Health	1.0
		Movement		0		Disinformation	1.0
	HLTH 3502 [0.5]	Trauma-related Illness and			BIOC 3008 [0.5]	Bioinformatics	
		Disability			BIOC 4708 [0.5]	Principles of Toxicology	
	HLTH 4302 [0.5]	Inflammatory and Endocrine			BIOL 3104 [0.5]	Molecular Genetics	
	HLTH 4402 [0.5]	Factors in Diseases Psychosocial and Biological			BIOL 3202 [0.5]	Principles of Developmental Biology	
		Mechanisms of Health			BIOL 3501 [0.5]	Biomechanics	
	HLTH 4501 [0.5]	Chronic Illness and Disability			ECON 4460 [0.5]	Health Economics	
	HLTH 4701 [0.5]	Knowledge Translation			FOOD 3005 [0.5]	Food Microbiology	
	HLTH 4901 [0.5]	Directed Studies in Health			FOOD 4103 [0.5]	Food Safety Risk Assessment,	
	NEUR 3304 [0.5]	Hormones and Behaviour				Communication and Management I	
	NEUR 3401 [0.5]	Environmental Toxins and Mental			FOOD 4201 [0.5]	Advanced Nutrition and Metabolism	
		Health			FOOD 4202 [0.5]	Micronutrients and Health	
	NEUR 3501 [0.5]	Neurodegeneration and Aging			GEOG 3206 [0.5]	Health, Environment, and Society	
	NEUR 3502 [0.5]	Neurodevelopmental Determinants			HLTH 3101 [0.5]	Global Health	
	otal Credits	of Mental Health	7.5		HLTH 3102 [0.5]	Indigenous Health in a Global World	
	oncentration in Hea edits)	alth Throughout the Lifespan (7.5			HLTH 3104 [0.5]	Regulatory Issues and Human Health	
	0.5 credit in:		0.5		HLTH 3301 [0.5]	Microbiology and Virology	
••	NEUR 2200 [0.5]	Biological Foundations of Behaviour	0.0		HLTH 3302 [0.5]	Immunity and Immune-Related Disorders	
2	0.5 credit from:		0.5		HLTH 3501 [0.5]	Diseases and Disabilities Related	
	BIOL 2303 [0.5]	Microbiology	0.0			to Sensory Processes and	
	CHEM 2800 [0.5]	Foundations for Environmental			UI TU 2502 (0.51	Movement Trauma rolated Illness and	
		Chemistry			HLTH 3502 [0.5]	Trauma-related Illness and Disability	
	FOOD 2001 [0.5]	Principles of Nutrition			HLTH 4101 [0.5]	Global Health Governance	
2	PSYC 2301 [0.5]	Introduction to Health Psychology	2 5		HLTH 4102 [0.5]	New Health Technologies	
ა.	3.5 credits in:	Lluman and Careraretics	3.5		HLTH 4301 [0.5]	Pandemics and Infectious Disease	
	BIOL 3305 [0.5]	Human and Comparative Physiology			HLTH 4303 [0.5]	Pharmacotherapeutics	
	or BIOL 3306 [0.5]	Human Anatomy and Physiology			HLTH 4601 [0.5]	Environmental Pollution and Health	

	HLTH 4701 [0.5]	Knowledge Translation	
		Directed Studies in Health	
	HLTH 4901 [0.5]	Environmental Toxins and Mental	
	NEUR 3401 [0.5]	Health	
Tc	tal Credits		7.5
Н	ealth Sciences		
В	. H. Sc. General	(15.0 credits)	
A.	Credits Included in	n the Major CGPA (6.5 credits)	
1.	2.0 credits in:		2.0
	HLTH 1000 [0.5]	Fundamentals of Health	
	HLTH 2001 [0.5]	Health Research Methods and Skills	
	HLTH 2002 [0.5]	Biochemical Basis of Health and Pathology I	
	HLTH 2003 [0.5]	Social Determinants of Health	
2.	1.0 credit in:		1.0
	STAT 2507 [0.5]	Introduction to Statistical Modeling I	
	STAT 2509 [0.5]	Introduction to Statistical Modeling	
3.	0.5 credit in:		0.5
	BIOL 2005 [0.5]	Human Physiology	
4.	0.5 credit from:	, 0,	0.5
	BIOL 2303 [0.5]	Microbiology	
	CHEM 2800 [0.5]	Foundations for Environmental Chemistry	
	FOOD 2001 [0.5]	Principles of Nutrition	
	NEUR 2200 [0.5]	Biological Foundations of Behaviour	
	PSYC 2301 [0.5]	Introduction to Health Psychology	
5.	2.5 credits from:		2.5
	HLTH 3101 [0.5]	Global Health	
		Health Policy and Canada's Health Ca System	are
	HLTH 3201 [0.5]	Epidemiology	
	HLTH 3301 or HLTH	1 3302 or HLTH 3303	
	HLTH 3401 [0.5]	Diseases of Childhood	
	or HLTH 3402 [0.5]	Diseases of Aging	
	HLTH 3501 [0.5]	Diseases and Disabilities Related to Sensory Processes and Movement	
	or HLTH 3502 [0.5]	Trauma-related Illness and Disability	
В.	Credits Not Includ	ed in the Major CGPA (8.5 credits)	
6.	2.5 credits in:		2.5
	BIOL 1103 [0.5]	Foundations of Biology I	
	BIOL 1104 [0.5]	Foundations of Biology II	
	CHEM 1001 [0.5]	General Chemistry I	
	CHEM 1002 [0.5]	General Chemistry II	
	MATH 1007 [0.5]	Elementary Calculus I	
7.	1.0 credit from:	-	1.0
	ECON 1000 [1.0]	Introduction to Economics	
	PSYC 1001 [0.5]	Introduction to Psychology I	
	PSYC 1002 [0.5]	Introduction to Psychology II	
8.	0.5 credit from:		0.5
	PHIL 1550 [0.5]	Introduction to Ethics and Social	

Issues

PHIL 2408 [0.5] Bioethics

4.5 credits in free electives.	4.5
Total Credits	15.0

Health Sciences (HLTH) Courses Department of Health Sciences Faculty of Science

HLTH 1000 [0.5 credit] Fundamentals of Health

Introduction to what comprises a healthy body and mind, and what leads to illness and disease. Students will be exposed to biomedical, psychosocial, and epidemiological approaches to current issues in the field of health and a a basic of understanding of policy, and cultural/environmental contexts.

Lectures three hours a week and seminar one hour a week.

HLTH 2001 [0.5 credit] Health Research Methods and Skills

An introduction to quantitative and qualitative methods and designs in health sciences research. Basic research skills will also be provided, including regulatory aspects of conducting research, information literacy skills, evaluating published research and other sources of evidence in the digital age.

Prerequisite(s): HLTH 1000.

Lecture three hours a week, lab/workshop two hours a week.

HLTH 2002 [0.5 credit]

Biochemical Basis of Health and Pathology I

Introduction to the structures and properties of macromolecules that underlie the range of functions that comprise cellular processes. Topics will include the molecular and thermodynamic basis of disease and the action of therapeutics. Examples will be health related. Prerequisite(s): BIOL 1103 and CHEM 1002.

Lecture three hours a week, workshop two hours a week.

HLTH 2003 [0.5 credit] Social Determinants of Health

Overview of the social determinants of health, ranging from early life experiences, poverty, social status, migration, and the physical environment. The relation between social determinants and environmental vulnerabilities, health behaviours, illness prevalence, treatment outcomes, and access to health care. Prerequisite(s): HLTH 1000.

Lecture three hours a week.

HLTH 3101 [0.5 credit]

Global Health

Overview of issues in global health with focus on developing countries. Key indicators and determinants of global health, implementation and evaluation of global programs, challenges of research and interventions in the developing world, and key players in addressing global health issues.

Prerequisite(s): third year standing in the BHSc program or permission of the instructor.

Lecture and seminar, three hours per week.

HLTH 3102 [0.5 credit]

Indigenous Health in a Global World

The health conditions of Indigenous peoples in different regions of the world; social and biological factors that contribute to greater risk and poor health; strategies of Indigenous peoples to restore health to their peoples. Prerequisite(s): HLTH 2003.

Lecture and seminar three hours per week.

HLTH 3103 [0.5 credit]

Health Policy and Canada's Health Care System

The history of Canada's health care system. The model of financing and intergovernmental responsibilities. Current and emerging policy debates facing our health care system, and the role of scientific evidence in decision-making and policy development.

Prerequisite(s): HLTH 1000.

Lecture and seminar three hours per week.

HLTH 3104 [0.5 credit]

Regulatory Issues and Human Health

The general principles of health regulatory policies in Canada. The role of scientific evidence in developing legislation and regulations at different levels, including probable levels of risk, standards of evidence, costbenefit analysis, ethical considerations, psychosocial factors influencing risk management and compliance, and evolving technologies.

Prerequisite(s): HLTH 2001 or STAT 2507. Lecture and seminar three hours a week.

HLTH 3201 [0.5 credit] Epidemiology

Basic concepts of epidemiologic study designs and measures; inferences that are fundamental to the identification of causes and prevalence of diseases. Specialized issues within epidemiology including gene-environment interactions and the clustering of specific disease phenotypes.

Prerequisite(s): HLTH 2001 and STAT 2509. Lecture three hours a week, lab/workshop two hours a week.

HLTH 3301 [0.5 credit] Microbiology and Virology

Introduction to the pathogenic microorganisms, including fungal, bacterial, viral and prion. Biochemical, genetic, pathological and epidemiological aspects in the human context; their interaction with host defense systems and strategies for antibiotic and vaccine development.

Prerequisite(s): HLTH 2002 or permission of instructor. Lecture three hours a week.

HLTH 3302 [0.5 credit]

Immunity and Immune-Related Disorders

Basic processes relevant to the immune system; the relationship between immune activity and functioning as related to the development of particular pathologies, such as virally-related illness, autoimmune disorders, inflammatory illnesses, and interactions with social and economic factors that promote immune-related disturbances.

Prerequisite(s): HLTH 2002 or permission of instructor. Lecture three hours a week.

HLTH 3303 [0.5 credit]

Biochemical Basis of Health and Pathology II

Introduction to the functional properties of macromolecules that underlie cellular and physiological processes. Examples will be health related.

Prerequisite(s): HLTH 2002.

Lecture three hours a week, lab four hours a week.

HLTH 3401 [0.5 credit] Diseases of Childhood

Childhood diseases, including those of a psychological as well as physical nature stemming from either genetic, prenatal, or postnatal factors, and those of unknown origin. The contribution of psychosocial and economic determinants.

Prerequisite(s): HLTH 2002 or permission of instructor. Lecture three hours a week.

HLTH 3402 [0.5 credit] Diseases of Aging

Aging is accompanied by increased illness related to cardiovascular, immune and neurodegenerative processes. This course assesses the fundamental mechanisms that determine these pathological conditions. Molecular mechanisms and psychosocial determinants; intervention and therapeutic strategies.

Prerequisite(s): HLTH 2002 or permission of instructor. Lecture three hours a week.

HLTH 3403 [0.5 credit] Gender and Health

The role of gender on psychosocial and biological mechanisms that alter the course of disease and treatment; health issues unique to women (e.g., reproductive and maternal health); the role of gender across cultures.

Prerequisite(s): HLTH 1000.

Lecture and seminar three hours a week.

HLTH 3501 [0.5 credit] **Diseases and Disabilities Related to Sensory Processes and Movement**

Neurobiological processes related to sensation, proprioception, reflex and voluntary movement, disorders of the nervous system and sensory systems. Conditions associated with pathology related to genetic and developmental factors, accident, and aging. Prerequisite(s): BIOL 2005 or BIOL 3305. Lecture three hours a week, lab/workshop two hours a week.

HLTH 3502 [0.5 credit]

Trauma-related Illness and Disability

Neurobiological and psychological factors associated with trauma and effects on behavioural functioning. Consequences of traumatic brain injury, burns, amputations, chronic severe illnesses; chronic strain encountered in workplace. Consideration of treatment and rehabilitation strategies.

Prerequisite(s): HLTH 2003 and (BIOL 2005 or BIOL 3305).

Lecture three hours a week.

HLTH 3901 [0.5 credit]

Emerging Issues in Biomedical Science

These courses enable students to develop an understanding of the current state of research and practice in the BHSc concentrations. They provide the opportunity to bring together knowledge from other courses, and for skills development including teamwork, communication and critical thinking.

Prerequisite(s): third-year standing in the specific stream of the BHSc program appropriate to the course, a major CGPA of at least 9.0 and permission of the Department of Health Sciences. These seminar based courses are restricted to students in the BHSc program.

Seminars three hours a week.

HLTH 3902 [0.5 credit] **Emerging Issues in Global Health**

These courses enable students to develop an understanding of the current state of research and practice in each of the BHSc concentrations. They provide the opportunity to bring together knowledge from other courses and for skills development, including teamwork, communication and critical thinking.

Prerequisite(s): third-year standing in the specific stream of the BHSc program appropriate to the course, a major CGPA of at least 9.0 and permission of the Department of Health Sciences. These seminar based courses are restricted to students in the BHSc program. Seminars three hours a week.

HLTH 3903 [0.5 credit]

Emerging Issues in Environment and Health

These courses enable students to develop an understanding of the current state of research and practice in each of the BHSc concentrations. They provide the opportunity to bring together knowledge from other courses and for skills development, including teamwork, communication and critical thinking.

Prerequisite(s): third-year standing in the specific stream of the BHSc program appropriate to the course, a major CGPA of at least 9.0 and permission of the Department of Health Sciences. These seminar based courses are restricted to students in the BHSc program.

Seminars three hours a week.

HLTH 3904 [0.5 credit]

Emerging Issues in Health Throughout the Lifespan

These courses enable students to develop an understanding of the current state of research and practice in each of the BHSc concentrations. They provide the opportunity to bring together knowledge from other courses and for skills development, including teamwork. communication and critical thinking.

Prerequisite(s): third-year standing in the specific stream of the BHSc program appropriate to the course, a major CGPA of at least 9.0 and permission of the Department of Health Sciences. These seminar-based courses are restricted to students in the BHSc program.

Seminars three hours a week.

HLTH 3905 [0.5 credit]

Emerging Issues in Disabilities and Chronic Illness

These courses enable students to develop an understanding of the current state of research and practice in each of the BHSc concentrations. They provide the opportunity to bring together knowledge from other courses and for skills development, including teamwork, communication and critical thinking.

Prerequisite(s): third-year standing in the specific stream of the BHSc program appropriate to the course, a major CGPA of at least 9.0 and permission of the Department of Health Sciences.

Seminars three hours a week.

HLTH 4101 [0.5 credit] **Global Health Governance**

Contemporary issues and debates in global health governance and effects on health monitoring and outcomes at individual and population levels. Historical patterns of global health, its regulatory framework, principal coordinating mechanisms and emerging challenges, and implications of globalization and international trade policies.

Prerequisite(s): HLTH 3101.

Lecture and seminar three hours per week.

HLTH 4102 [0.5 credit]

New Health Technologies

Overview of new and emerging health technologies, including medical and assistive devices, diagnostics and screening, genetics, reproduction, tissue regeneration, imaging, and health informatics. Health technology assessment methods and issues. Regulatory, ethical and social implications; considerations in the developing world. Prerequisite(s): third year standing in the BHSc program or permission of instructor.

Lecture and seminar three hours a week.

HLTH 4201 [0.5 credit]

Advanced and Quantitative Epidemiology

Epidemiologic study designs and measures; fundamentals of statistical evaluation of epidemiologic data sets. How epidemiology can be used to inform treatment strategies, such as the use of biomarkers and behavioral indices that predict illness and treatment response.

Prerequisite(s): HLTH 3201.

Lecture three hours a week, lab/workshop two hours a week

HLTH 4202 [0.5 credit]

Health Program Evaluation Tools and Methods

Introduction to concepts, principles and processes of evaluating health care programs and interventions. Methodological tools including needs assessment, project management skills, use of health information management databases. Issues in communication with stakeholders, including change management and decision making. Prerequisite(s): HLTH 2001 and STAT 2509.

Lecture and seminar three hours a week.

HLTH 4301 [0.5 credit]

Pandemics and Infectious Disease

Factors that influence disease processes, including viruses, bacteria, protozoa, fungi and infectious agents, how these agents come to have the effects that they do in a given individual, how they spread within and how to limit their spread.

Prerequisite(s): HLTH 3301. Lecture three hours a week.

HLTH 4302 [0.5 credit]

Inflammatory and Endocrine Factors in Diseases

Inflammatory and hormonal processes and their relevance to disease states. Immune-related disorders, heart disease and stroke, metabolic syndrome, diabetes, psychiatric conditions, and neurodegenerative disorders. The contribution of psychosocial and genetic factors to diseases.

Prerequisite(s): HLTH 3302. Lecture three hours a week.

HLTH 4303 [0.5 credit] Pharmacotherapeutics

The pharmaceutical system. Topics include drug discovery and development, clinical trials, pharmacology and pharmacokinetics, natural products and traditional medicines and policy aspects, including patent and generic drugs, the cost of drugs and impact on local and global access.

Prerequisite(s): HLTH 1000 and at least third-year standing in the BHSc program.

Lecture and seminar three hours a week.

HLTH 4401 [0.5 credit]

Maternal and Prenatal Determinants of Health

The influence of prenatal events on illnesses. Stressful events, viruses, and toxins encountered during pregnancy; interactions between pre- and postnatal events; economic and psychosocial influences related to maternal care. Prerequisite(s): HLTH 1000 and at least 3rd year standing in the BHSc program.

Lecture three hours a week.

HLTH 4402 [0.5 credit]

Psychosocial and Biological Mechanisms of Health

The biological mechanisms that link psychosocial factors to health outcomes. Epigenetic and genetic alterations, neuroendocrine and inflammatory processes, and changes of brain structures and regulatory systems; implications for psychosocial interventions.

Prerequisite(s): HLTH 2003.

Lecture and seminar three hours a week.

HLTH 4501 [0.5 credit] Chronic Illness and Disability

An interdisciplinary view of disabilities related to injury or disease processes including risk factors, the trajectory of such conditions, the burden of health attributable to them, and their global distribution. Strategies for early prevention and health promotion.

Prerequisite(s): HLTH 1000 and BIOL 3306.

Lecture three hours a week.

HLTH 4601 [0.5 credit]

Environmental Pollution and Health

Introduction to environmental and occupational health; detection, assessment, management and mitigation of chemical, physical and biological hazards.

Prerequisite(s): HLTH 3104.

Lecture and seminar three hours a week.

HLTH 4701 [0.5 credit] Knowledge Translation

The application of knowledge translation in the formulation of policy and the development of skills required to maximize the impact of scientific findings through real world programs and policies and communication skills for diverse audiences.

Prerequisite(s): fourth-year standing and permission of the Department of Health Science.

Also offered at the graduate level, with different requirements, as HLTH 5300, for which additional credit is precluded.

Seminar three hours a week.

HLTH 4901 [0.5 credit] Directed Studies in Health

Independent or group study, open to third- and fourth-year students to explore a particular topic, in consultation with a Faculty supervisor. May include directed reading, written assignments, tutorials, laboratory or field work. Prerequisite(s): At least third-year standing in the BHSc program or permission of the instructor.

HLTH 4906 [1.0 credit] Capstone course – Research Essay

A substantial, independent essay or research proposal based critical review and research proposal, using library, database and/or bioinformatic resources, under supervision of the instructor. Topics include identification and critical review of resources, development of writing skills and formulation of research question and strategy. Precludes additional credit for HLTH 4907, HLTH 4908 or HLTH 4909.

Prerequisite(s): fourth-year standing in the BHSc (Honours) in Health Science and permission of the Department of Health Sciences.

Lectures and discussion as scheduled by the course instructor.

HLTH 4907 [1.0 credit]

Capstone Course – Group Research Project

Collaborate on a project that addresses a real-world health concern in a team environment, similar to the workplace. Focus includes design and completion of a research project, development of communication and research skills and the opportunity to develop initiative, creativity and self-reliance.

Precludes additional credit for HLTH 4906, HLTH 4908 or HLTH 4909.

Prerequisite(s): fourth-year standing in the BHSc (Honours) in Health Science, 3rd year Honours emerging issues course in one of the BHSc concentrations (HLTH 3901, HLTH 3902, HLTH 3903, HLTH 3904 or HLTH 3905), major CGPA of at least 9.0 and permission of the Department of Health Sciences. Permission will depend, in part on capacity, such that meeting the minimum requirements does not guarantee enrollment in this capstone course.

Seminars three hours a week as scheduled by the course instructor; other hours as arranged with the Faculty Adviser.

HLTH 4908 [1.0 credit]

Capstone Course – Individual Research Project

An independent research project under the direct supervision of a faculty adviser, typically from the Department of Health Sciences. Evaluation is based on a written thesis and a poster presentation.

Precludes additional credit for HLTH 4906, HLTH 4907 or

Precludes additional credit for HLTH 4906, HLTH 4907 or HLTH 4909.

Prerequisite(s): fourth-year standing in the BHSc (Honours) in Health Science, 3rd year Honours emerging issues course in one of the BHSc concentrations (HLTH 3901, HLTH 3902, HLTH 3903, HLTH 3904 or HLTH 3905), major CGPA of at least 9.0 and permission of the Department of Health Sciences. Permission will depend, in part on capacity, such that meeting the minimum requirements does not guarantee enrollment in this capstone course.

Lectures and discussion as scheduled by the course instructor; other hours as arranged with the Faculty Adviser.

HLTH 4909 [1.0 credit] Capstone Course – Field Placement

An opportunity to apply learned principles and to gain relevant practical experience in a supervised health setting. Possible placements vary from year to year, and may be in a hospital, community-based health centre, government research lab, or with an international NGO. Precludes additional credit for HLTH 4906, HLTH 4907 or HLTH 4908.

Prerequisite(s): fourth-year standing in the BHSc (Honours) in Health Science, third-year Honours emerging issues in one of the BHSc concentrations (HLTH 3901, HLTH 3902, HLTH 3903, HLTH 3904 or HLTH 3905), major CGPA of at least 9.0 and permission of the Department of Health Sciences. Permission will depend, in part on capacity, such that meeting the minimum requirements does not guarantee enrollment in this capstone course.

Seminars three hours a week as scheduled by the course instructor; other hours as arranged with the Faculty Adviser; field placement hours will vary dependent on placement.

Summer session: some of the courses listed in this Calendar are offered during the summer. Hours and scheduling for summer session courses will differ significantly from those reported in the fall/winter Calendar. To determine the scheduling and hours for summer session classes, consult the class schedule at central.carleton.ca

Not all courses listed are offered in a given year. For an up-to-date statement of course offerings for the current session and to determine the term of offering, consult the class schedule at central.carleton.ca