Health Sciences

This section presents the requirements for programs in:

- · Health Sciences with Concentration B.H.Sc. Honours
- · Concentration in Biomedical Sciences
- · Concentration in Disability and Chronic Illness
- · Concentration in Environment and Health
- Concentration in Global Health
- Concentration in Health Throughout the Lifespan
- Health Sciences B.H.Sc.
- Journalism with Concentration in Health Sciences B.J. Honours

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 10.5 credits)

1.	4.5 credits in:	
	HLTH 1000 [0.5]	Fundamentals of Health
	HLTH 1002 [0.5]	Health Science Communication
	HLTH 2001 [0.5]	Health Research Methods and Skills
	HLTH 2002 [0.5]	Molecular and Cellular Pathology
	HLTH 2003 [0.5]	Social Determinants of Health
	HLTH 3101 [0.5]	Global Health
	HLTH 3201 [0.5]	Epidemiology
	HLTH 3302 [0.5]	Immunity and Immune-Related Disorders
	HLTH 3404 [0.5]	Psychosocial and Biological Interactions in Health
2.	1.5 credits in:	
	a) Project/Field Pla	cement pathway

0.5 credit from: HLTH 3901 [0.5] Emerging Issues in Health Sciences I HLTH 3902 [0.5] Emerging Issues in Health Sciences II HLTH 3903 [0.5] Emerging Issues in Health Sciences III HLTH 3904 [0.5] Emerging Issues in Health Sciences IV HLTH 3905 [0.5] Emerging Issues in Health Sciences V and 1.0 credit from: HLTH 4907 [1.0] Capstone Course - Group **Research Project** HLTH 4909 [1.0] Capstone Course - Field Placement and Research Project HLTH 4910 [1.0] Honours Individual Research Thesis OR

b) Essay pathway

0.5 credit in HLTH elective at the 3000 level or above

4.5

1.5

	and		
	1.0 credit in:		
	HLTH 4906 [1.0]	Capstone course – Research Essay	
3.	0.5 credit in HLTH	l at the 3000 level or above	0.5
	4.0 credits in cond above	centration electives at the 3000 level	4.0
		led in the Major CGPA (9.5 credits)	
	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	
6.	1.0 credit from:	·	1.0
	ECON 1001 [0.5]	Introduction to Microeconomics	
	ECON 1002 [0.5]	Introduction to Macroeconomics	
	PSYC 1001 [0.5]	Introduction to Psychology I	
	PSYC 1002 [0.5]	Introduction to Psychology II	
7.	1.0 credit in:		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	
		oved 2000-level concentration	0.5
	0. 0.5 credit from:		0.5
	PHIL 1550 [0.5]	Introduction to Ethics and Social Issues	
	PHIL 2408 [0.5]	Bioethics	
11	. 3.0 credits in free	e electives.	3.0
N	OTE: The maximum	allowed combined number of minors	
ar	d concentrations for	r any student is two.	
Тс	tal Credits		20.0
	oncentration in redits)	Biomedical Sciences (5.0	
	0.5 credit from:		0.5
	CHEM 2203 [0.5]	Organic Chemistry I	0.0
	FOOD 2001 [0.5]	Principles of Nutrition	
	NEUR 2201 [0.5]	Cellular and Molecular	
		Neuroscience	
~	PSYC 2301 [0.5]	Introduction to Health Psychology	0.5
2.	2.5 credits in:		2.5
	BIOL 3104 [0.5]	Molecular Genetics	
	BIOL 3305 [0.5]	Human and Comparative Physiology	
		Human Anatomy and Physiology	
	BIOL 3307 [0.5]	Advanced Human Anatomy and Physiology	
	HLTH 2004 [0.5]	Microbiology and Virology	
	HLTH 3303 [0.5]	Molecular and Cellular Pathology II	
3.	0.5 credit from:		0.5
	HLTH 4201 [0.5]	Applied Health Statistics	
	HLTH 4202 [0.5]	Health Program Evaluation Tools	

and Methods

4.	1.0 credit from:		1.0	
	COMS 2500 [0.5]	Communication and Science		
	HLTH 3401 [0.5]	Diseases of Childhood		
	HLTH 3402 [0.5]	Diseases of Aging		
	HLTH 3503 [0.5]	Disability and Chronic Health Conditions		
	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 4303 [0.5]	Fundamentals in Pharmacology and Toxicology		4.
	HLTH 4401 [0.5]	Maternal and Perinatal Determinants of Health		
	HLTH 4502 [0.5]	Disabilities and Disorders Related to Sensory Nervous System		5.
	HLTH 4503 [0.5]	Trauma-related Disability and Impairments		
5.	0.5 credit from:		0.5	
	BIOL 3202 [0.5]	Principles of Developmental Biology		
	BIOL 3501 [0.5]	Biomechanics		
	BIOL 4202 [0.5]	Mutagenesis and DNA Repair		
	COMS 3412 [0.5]	Communication and Health		
	ECON 4460 [0.5]	Health Economics		
	FOOD 3005 [0.5]	Food Microbiology		
	FOOD 4201 [0.5]	Advanced Nutrition and Metabolism		
	FOOD 4202 [0.5]	Micronutrients and Health		6.
	GEOG 3206 [0.5]	Health, Environment, and Society		
	HLTH 3102 [0.5]	Indigenous Health in a Global World		
	HLTH 3103 [0.5]	Health Policy and Canada's Health Care System		
	HLTH 3104 [0.5]	Regulatory Issues and Human Health		
	HLTH 3403 [0.5]	Gender and Health		
	HLTH 4101 [0.5]	Global Health Governance		
	HLTH 4601 [0.5]	Environmental Pollution and Health		
	HLTH 4701 [0.5]	Knowledge Translation		
	HLTH 4901 [0.5]	Directed Studies in Health		
	NEUR 3304 [0.5]	Hormones and Behaviour		
	NEUR 3401 [0.5]	Environmental Toxins and Mental Health		
	NEUR 3502 [0.5]	Neurodevelopmental Determinants of Mental Health		
То	tal Credits		5.0	
	oncentration in .5 credits)	Disability and Chronic Illness	S	
•	0.5 credit in:		0.5	

1. 0.5 credit in:		0.5
NEUR 2201 [0.5]	Cellular and Molecular Neuroscience	
2. 0.5 credit from:		0.5
BIOL 2303 [0.5]	Microbiology	
CHEM 2203 [0.5]	Organic Chemistry I	
FOOD 2001 [0.5]	Principles of Nutrition	
NEUR 2202 [0.5]	Neurodevelopment and Plasticity	
PSYC 2301 [0.5]	Introduction to Health Psychology	
3. 2.5 credits in:		2.5

	BIOL 3305 [0.5]	Human and Comparative Physiology	
	or BIOL 3306 [0.	Human Anatomy and Physiology	
	BIOL 3307 [0.5]	Advanced Human Anatomy and Physiology	
	HLTH 3503 [0.5]	Disability and Chronic Health Conditions	
	HLTH 4502 [0.5]	Disabilities and Disorders Related to Sensory Nervous System	
	HLTH 4503 [0.5]	Trauma-related Disability and Impairments	
4.	0.5 credit from:		0.5
	HLTH 4201 [0.5]	Applied Health Statistics	
	HLTH 4202 [0.5]	Health Program Evaluation Tools and Methods	
5.	1.0 credit from:		1.0
	BIOL 3501 [0.5]	Biomechanics	
	COMS 2500 [0.5]	Communication and Science	
	HLTH 3103 [0.5]	Health Policy and Canada's Health Care System	
	HLTH 3104 [0.5]	Regulatory Issues and Human Health	
	HLTH 3401 [0.5]	Diseases of Childhood	
	HLTH 3402 [0.5]	Diseases of Aging	
	HLTH 4302 [0.5]	Inflammatory and Endocrine Factors in Diseases	
	NEUR 3501 [0.5]	Neurodegeneration and Aging	
6.	0.5 credit from:		0.5
	BIOC 3008 [0.5]	Bioinformatics	
	BIOL 3104 [0.5]	Molecular Genetics	
	BIOL 3202 [0.5]	Principles of Developmental Biology	
	COMS 3412 [0.5]	Communication and Health	
	ECON 4460 [0.5]	Health Economics	
	FOOD 3005 [0.5]	Food Microbiology	
	FOOD 4103 [0.5]	Food Safety Risk Assessment	
	FOOD 4201 [0.5]	Advanced Nutrition and Metabolism	
	FOOD 4202 [0.5]	Micronutrients and Health	
	GEOG 3206 [0.5]	Health, Environment, and Society	
	HLTH 2004 [0.5]	Microbiology and Virology	
	HLTH 3102 [0.5]	Indigenous Health in a Global World	
	HLTH 3303 [0.5]	Molecular and Cellular Pathology II	
	HLTH 3403 [0.5]	Gender and Health	
	HLTH 4101 [0.5]	Global Health Governance	
	HLTH 4301 [0.5]	Pandemics and Infectious Disease	
	HLTH 4303 [0.5]	Fundamentals in Pharmacology and Toxicology	
	HLTH 4401 [0.5]	Maternal and Perinatal 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	
	NEUR 3304 [0.5]	Hormones and Behaviour	
	NEUR 3401 [0.5]	Environmental Toxins and Mental Health	

	NEUR 3502 [0.5]	Neurodevelopmental Determinants of Mental Health		HLTH 35
То	otal Credits		5.5	HLTH 41
C	oncontration in	Environment and Health (6.0		HLTH 41
	edits)	Environment and health (0.0		HLTH 43
				HLTH 43
1.	1.0 credit in:		1.0	
	BIOL 3305 [0.5]	Human and Comparative Physiology		HLTH 44
	-	Human Anatomy and Physiology		HLTH 45
	CHEM 2800 [0.5]	Foundations for Environmental Chemistry		HLTH 45
2.	0.5 credit from:		0.5	
	BIOL 2303 [0.5]	Microbiology		HLTH 47
	FOOD 2001 [0.5]	Principles of Nutrition		HLTH 49
	NEUR 2201 [0.5]	Cellular and Molecular Neuroscience		Total Credit
	PSYC 2301 [0.5]	Introduction to Health Psychology		
3.	2.5 credits in:		2.5	1. 0.5 cred
	CHEM 3800 [0.5]	The Chemistry of Environmental Pollutants		BIOL 33
	HLTH 3104 [0.5]	Regulatory Issues and Human Health		or BIC 2. 0.5 cred
	HLTH 3303 [0.5]	Molecular and Cellular Pathology II		BIOL 33
	HLTH 4303 [0.5]	Fundamentals in Pharmacology and Toxicology		CHEM 2
	HLTH 4601 [0.5]	Environmental Pollution and Health		FOOD 2
4.	0.5 credit from:		0.5	NEUR 2
	HLTH 4201 [0.5]	Applied Health Statistics	0.0	neon e
	HLTH 4202 [0.5]	Health Program Evaluation Tools		PSYC 2
		and Methods		3. 2.5 cred
5.	1.0 credit from:		1.0	HLTH 20
	BIOL 3307 [0.5]	Advanced Human Anatomy and Physiology		HLTH 31
	BIOL 4202 [0.5]	Mutagenesis and DNA Repair		HLTH 41
	CHEM 4800 [0.5]	Atmospheric Chemistry		HLTH 43
	COMS 2500 [0.5]	Communication and Science		HLTH 44
	ECON 3804 [0.5]	Environmental Economics		
	GEOG 3206 [0.5]	Health, Environment, and Society		4. 0.5 cred
	HLTH 2004 [0.5]	Microbiology and Virology		HLTH 42
	HLTH 3401 [0.5]	Diseases of Childhood		HLTH 42
	HLTH 3402 [0.5]	Diseases of Aging		
	NEUR 3401 [0.5]	Environmental Toxins and Mental Health		5. 1.0 cred COMS 2
6.	0.5 credit from:		0.5	GEOG 3
	BIOC 3008 [0.5]	Bioinformatics		HLTH 31
	BIOL 3104 [0.5]	Molecular Genetics		
	BIOL 3202 [0.5]	Principles of Developmental Biology		HLTH 31
	COMS 3412 [0.5]	Communication and Health		HLTH 33
	ECON 4460 [0.5]	Health Economics		HLTH 34
	FOOD 3005 [0.5]	Food Microbiology		HLTH 34
	FOOD 4103 [0.5]	Food Safety Risk Assessment		HLTH 34
	HLTH 3102 [0.5]	Indigenous Health in a Global World		HLTH 35
	HLTH 3103 [0.5]	Health Policy and Canada's Health		HLTH 41
	HLTH 3403 [0.5]	Care System Gender and Health		HLTH 43
				HLTH 46

HLTH 3503 [0.5]	Disability and Chronic Health Conditions	
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 Perinatal Determinants of Health	
HLTH 4502 [0.5]	Disabilities and Disorders Related to Sensory Nervous System	
HLTH 4503 [0.5]	Trauma-related Disability and Impairments	
HLTH 4701 [0.5]	Knowledge Translation	
HLTH 4901 [0.5]	Directed Studies in Health	
Total Credits		6.0
Concontration in	Global Health (5.5 credits)	
	Global Health (5.5 cledits)	
1. 0.5 credit in:		0.5
BIOL 3305 [0.5]	Human and Comparative Physiology	
	Human Anatomy and Physiology	
2. 0.5 credit from:		0.5
BIOL 3307 [0.5]	Advanced Human Anatomy and Physiology	
CHEM 2203 [0.5]	Organic Chemistry I	
FOOD 2001 [0.5]	Principles of Nutrition	
NEUR 2201 [0.5]	Cellular and Molecular Neuroscience	
PSYC 2301 [0.5]	Introduction to Health Psychology	
3. 2.5 credits in:		2.5
HLTH 2004 [0.5]	Microbiology and Virology	
HLTH 3102 [0.5]	Indigenous Health in a Global World	
HLTH 4101 [0.5]	Global Health Governance	
HLTH 4301 [0.5]	Pandemics and Infectious Disease	
HLTH 4401 [0.5]	Maternal and Perinatal Determinants of Health	
4. 0.5 credit from:		0.5
HLTH 4201 [0.5]	Applied Health Statistics	
HLTH 4202 [0.5]	Health Program Evaluation Tools and Methods	
5. 1.0 credit from:		1.0
COMS 2500 [0.5]	Communication and Science	
GEOG 3206 [0.5]	Health, Environment, and Society	
HLTH 3103 [0.5]	Health Policy and Canada's Health Care System	
HLTH 3104 [0.5]	Regulatory Issues and Human Health	
HLTH 3303 [0.5]	Molecular and Cellular Pathology II	
HLTH 3401 [0.5]	Diseases of Childhood	
HLTH 3402 [0.5]	Diseases of Aging	
HLTH 3403 [0.5]	Gender and Health	
HLTH 3503 [0.5]	Disability and Chronic Health Conditions	
HLTH 4102 [0.5]	New Health Technologies	
HLTH 4303 [0.5]	Fundamentals in Pharmacology and Toxicology	
HLTH 4601 [0.5]	Environmental Pollution and Health	

6.	0.5 credit from:		0.5
	BIOC 3008 [0.5]	Bioinformatics	
	BIOL 3104 [0.5]	Molecular Genetics	
	COMS 3412 [0.5]	Communication and Health	
	ECON 4460 [0.5]	Health Economics	
	FOOD 3005 [0.5]	Food Microbiology	
	FOOD 4103 [0.5]	Food Safety Risk Assessment	
	FOOD 4201 [0.5]	Advanced Nutrition and Metabolism	
	FOOD 4202 [0.5]	Micronutrients and Health	
	HLTH 4302 [0.5]	Inflammatory and Endocrine Factors in Diseases	
	HLTH 4502 [0.5]	Disabilities and Disorders Related to Sensory Nervous System	
	HLTH 4503 [0.5]	Trauma-related Disability and Impairments	
	HLTH 4701 [0.5]	Knowledge Translation	
	HLTH 4901 [0.5]	Directed Studies in Health	
	NEUR 3304 [0.5]	Hormones and Behaviour	
	NEUR 3401 [0.5]	Environmental Toxins and Mental Health	
	NEUR 3501 [0.5]	Neurodegeneration and Aging	
	NEUR 3502 [0.5]	Neurodevelopmental Determinants of Mental Health	
Тс	otal Credits		5.5

Total Credits

Concentration in Health Throughout the Lifespan (5.5 credits)

1.	0.5 credit in:		0.5
	NEUR 2201 [0.5]	Cellular and Molecular Neuroscience	
2.	0.5 credit from:		0.5
	BIOL 2303 [0.5]	Microbiology	
	CHEM 2203 [0.5]	Organic Chemistry I	
	FOOD 2001 [0.5]	Principles of Nutrition	
	NEUR 2202 [0.5]	Neurodevelopment and Plasticity	
	PSYC 2301 [0.5]	Introduction to Health Psychology	
3.	2.5 credits in:		2.5
	BIOL 3305 [0.5]	Human and Comparative Physiology	
	or BIOL 3306 [0.	Human Anatomy and Physiology	
	BIOL 3307 [0.5]	Advanced Human Anatomy and Physiology	
	HLTH 3401 [0.5]	Diseases of Childhood	
	HLTH 3402 [0.5]	Diseases of Aging	
	HLTH 4401 [0.5]	Maternal and Perinatal Determinants of Health	
4.	0.5 credit from:		0.5
	HLTH 4201 [0.5]	Applied Health Statistics	
	HLTH 4202 [0.5]	Health Program Evaluation Tools and Methods	
5.	1.0 credit from:		1.0
	COMS 2500 [0.5]	Communication and Science	
	HLTH 2004 [0.5]	Microbiology and Virology	
	HLTH 3103 [0.5]	Health Policy and Canada's Health Care System	
	HLTH 3303 [0.5]	Molecular and Cellular Pathology II	
	HLTH 3403 [0.5]	Gender and Health	
	HLTH 3503 [0.5]	Disability and Chronic Health Conditions	

	HLTH 4102 [0.5]	New Health Technologies	
	HLTH 4302 [0.5]	Inflammatory and Endocrine Factors in Diseases	
	HLTH 4303 [0.5]	Fundamentals in Pharmacology and Toxicology	
	NEUR 3501 [0.5]	Neurodegeneration and Aging	
	NEUR 3502 [0.5]	Neurodevelopmental Determinants of Mental Health	
6.	0.5 credit from:		0.5
	BIOC 3008 [0.5]	Bioinformatics	
	BIOL 3104 [0.5]	Molecular Genetics	
	BIOL 3202 [0.5]	Principles of Developmental Biology	
	BIOL 3501 [0.5]	Biomechanics	
	COMS 3412 [0.5]	Communication and Health	
	ECON 4460 [0.5]	Health Economics	
	FOOD 3005 [0.5]	Food Microbiology	
	FOOD 4103 [0.5]	Food Safety Risk Assessment	
	FOOD 4201 [0.5]	Advanced Nutrition and Metabolism	
	FOOD 4202 [0.5]	Micronutrients and Health	
	GEOG 3206 [0.5]	Health, Environment, and Society	
	HLTH 3102 [0.5]	Indigenous Health in a Global World	
	HLTH 3104 [0.5]	Regulatory Issues and Human Health	
	HLTH 4101 [0.5]	Global Health Governance	
	HLTH 4301 [0.5]	Pandemics and Infectious Disease	
	HLTH 4502 [0.5]	Disabilities and Disorders Related to Sensory Nervous System	
	HLTH 4503 [0.5]	Trauma-related Disability and Impairments	
	HLTH 4601 [0.5]	Environmental Pollution and Health	
	HLTH 4701 [0.5]	Knowledge Translation	
	HLTH 4901 [0.5]	Directed Studies in Health	
	NEUR 3304 [0.5]	Hormones and Behaviour	
	NEUR 3401 [0.5]	Environmental Toxins and Mental Health	
То	tal Credits		5.5

Health Sciences B.H.Sc. (15.0 credits)

A. Credits Included in the Major CGPA (7.0 credits)

1.	2.5 credits in:		2.5
	HLTH 1000 [0.5]	Fundamentals of Health	
	HLTH 1002 [0.5]	Health Science Communication	
	HLTH 2001 [0.5]	Health Research Methods and Skills	
	HLTH 2002 [0.5]	Molecular and Cellular Pathology	
	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 from:		0.5
	BIOL 3305 [0.5]	Human and Comparative Physiology	
	BIOL 3306 [0.5]	Human Anatomy and Physiology	
4.	0.5 credit from:		0.5
	BIOL 2303 [0.5]	Microbiology	

	CHEM 2203 [0.5]	Organic Chemistry I	
	FOOD 2001 [0.5]	Principles of Nutrition	
	NEUR 2201 [0.5]	Cellular and Molecular Neuroscience	
	PSYC 2301 [0.5]	Introduction to Health Psychology	
5.	2.5 credits from:		2.5
	HLTH 2004 [0.5]	Microbiology and Virology	
	HLTH 3101 [0.5]	Global Health	
	HLTH 3102 [0.5]	Indigenous Health in a Global World	
	HLTH 3103 [0.5]	Health Policy and Canada's Health Care System	
	HLTH 3104 [0.5]	Regulatory Issues and Human Health	
	HLTH 3201 [0.5]	Epidemiology	
	HLTH 3302 [0.5]	Immunity and Immune-Related Disorders	
	HLTH 3401 [0.5]	Diseases of Childhood	
	HLTH 3402 [0.5]	Diseases of Aging	
	HLTH 3404 [0.5]	Psychosocial and Biological	
		Interactions in Health	
	HLTH 3503 [0.5]	Disability and Chronic Health Conditions	
Β.	Credits Not Includ	ed in the Major CGPA (8.0 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 1001 [0.5]	Introduction to Microeconomics	
	ECON 1002 [0.5]	Introduction to Macroeconomics	
	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 1550 [0.5] PHIL 2408 [0.5]		
9.		Issues Bioethics	4.0
	PHIL 2408 [0.5]	Issues Bioethics	4.0
To Jo So	PHIL 2408 [0.5] 4.0 credits in free atal Credits	Issues Bioethics electives Concentration in Health	
To Jo So B	PHIL 2408 [0.5] 4.0 credits in free tal Credits burnalism with ciences .J. Honours (20)	Issues Bioethics electives Concentration in Health	
To Jo So B	PHIL 2408 [0.5] 4.0 credits in free tal Credits burnalism with ciences .J. Honours (20)	Issues Bioethics electives Concentration in Health .0 credits)	
To Jo So B	PHIL 2408 [0.5] 4.0 credits in free tal Credits ournalism with ciences J. Honours (20 Credits Included in	Issues Bioethics electives Concentration in Health .0 credits)	15.0
To Jo So B	PHIL 2408 [0.5] 4.0 credits in free tal Credits burnalism with ciences J. Honours (20 Credits Included in 1.0 credit in:	Issues Bioethics electives Concentration in Health .0 credits) in the Major CGPA (8.0 credits) Foundations of Journalism:	15.0
To J(S(B) A. 1.	PHIL 2408 [0.5] 4.0 credits in free tal Credits burnalism with ciences J. Honours (20 Credits Included in 1.0 credit in: JOUR 1001 [0.5]	Issues Bioethics electives Concentration in Health .0 credits) In the Major CGPA (8.0 credits) Foundations of Journalism: Journalism in Context Foundations of Journalism:	15.0
To J(S(B) A. 1.	PHIL 2408 [0.5] 4.0 credits in free ital Credits Durnalism with ciences J. Honours (20 Credits Included in 1.0 credit in: JOUR 1001 [0.5] JOUR 1002 [0.5]	Issues Bioethics electives Concentration in Health .0 credits) In the Major CGPA (8.0 credits) Foundations of Journalism: Journalism in Context Foundations of Journalism:	15.0 1.0
To J(S(B) A. 1.	PHIL 2408 [0.5] 4.0 credits in free ital Credits Durnalism with ciences J. Honours (20 Credits Included in 1.0 credit in: JOUR 1001 [0.5] JOUR 1002 [0.5] 2.0 credits in:	Issues Bioethics electives Concentration in Health .0 credits) in the Major CGPA (8.0 credits) Foundations of Journalism: Journalism in Context Foundations of Journalism: Journalism in Practice	15.0 1.0
To J(S(B) A. 1.	PHIL 2408 [0.5] 4.0 credits in free ital Credits Durnalism with ciences J. Honours (20 Credits Included in 1.0 credit in: JOUR 1001 [0.5] JOUR 1002 [0.5] 2.0 credits in: JOUR 2201 [1.0]	Issues Bioethics electives Concentration in Health .0 credits) in the Major CGPA (8.0 credits) Foundations of Journalism: Journalism in Context Foundations of Journalism: Journalism in Practice Fundamentals of Reporting	15.0 1.0
Tc Jc Sc A. 1.	PHIL 2408 [0.5] 4.0 credits in free tal Credits Durnalism with ciences J. Honours (20 Credits Included in 1.0 credit in: JOUR 1001 [0.5] JOUR 1002 [0.5] 2.0 credits in: JOUR 2201 [1.0] JOUR 2202 [0.5]	Issues Bioethics electives Concentration in Health .0 credits) in the Major CGPA (8.0 credits) Foundations of Journalism: Journalism in Context Foundations of Journalism: Journalism in Practice Fundamentals of Reporting Digital Journalism Toolkit	15.0 1.0
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JOUR 3225 [0.5]	Reporting in Depth	
JOUR 3235 [0.5]	Digital Journalism	
JOUR 3300 [0.5]	Media Ethics in a Digital World	
4. 0.5 credit in:		0.5
JOUR 4001 [0.5]	Journalism Now - and Next	
	Durnalism Publications:	0.5
JOUR 4003 [0.5]	The Digital Hub: Advanced Multimedia	
JOUR 4004 [0.5]	The Digital Hub: Advanced Audio	
JOUR 4005 [0.5]	The Digital Hub: Advanced Video	
•	pecialized Journalism:	0.5
JOUR 4303 [0.5]	Specialized Journalism: Health and Science	
JOUR 4304 [0.5]	Specialized Journalism: Environment and Science	
7. 1.0 credit from - Pi Investigating Journa	rofessional Skills and/or lism:	1.0
Professional Skills		
JOUR 4400 [0.5]	Professional Skills: Special Topic	
JOUR 4401 [0.5]	Professional Skills: Data Storytelling	
JOUR 4402 [0.5]	Professional Skills: Longform Writing	
JOUR 4403 [0.5]	Professional Skills: Strategic Communication	
JOUR 4404 [0.5]	Professional Skills: Freelancing for Media Professionals	
Investigating Journa	lism	
JOUR 4500 [0.5]	Investigating Journalism: Special Topic	
JOUR 4501 [0.5]	Investigating Journalism: Gender, Identity and Inequality	
JOUR 4502 [0.5]	Investigating Journalism: Journalism and Conflict	
JOUR 4503 [0.5]	Investigating Journalism: Journalism, Indigenous Peoples and Canada	
JOUR 4504 [0.5]	Investigating Journalism: The Media and International Development	
JOUR 4505 [1.0]	Investigating Journalism: The Power and Politics of Government	
B. Credits Not Includ credits)	led in the Major CGPA (12.0	
8. 1.0 credit in:		1.0
BIOL 1103 [0.5]	Foundations of Biology I	
BIOL 1104 [0.5]	Foundations of Biology II	
9. 2.0 credits in Heal	th Science courses:	2.0
HLTH 1001 [0.5]	Principles of Health	
HLTH 2001 [0.5]	Health Research Methods and Skills	
HLTH 2002 [0.5]	Molecular and Cellular Pathology	
HLTH 2003 [0.5]	Social Determinants of Health	
10. 1.0 credit in a cap	ostone course:	1.0
NSCI 4901 [1.0]	Science Journalism Independent Project	
	ives in Health Sciences, including y, Neuroscience and Psychology	2.0
12. 1.0 credit from:		1.0
HIST 1300 [1.0]	The Making of Canada	

13. 5.0 credits in free	electives. Free elective credits	5.0
INDG 1011 [0.5]	Introduction to Indigenous-Settler Encounters	
HIST 2311 [0.5]	Environmental History of Canada	
HIST 2304 [1.0]	Social and Cultural History of Canada	
HIST 2301 [0.5]	Canadian Political History	

13. 5.0 credits in free electives. Free elective credits may include JOUR courses in the 43XX, 44XX and 45XX series, 4003, 4004 and 4005.

Total Credits

Regulations

In addition to the program requirements described here, students must satisfy 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.

Admissions Information

Admission Requirements are for the 2020-21 year only, and are based on the Ontario High School System. Holding the minimum admission requirements only establishes eligibility for consideration. The cut-off averages for admission may be considerably higher than the minimum. See also the General Admission and **Procedures** section of this Calendar. An overall average of at least 70% is normally required to be considered for admission. Some programs may also require specific course prerequisites and prerequisite averages and/or supplementary admission portfolios. Higher averages are required for admission to programs for which the demand for places by qualified applicants exceeds the number of places available. The overall average required for admission is determined each year on a program by program basis. Consult admissions.carleton.ca for further details.

Note: Courses listed as *recommended* are not mandatory for admission. Students who do not follow the recommendations will not be disadvantaged in the admission process.

Admission Requirements

B.H.Sc. (Honours)

First Year

The Ontario Secondary School Diploma (OSSD) or equivalent including a minimum of six 4U or M courses. The six 4U or M courses must include Advanced Functions and two of Biology, Chemistry, Earth and Space Sciences or Physics. (Calculus and Vectors is strongly recommended). A 4U course in English is recommended.

Advanced Standing

The program maintains a number of places for students who wish to transfer from Carleton or elsewhere. Normally, offers are made to students with an overall CGPA of 9.00 (B+) or higher.

B.H.Sc. (General)

First Year

20.0

The B.H.Sc. does not accept students into first year of the general program. Entry to this program is via transfer.

Advanced Standing

Access to the B.H.Sc. (General) degree is limited to B.H.Sc. (Honours) students who apply to transfer.

Health Sciences (HLTH) Courses HLTH 1000 [0.5 credit]

Fundamentals of Health

Introduction to what comprises a healthy body and mind, and what leads to illness and disease. Biomedical, psychosocial, and epidemiological approaches to current issues in the field of health. Policy and cultural/ environmental contexts.

Includes: Experiential Learning Activity Precludes additional credit for HLTH 1001. Lectures three hours a week and group one hour a week.

HLTH 1001 [0.5 credit] Principles of Health

Health and illness will be considered from an interdisciplinary perspective, including biomedical, cultural, psychosocial and environmental. Precludes additional credit for HLTH 1000. Lecture three hours a week.

HLTH 1002 [0.5 credit]

Health Science Communication

Introduction to using library, database and/or bioinformatics resources to develop informed verbal, nonverbal and written communication within the context of healthcare, public health and health research. Concepts in ethical scholarship, proper use of sources and plagiarism will be introduced.

Lecture three hours a week.

HLTH 2001 [0.5 credit] Health Research Methods and

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.

Includes: Experiential Learning Activity

Prerequisite(s): HLTH 1000 or HLTH 1001.

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

HLTH 2002 [0.5 credit] Molecular and Cellular Pathology

Introduction to the causes, natural history, and pathophysiology of common human diseases of various organ systems. Diseases related to structural and functional changes at the molecular, cellular and organ level.

Includes: Experiential Learning Activity Prerequisite(s): HLTH 1000 and BIOL 1103. Lecture three 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 or HLTH 1001. Lecture three hours a week.

HLTH 2004 [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. Includes: Experiential Learning Activity

Precludes additional credit for HLTH 3301 (no longer offered).

Prerequisite(s): HLTH 1000 and BIOL 1103 or permission of the department.

Lecture three hours a week, and laboratory 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): HLTH 2001 and HLTH 2003, or permission of the department.

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 2001 and HLTH 2003, or permission of the department.

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 or HLTH 1001, or permission of the department.

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 1000 or HLTH 1001, or permission of the department.

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 geneenvironment interactions and the clustering of specific disease phenotypes.

Includes: Experiential Learning Activity

Prerequisite(s): STAT 2507 and HLTH 2001, or permission of the department.

Lecture three hours a week, lab/workshop two 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.

Includes: Experiential Learning Activity

Prerequisite(s): HLTH 2002 and BIOL 2200 or permission of the department.

Lecture three hours a week, laboratory four hours a week. Labs require regular participation outside of the scheduled lab time.

HLTH 3303 [0.5 credit] Molecular and Cellular Pathology II

Advanced concepts in cell signaling and function, cell injury and death, tissue structure and wound healing and repair. This course will integrate genetic, biochemical and physiological mechanisms that contribute to health and disease.

Includes: Experiential Learning Activity Prerequisite(s): HLTH 2002. Lecture three hours a week, lab four hours a week.

HLTH 3401 [0.5 credit] Diseases of Childhood

Epidemiological, psychological and physiological basis for disease in childhood and adolescence. Topics will be discussed from a global and Canadian perspective and include the medicalization of these diseases.

Includes: Experiential Learning Activity

Prerequisite(s): HLTH 2002 and HLTH 2003 or permission of the department.

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 and HLTH 2003 or permission of department.

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 2002 and HLTH 2003, or permission of the department.

Lecture and seminar three hours a week.

HLTH 3404 [0.5 credit]

Psychosocial and Biological Interactions in Health

The psychosocial and biological mechanisms that interact to influence health outcomes. Cultural, political, socioeconomic, and psychological factors that can impact the biological mechanisms underlying both mental and physical health; epigenetic and genetic alterations; implications for psychosocial interventions.

Precludes additional credit for HLTH 4402 (no longer offered).

Prerequisite(s): HLTH 2002 and HLTH 2003 or permission of the department.

Lecture and seminar three hours a week.

HLTH 3503 [0.5 credit] Disability and Chronic Health

Disability and Chronic Health Conditions

An interdisciplinary view of disability and chronic health conditions, including risk factors, prevalence, and the trajectory of such conditions. Functional impact based on life stage. Strategies for health promotion, prevention, accommodations, treatment, and rehabilitation. Prerequisite(s): HLTH 2002 and HLTH 2003 or permission of the department.

Lecture three hours a week.

HLTH 3901 [0.5 credit]

Emerging Issues in Health Sciences I

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

Includes: Experiential Learning Activity Prerequisite(s): third-year standing and above in the BHSc program, an overall CGPA of at least 8.5 and permission of the Department of Health Sciences. Seminars three hours a week.

HLTH 3902 [0.5 credit]

Emerging Issues in Health Sciences II

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

Includes: Experiential Learning Activity

Prerequisite(s): third-year standing and above in the BHSc program, an overall CGPA of at least 8.5 and permission of the Department of Health Sciences. Seminars three hours a week.

HLTH 3903 [0.5 credit]

Emerging Issues in Health Sciences III

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

Includes: Experiential Learning Activity

Prerequisite(s): third-year standing and above in the BHSc program, an overall CGPA of at least 8.5 and permission of the Department of Health Sciences. Seminars three hours a week.

HLTH 3904 [0.5 credit]

Emerging Issues in Health Sciences IV

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

Includes: Experiential Learning Activity

Prerequisite(s): third-year standing and above in the BHSc program, an overall CGPA of at least 8.5 and permission of the Department of Health Sciences. Seminars three hours a week.

HLTH 3905 [0.5 credit]

Emerging Issues in Health Sciences V

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

Includes: Experiential Learning Activity

Prerequisite(s): third-year standing and above in the BHSc program, an overall CGPA of at least 8.5 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, or permission of the department.

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): HLTH 1000 or HLTH 1001 and third-year standing or higher, or permission of the department. Also offered at the graduate level, with different requirements, as HLTH 5350, for which additional credit is precluded.

Lecture and seminar three hours a week.

HLTH 4201 [0.5 credit] **Applied Health Statistics**

Statistics concepts and procedures used in the analysis of health data; techniques commonly used to analyze data collected from different types of epidemiological and experimental study designs; how to interpret and present statistical findings.

Includes: Experiential Learning Activity

Prerequisite(s): HLTH 3201 and STAT 2507 or permission of the department.

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 2507 or permission of the department.

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 2004 and HLTH 3302 or permission of the department.

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 or BIOL 4200 or BIOC 4200 or permission of the department.

Lecture three hours a week.

HLTH 4303 [0.5 credit]

Fundamentals in Pharmacology and Toxicology Introduction to pharmacological principles, xenobiotics and their interactions within living systems. Topics include biological mechanisms of action of xenobiotics on macromolecules, cells and their effects on various organ systems. Social, legal and governmental policies will be discussed.

Prerequisite(s): HLTH 3303 or permission of the department.

Lecture and seminar three hours a week.

HLTH 4401 [0.5 credit]

Maternal and Perinatal Determinants of Health

The integrated genetic, physiologic and environmental events occurring in early life that impact pregnancy, fetal/infant development and disease risk throughout the lifecourse, with a focus on the mechanisms driving these events.

Prerequisite(s): HLTH 2003 and HLTH 3302 or permission of the department.

Lecture three hours a week.

HLTH 4502 [0.5 credit]

Disabilities and Disorders Related to Sensory Nervous System

Congenital and acquired disabilities related to sensory organs and processes, including visual and hearing impairments, vestibular and balance disorders, reflex problems, and others. Interdisciplinary approach to causes, mechanisms, accessibility, accommodations and interventions.

Includes: Experiential Learning Activity

Precludes additional credit for HLTH 3501 (no longer offered).

Prerequisite(s): Either 1) HLTH 3503 and (BIOL 2005 or BIOL 3305 or BIOL 3306), or 2) NEUR 3206, or 3) permission of the department.

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

HLTH 4503 [0.5 credit]

Trauma-related Disability and Impairments

Biomedical and psychosocial factors associated with trauma-related illnesses, stressors, injuries and disabilities, including traumatic brain injury, spinal cord injury, fractures, amputations, burns, post-traumatic stress disorder, and others. Short- and long-term considerations for care and rehabilitation.

Precludes additional credit for HLTH 3502 (no longer offered).

Prerequisite(s): HLTH 3503 and (BIOL 2005 or BIOL 3305 or BIOL 3306) or permission of the department. 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 or permission of the department.

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 and permission of the instructor.

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 study, open to third- and fourth-year students to explore a particular health related topic, in consultation with a Faculty supervisor. May include directed reading, written assignments, tutorials, laboratory or field work. Includes: Experiential Learning Activity

Prerequisite(s): third- or fourth-year standing in the B.H.Sc. program, in addition to permission of the Faculty supervisor and the Department of Health Sciences.

HLTH 4906 [1.0 credit]

Capstone course – Research Essay

Independent critical review and research proposal on a health- related topic, using library, database and/or bioinformatics resources, under the supervision of the course instructor. Seminar topics include identification and critical review of resources, development of scientific writing skills, and formulation of health science-related research.

Includes: Experiential Learning Activity Precludes additional credit for HLTH 4907, HLTH 4908 (no longer offered), HLTH 4909, HLTH 4910.

Prerequisite(s): fourth-year standing in the B.H.Sc. Honours and permission of the Department of Health Sciences.

Lecture/seminar three hours a week.

HLTH 4907 [1.0 credit]

Capstone Course – Group Research Project

A collaborative project on a health related topic. Students, working together as a team, will complete a research project and develop communication and research skills under the supervision of the faculty supervisor. Evaluation will be based on a written report and oral presentation. Includes: Experiential Learning Activity

Precludes additional credit for HLTH 4906, HLTH 4908 (no longer offered), HLTH 4909, HLTH 4910.

Prerequisite(s): fourth-year standing in the B.H.Sc.

Honours program, one of HLTH 3901, HLTH 3902,

HLTH 3903, HLTH 3904 or HLTH 3905, a major CGPA of at least 9.0, and permission of the Faculty supervisor and the Department of Health Sciences.

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

HLTH 4909 [1.0 credit] Capstone Course – Field Placement and Research Project

Field placement providing practical experience in a health-related field. Placements may be in institutional or community settings, governmental or non-governmental organizations. Sites may vary each year. Evaluation based on a written report and an oral presentation. Includes: Experiential Learning Activity Precludes additional credit for HLTH 4906, HLTH 4907, HLTH 4908 (no longer offered), HLTH 4910. Prerequisite(s): fourth-year standing in B.H.Sc. Honours, one of HLTH 3901, HLTH 3902, HLTH 3903, HLTH 3904 or HLTH 3905, a major CGPA of at least 9.0 and permission of the Department of Health Sciences. Schedules may vary depending on the field placement site, but students are required to spend a minimum of eight hours per week on-site and attend required seminars as arranged by the course instructor.

HLTH 4910 [1.0 credit]

Honours Individual Research Thesis

An independent health related research project under the direct supervision of a faculty member. Evaluation will be based on a written thesis and oral poster presentation (oral or poster).

Includes: Experiential Learning Activity Precludes additional credit for HLTH 4906, HLTH 4907, HLTH 4908, HLTH 4909.

Prerequisite(s): fourth-year standing in B.Sc. Honours Health Sciences, one of HLTH 3901, HLTH 3902, HLTH 3903, HLTH 3904 or HLTH 3905, a major CGPA of at least 10.0, and permission of the Faculty advisor and the Department of Health Sciences. Permission will depend, in part, on capacity, such that meeting the minimum requirements does not guarantee enrollment in this research thesis course.