

GEOGRAPHY - GENERAL (SCIENCE) - BACHELOR OF **SCIENCE**

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Subject: Administered by the Department of Geography and

Plan: Consists of 48.00 units as described below.

Program: The Plan, with sufficient electives to total 90.00 units, will lead to a Bachelor of Science Degree.

Code 1. Core	Title	Units
A. Complete 6	5.00 units from the following:	6.00
	Human Geography 100hinking Locally	
and		
GPHY 102	Physical Geography and Natural Resources	
B. Complete t	he following:	
GPHY 207	Principles Of Biogeography	3.00

GI III 207	Trinciples of biogeography	5.00
GPHY 208	Surface Processes, Landforms, and Soils	3.00
GPHY 209	Weather and Climate	3.00
C. Complete t	he following:	
GPHY 247	Introduction to Statistics	3.00
D. Complete 3	.00 units from the following:	3.00
GPHY 242	Remote Sensing I: Remote Sensing of the Environment	
GPHY 243	Geographic Information Science	

2.	U	p	τı	0	n

A	A. Complete 9.00 units from the following:	9.00
	GPHY_Physical at the 300-level or above	
	GPHY_Tech/Methods at the 300-level or above	

B. Complete 6.00 units from the following course list: 6.00 GPHY_Human at the 200-level or above

3. Supporting

Α	. Complete 6.00 units from the following:	6.00
	CHEM at the 100-level or above	
	MATH at the 100-level or above	
	STAT at the 100-level or above	
	PHYS at the 100-level or above	

4. Additional Requirements

A. Minimum of an additional 6.00 units in the physical and .00 natural sciences or mathematics, from ASC_Science.

Electives

Total Units 90.00
Elective Courses 42.00

5. Notes

A. A maximum of 6.00 units from courses offered by other Faculties and Schools may be counted toward the program and/or Plan requirements. This includes courses in BMED, COMM, GLPH, HSCI, LAW, NURS, and courses in the Faculty of Engineering and Applied Science.

Geography Course Lists

The following lists contain courses offered through other Departments. In accordance with Academic Regulation **2.6** (Access to Classes), students do not have enrolment priority in all of these courses. Access to these courses may only be made available during the Open Enrolment period, and then only if space permits.

ASC_Science

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Code	Title	Units
Natural and P	hysical Science Courses	
ANAT		
ASTR		
BCHM		
BIOL		
BIOM		
BMED 384	Integrative Laboratory Course	3.00
BMED 470	Principles of 'Omics'	3.00
BMED 480	Clinical Applications of Human Anatomy	3.00
CANC		
CHEE 209	Analysis Of Process Data	3.50
CHEM		
CISC		
COGS		
COMM 162	Managerial Statistics	3.00
COMP		
CRSS		
DDHT		
ECON 250	Introduction to Statistics	3.00
ENSC 201	Environmental Toxicology and Chemical Risks	3.00
ENSC 301	Environmental Assessment	3.00
ENSC 307	Marine Environmental Issues	3.00



ENSC 320	Wildlife Issues in a Changing World	3.00
ENSC 407	Global Water Issues	3.00
ENSC 425	Ecotoxicology	3.00
ENSC 471	Environmental Analysis Methods	3.00
ENSC 480	Special Topics in Environmental Science	3.00
EPID		
GEOL		
GLPH 472	Special Populations: Neonatal to End-of-Life-Care	3.00
GPHY_Physical	Course List	
GPHY_Tech/Me	ethods Course List	
HLTH 230	Basic Human Nutrition	3.00
HLTH 331	Advanced Human Nutrition	3.00
HSCI 270	Fundamentals of Health Research Methodology	3.00
KNPE 125	Introduction to Human Physiology	3.00
KNPE 153	Introductory Biomechanics	3.00
KNPE 225	Advanced Human Physiology	3.00
KNPE 227	Exercise Physiology	3.00
KNPE 251	Introduction to Statistics	3.00
KNPE 254	Biomechanical Analysis of Human Movement	3.00
KNPE 255	Physical Activity, Fitness, and Health	3.00
KNPE 261	Theory of Motor Behaviour and Motor Learning	3.00
KNPE 327	Exercise Physiology Laboratory	3.00
KNPE 339	Advanced Exercise Metabolism	3.00
KNPE 354	Occupational Biomechanics and Physical Ergonomics	3.00
KNPE 355	Lifestyle and Cardiometabolic Assessmentaboratory	f3.00
KNPE 425	Physiology of Stress	3.00
KNPE 429	Skeletal Muscle Oxygen Delivery: Demand Matching in Exercise	d3.00
KNPE 439	Critical Appraisal and Translation of Muscle Physiology Research	3.00
KNPE 450	Ergonomics	3.00
KNPE 454	Clinical Biomechanics	3.00
KNPE 455	Advanced Physical Activity and Health	3.00
KNPE 459	Clinical Exercise Physiology	3.00
KNPE 493	Special Topics in Kinesiology	3.00
LISC		
MATH		
MICR		
NSCI		
NURS 323	Introduction to Statistics	3.00

NURS 324	Research in Nursing	3.00
PATH		
PHAR		
PHGY		
PHYS		
POLS 285	Introduction to Statistics	3.00
PSYC 100	Principles of Psychology	6.00
PSYC 101	Principles of Psychology I	3.00
PSYC 102	Principles of Psychology II	3.00
PSYC 103	Principles of Psychology III	3.00
PSYC 202	Statistics in Psychology	3.00
PSYC 203	Research Methods in Psychology	3.00
PSYC 221	Cognitive Psychology	3.00
PSYC 271	Brain and Behaviour I	3.00
PSYC 299	Introduction to Directed Research in Psychology	3.00
PSYC 301	Advanced Statistical Inference	3.00
PSYC 302	Advanced Research Methods	3.00
PSYC 450	Advanced Topics in Developmental Psychology	3.00
PSYC_Cognitive	· Course List	
PSYC_Behaviou	ıralNeuroscience Course List	
REPD		
SOCY 210	Social Research Methods	3.00
SOCY 211	Introduction to Statistics	3.00
SOFT		
STAM		
STAT		

GPHY_Human

Code	Title	Units
Human Geog	raphy	
GPHY 101	Human Geography	3.00
GPHY 227	Cities: Geography, Planning and Urban	Life.00
GPHY 228	Geographies of the Global Political Economy	3.00
GPHY 229	Place, Space, Culture and Social Life	3.00
GPHY 230	Introduction to Urban and Regional Planning	3.00
GPHY 250	The Geography of Canada	3.00
GPHY 254	The Caribbean in Globalizing World	3.00
GPHY 257	The Geography of Middle America	3.00
GPHY 258	The Geography of South America	3.00
GPHY 309	Field School in Geography	3.00
GPHY 319	Contemporary Energy Resources	3.00
GPHY 320	Energy and Society	3.00



CDLIV 225		2.00	CDL IV 242		2.00
GPHY 325	Maps and Society	3.00	GPHY 312	Watershed Hydrology	3.00
GPHY 327	The Geographical Imagination	3.00	GPHY 313	Glacier Processes and Dynamics	3.00
GPHY 330	Transportation Geography	3.00	GPHY 314	Climate Change	3.00
GPHY 332	Cities and Planning for Sustainable Development	3.00	GPHY 315	Advanced Field Measurements and Thei Analysis	r 3.00
GPHY 333	Markets, Environments and Societies	3.00	GPHY 317	Soil, Environment, and Society	3.00
GPHY 334	Geographies of Growth and Decline	3.00	GPHY 318	Advanced Biogeography	3.00
GPHY 336	Geography, the Environment and Humar	3.00	GPHY 319	Contemporary Energy Resources	3.00
	Health		GPHY 320	Energy and Society	3.00
GPHY 337	Regional Development and Planning	3.00	GPHY 371	Special Topics in Earth System Science	3.00
GPHY 338	Urban Political Geography	3.00	GPHY 413	Water, Energy and Carbon Cycling in the	3.00
GPHY 339	Medical Geography	3.00		Biosphere	
GPHY 351	Geographies of Indigenous and Settler Relations	3.00	GPHY 415	Advanced Analysis of Earth Surface Processes	6.00
GPHY 352	Gender and the City	3.00	GPHY 417	Land-Use Change in the Earth System	3.00
GPHY 362	Human Migration	3.00	GPHY 501	Special Studies in Geography	3.00
GPHY 365	Geography, Development, and	3.00	GPHY 502	Research and Thesis in Geography I	3.00
	Environment in the 'Third World'		GPHY 503	Research and Thesis Geography II	6.00
GPHY 368	Environments and Society	3.00	GPHY Tech	/Mathads	
GPHY 369	Urban Natures	3.00	_		11
GPHY 370	Special Topics in Human Geography	3.00	Code		Units
GPHY 401	Honours Seminar in Human Geography		Information S	Research Methods and Geographic	
GPHY 402	Honours Seminar in Human Geography		GPHY 105	The Digital Earth: Geospatial Data and	3.00
GPHY 403	Honours Seminar in Human Geography	113.00	GFIII 105	Earth Observation	3.00
GPHY 501	Special Studies in Geography	3.00	GPHY 240	Introduction to Qualitative Methods in	3.00
GPHY 502	Research and Thesis in Geography I	3.00		Geography	
GPHY 503	Research and Thesis Geography II	6.00	GPHY 242	Remote Sensing I: Remote Sensing of the	e 3.00
IDIS 302	Race and Racism	3.00		Environment	
GPHY_Phys	sical		GPHY 243	Geographic Information Science	3.00
Code		Units	GPHY 247	Introduction to Statistics	3.00
Physical Geog	raphy		GPHY 315	Advanced Field Measurements and Thei Analysis	r 3.00
GPHY 102	Physical Geography and Natural Resources	3.00	GPHY 341	Photogrammetry	3.00
GPHY 203	Water Resources and Management	3.00	GPHY 342	Remote Sensing II: Digital Image	3.00
GPHY 204	Forests as a Global Resource	3.00		Processing	
GPHY 207	Principles Of Biogeography	3.00	GPHY 343	Applications for Geospatial Technology f	00.ടി
GPHY 208	Surface Processes, Landforms, and Soils	3.00	CDLIV 244	Business	- 2.00
GPHY 209	Weather and Climate	3.00	GPHY 344	Cartography and Computer Aided Desig	
GPHY 215	Field Studies in Physical Geography	3.00	GPHY 345	Spatial Analysis	3.00
GPHY 304	Northern and Arctic Environments	3.00	GPHY 346	GIS and Modelling for Environmental Applications	3.00
GPHY 305	Applied Cold Regions Science	3.00	GPHY 347	Multivariate and Spatial Statistics	3.00
GPHY 306	Natural Environmental Change	3.00	GPHY 348	Application Design and Customization in	
GPHY 309	Field School in Geography	3.00	GEIII 340	GIS	1 3.00
GPHY 310	Landscape Ecology	3.00	GPHY 349	GIScience and Public Health	3.00
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3.00

GPHY 311

Biogeochemical Processes



GPHY 372	Special Topics Geographic Information Science	3.00
GPHY 501	Special Studies in Geography	3.00
GPHY 502	Research and Thesis in Geography I	3.00
GPHY 503	Research and Thesis Geography II	6.00