B.Sc. Honours Program:

Major in Environmental Geomatics (Co-op)

Name:		Student #
About the Prog	ram	
core foundation in t interpretation, anal spatial technologies	the analyty sis and posts to the standard the Co-o	tunities for study of the processes and properties of the biophysical environment and a ical techniques (i.e. Geographical Information Science and Remote Sensing) used for the resentation. Graduates of the program will have unique specialty in the application of udy and assessment of biophysical and Earth surface processes. This check-list applies to p program. Students enrolled in the regular stream should consult the check-list
Check-list [base	d on 2019	9-20 calendar]
		ome for counselling and leave it with your counsellor in your semester of graduation. A list of counsellors of the Hutt Building during registration period. At other times check with the secretary in Hutt 119
Semester 1 - FAL	.L	
GEOG*1350	[0.50]	Earth: Hazards and Global Change
BIOL*1070	[0.50]	Discovering Biodiversity
CHEM*1040	[0.50]	General Chemistry I
PHYS*1080	[0.50]	Physics for Life Science
One of:		
MATH*1080		Elements of Calculus I
MATH*1200		Calculus I
_	_	e 12 course in Biology, Chemistry or Physics must take the equivalent intro course in first semester. The required first-year per completed according to the revised schedule of studies available at http://www.bsc.uoguelph.ca/revisedss.shtml.
Semester 2 - WIN	ITER	
BIOL*1090	[0.5	0] Introduction to Molecular and Cellular Biology
CHEM*1050	[0.5	D] General Chemistry II
GEOG*1300	[0.5	
PHYS*1070	[0.5	
	-	s * (GEOG*1220 is recommended)
Semester 3 - FAL	.L	
GEOG*2000	[0.50]	Geomorphology
GEOG*2420	[0.50]	The Earth from Space
GEOG*2480	[0.50]	Mapping and GIS
ENVS*2240	[0.50]	Fundamentals of Environmental Geology
COOP*1100	[0.50]	Introduction to Co-operative Education
STAT*2040	[0.50]	Statistics I
0.50 Liberal Education	on elective	S

Seme	ester 4 - WIN	TER	Semester 4 - WINTER									
	GEOG*2110		50]	Climate and the Biophysical Environment								
	GEOG*2210		50]	Environment and Resources								
	STAT*2040		50]	Statistics I								
	One of:											
	CIS*1200		50]	Introduction to Computing								
			50]	Introduction to Programming								
	MATH*1210 MATH*1090			Calculus II								
1 00 =	approved Science	.0] e elective		Elements of Calculus II								
			.5									
SUM	IMER SEMES	STER										
	COOP*1000	[0.50]	Co-	op Work Term I								
Seme	ester 5 - FAL	I										
	GEOG*3000		0]	Fluvial Processes								
	GEOG*3110	[0.5	0]	Biotic and Natural Resources								
	GEOG*3480			GIS and Spatial Analysis								
0.50 a	approved Science	e elective	s and	0.5 Liberal Education electives								
WIN.	TER SEMES	TER										
	COOP*2000	[0.50]	Co-	op Work Term II								
Seme	ester 6 - SUN		_									
	GEOG*3610	_	50]	Environmental Hydrology								
	GEOG*4990	[0.5	50]	Independent Study in Geography								
	One of:	•										
	GEOG*3020 GEOG*3210	_	50] 501	Global Environmental Change								
1.00		[0.5	נטפ	Management of the Biophysical Environment								
1.00 €	electives											
FAL	L SEMESTE	D										
	L SEIVIES I EI	7										
		-	Co-	op Work Term III								
	COOP*3000	-	Co-	op Work Term III								
WIN.		[0.50]	Co-	op Work Term III								
WIN	COOP*3000	[0.50]		op Work Term III op Work Term IV								
	COOP*3000 TER SEMES COOP*4000	[0.50] TER [0.50]										
	COOP*3000 TER SEMES COOP*4000 ester 7 - FAL	[0.50] TER [0.50]	Co-	op Work Term IV								
Seme	COOP*3000 TER SEMES COOP*4000 ester 7 - FAL GEOG*4110	[0.50] TER [0.50] L [1.00]	Co-	op Work Term IV vironmental Systems Analysis								
Seme	COOP*3000 TER SEMES COOP*4000 ester 7 - FAL GEOG*4110	[0.50] TER [0.50] L [1.00]	Co-	op Work Term IV								
Seme	COOP*3000 TER SEMES COOP*4000 ester 7 - FAL GEOG*4110 electives, at leas	[0.50] TER [0.50] L [1.00] t 1.00 from	Co-	op Work Term IV vironmental Systems Analysis								
Seme	COOP*3000 TER SEMES COOP*4000 ester 7 - FAL GEOG*4110 electives, at lease	[0.50] TER [0.50] L [1.00] t 1.00 from	Co- Env m ap	op Work Term IV vironmental Systems Analysis proved Science electives								
Seme	COOP*3000 TER SEMES COOP*4000 ester 7 - FAL GEOG*4110 electives, at leas ester 8 - WIN' GEOG*4150	[0.50] TER [0.50] L [1.00] t 1.00 fro TER [0.50]	Co- Env m ap Cat	vironmental Systems Analysis proved Science electives								
Seme 1.50 €	COOP*3000 TER SEMES COOP*4000 ester 7 - FAL GEOG*4110 electives, at leas ester 8 - WIN GEOG*4150 GEOG*4480	[0.50] TER [0.50] L [1.00] t 1.00 from TER [0.50] [1.00]	Env m ap Cat Ap	op Work Term IV vironmental Systems Analysis proved Science electives								

Credit Summary (20.00 total credits)

4.50 First year Science credits
 9.00 Required Science courses semesters 3–8
 2.50 Approved Science electives
 1.00 Liberal Education electives

1.00 Required Social Science courses semesters 3–8 2.00 Free electives (any approved elective for BSc students)

Of the total credits required, students are required to complete 16.00 credits in science of which 2.00 credits must be at the 4000 level and an additional 4.00 credits must be at the 3000 or 4000 level.

Course Substitutions								
Required course								
Course substituted								
Date								
Signature								
Date of entry to progra		August 21, 2019						