## B.Sc. Honours Program:

## Major in Environmental Geomatics (Regular Program)

Name	:		Student #
Abo	ut the Pro	gram	
core for nterpos spatial studer	oundation in the retation, analy I technologies	ne analyti sis and p to the stu the regul	unities for study of the processes and properties of the biophysical environment and a cal techniques (i.e. Geographical Information Science and Remote Sensing) used for their resentation. Graduates of the program will have unique specialty in the application of dy and assessment of biophysical and Earth surface processes. This check-list applies to ar program. Students enrolled in the Co-op stream should consult the check-list
Che	ck-list [bas	ed on 20	19-20 calendar]
			me for counselling and leave it with your counsellor in your semester of graduation. A list of counsellors f the Hutt Building during registration period. At other times check with the secretary in Hutt 119
Seme	ester 1		
	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 MATH*1200	[0.50] [0.50]	Elements of Calculus I Calculus I
	_	-	12 course in Biology, Chemistry or Physics must take the equivalent intro course in first semester. The required first-year ecompleted according to the revised schedule of studies available at http://www.bsc.uoguelph.ca/revisedss.shtml.
Seme	ester 2		
	BIOL*1090	[0.50	] Introduction to Molecular and Cellular Biology
	CHEM*1050	[0.50	<del></del>
	GEOG*1300	[0.50	Introduction to the Biophysical Environment
	PHYS*1070	[0.50	
0.50 L	iberal Education	n electives	* (GEOG*1220 is recommended)
Seme	ester 3		
	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
0.50 L	iberal Education	n electives	

Semester 4						
GEOG*2110		[0.50]	Climate and the Biophysical Environment			
GEOG*2	210	[0.50]	<b>Environment and Res</b>	ources		
STAT*20	40	[0.50]	Statistics I			
One of:						
CIS*1200	)	[0.50]	Introduction to Comp	uting		
CIS*1500		[0.50]	Introduction to Progra	_		
MATH*1	210	[0.50]	Calculus II			
MATH*1090		[0.50]	Elements of Calculus I	I		
1.00 approved S	cience elec	tives				
Semester 5						
GEOG*3	000 [0.50	)] Fluv	vial Processes			
GEOG*3	•	•	tic and Natural Resourc	es		
One of:		, 5.0				
GEOG*3	020 [0.50	)] Glo	bal Environmental Cha	nge		
GEOG*3	-	_	nder and Environment			
GEOG*3	_	-	nagement of the Bioph	ysical Er	nvironment	
1.00 electives, a	_	_	proved Science electives	=		
,						
Semester 6						
GEOG*3	420 [0.50	)] Ren	note Sensing of the Env	/ironme	nt	
GEOG*3	480 [0.50	)] GIS	and Spatial Analysis			
GEOG*3	610 [0.50	)] Env	ironmental Hydrology			
1.00 electives, a	t least 0.50	from app	proved Science electives	5		
Semester 7						
GEOG*4	110 [1.00	ll Env	ironmental Systems Ar	alveis		
	•	_		-	* <b>4690</b> is recommended)	
1.50 electives, a	t 1east 1.00	ποιπ αμ	noved Science electives	s (GEOG	4050 is recommended)	
Semester 8						
GEOG*4	150 [0.50	)] Cat	chment Processes			
GEOG*4	480 [1.00	)] App	olied Geomatics			
1.00 approved S	cience elec	tives				
Credit Summa	ary (20 00	) total (	radits)			
4.50 First year Sc			, euits)	3 00	Approved Science electives	
8.50 Required Sc			sters 3–8	1.00	Liberal Education electives	
1.00 Required So					Free electives	
	•		are required to complous s are required to complous		0 credits in science of which 2.00 credits must be at the 4000	
iever and an addit	101101 4.00	Lieuits III	ust be at the 5000 of 40	Jou leve	:1.	
Course Subst	itutions					
Required course						
Course substitute	d			-		
Date						
Signature						

Date of entry to program: \_\_\_\_\_