4-year BSc Geomatics/Computing Recipes

(requires 120 credit hours)

4-4	Geography GEOG1102: Intro Human Geography PCE 3	Academia Wakina	Humanities 3	Web Design ACS1805: Intro to Programming 3	Programming ACS1805: Intro to Programming	Database
1st year	GEOG1103: Intro Human Geography PPD 3	Academic Writing 3 Indegineous 3	Humanities 3 Humanities 3	ACS1805: Intro to Programming 3 ACS1903: Programming Fundamentals II 3	ACS1805: Intro to Programming 3 ACS1904: Programming Fundamentals II 3	ACS1805: Intro to Programming 3 ACS1904: Programming Fundamentals II 3
	GEOG1201: Intro Atmospheric Science 3 GEOG1202: Intro Earth Science 3	(GEOG3512 is	Humanities 3 Humanities 3	ACS1809: Website Design & Development 3	MATH1401: Discrete Mathematics 3	MATH1401: Discrete Mathematics 3
	occorrect many car an solenice	eligible for (3) Indigeneous	Transaction 5			
2nd year	GEOG2304: Computer Mapping 3	requirement)		ACS2814: Applications of Database Systems 3	ACS2913: Software Requirements 3	ACS2814: Applications of Database Systems 3
, ,	GEOG2306: Intro to GIS 3			ACS2909: Internet Programming 3	ACS2947: Data structures & algorithms 3	ACS2947: Data structures & algorithms 3
	GEOG2309: Statistical Tech & Env Analysis 3 GEOG2316: Intro to Remote Sensng 3			PHYS2102: Scientific Computing (C+) 3	PHYS2102: Scientific Computing (C+) 3	PHYS2102: Scientific Computing (C+) 3
				PHYS2104: Scientific Computing Python 3	PHYS2104: Scientific Computing Python 3	PHYS2104: Scientific Computing Python 3
	4 of the following: 12 GEOG2207: Climatology					
	GEOG2210: Meteorology					
	GEOG2213: Intro Soil Science GEOG2214: Soil-Vegetation Systems					
	GEOG2215: Mineralogy & Petrology					
	GEOG2216: Physical Geology GEOG2218: Fluvial & Hillslope Processes					
	GEOG2219: Glacial & Periglacial Processes					
	GEOG3210: Hydrology					
3rd year	GEOG3509: Canada 3			ACS3909: Adv Internet Programming 3	ACS3913: Software Design & Arch 3	ACS3902: Database Systems 3
J.u yeu.	GEOG3330: Methods 3			A COSSOS AND THE CHIEF TO BE CHIMING	71655515.501.Wa.e Bessg., w. 71861.	, leads of stems
	2 of 3 below: 6					
	GEOG3306: Advanced GIS					
	GEOG3307: Advanced Computer Mapping GEOG3319: Advanced Remote Sensing					
	Human Geo @ 34xx 6					
	numan deo @ 34xx					
4th year	2 of 3 below: 6				ACS4306: Applied Parallel Prog 3	ACS4902: Adv Database Systems 3
· · · · · · · ·	GEOG4320: Projects in Geomatics				ACS4953: Intro to Machine Learning 3	ACS4904: Database Warehousing 3
	GEOG4321: Topics in Geomatics I GEOG4322: Topics in Geomatics II					
	Human Geo @ 44xx (or can use GEOG4801: Geog Field Seminar BA) 6					
	Subtotal (no thesis) 66		12	24	30	20
		В	12	108	114	114
	GEOG4901: Honours Geography Thesis 6					
	Total (with thesis) 72			114	120	120

NOTES: 4-year degrees are 120 hours; so some hours/credits open for other electives if no thesis or with WebDesign option. CALC40S required from high school.