

4-year BA Geomatics/Computing Recipes

(requires 120 credit hours)

Year	Geography	Academic Writing	Indegenious	Humanities	Humanities	Humanities	Humanities	Web Design		
1st year	GEOG1102: Intro Human Geography PCE	3	3	3	3	3	3	ACS1805: Intro to Programming	3	
	GEOG1103: Intro Human Geography PPD	3	3	3	3	3	3	ACS1809: Website Design & Development	3	
	GEOG1201: Intro Atmospheric Science	3	(GEOG3512 is eligible for (3) indegenious requirement)	3	3	3	3	ACS1903: Programming Fundamentals II	3	
	GEOG1202: Intro Earth Science	3		3	3	3				
2nd year										
GEOG2304: Computer Mapping	3							ACS2814: Applications of Database Systems	3	
	GEOG2306: Intro to GIS	3						ACS2909: Internet Programming	3	
	GEOG2309: Statistical Tech & Env Analysis	3								
	GEOG2316: Intro to Remote Sensing	3								
	1 of the following:	3								
	GEOG2503: Manitoba's Phys & Human Env.									
	GEOG3216: Arctic Environments									
	GEOG3508: Geographical Issue in the Dev. World									
	GEOG3510: Prairie Landscapes									
	GEOG3511: Topical Regions in Geography									
	GEOG3512: Human Geography of Northern Canada									
3rd year	GEOG3509: Canada's Phy & Human Env.	3								
	GEOG3330: Research Methods in Geography	3							ACS3909: Adv Internet Programming	3
	2 of 3 below:	6								
	GEOG3306: Advanced GIS									
	GEOG3307: Advanced Computer Mapping									
	GEOG3319: Advanced Remote Sensing									
	Human Geo @ 24xx,34xx,44xx	6								
4th year	2 of 3 below:	6								
	GEOG4320: Projects in Geomatics									
	GEOG4321: Topics in Geomatics I									
	GEOG4322: Topics in Geomatics II									
	4th Year Experiential Learning (e.g., GEOG4801: Geog Field Seminar BA)	3								
	Subtotal (no thesis)	54	6	12	24				96	
	GEOG4901: Honours Geography Thesis	6								
	Total (with thesis)	60							102	

NOTES: 4-year degrees are 120 hours; so some hours/credits open fo
CALC405 required from high school.