

name \_\_\_\_\_ number \_\_\_\_\_ date \_\_\_\_\_

**Bachelor of Geomatics**

Course Sequence & Programme Assessment

for new students, in effect starting 2010/FA and 2011/WI, see instructions at end of list

year one \_\_\_\_/FA

CS 1003	Intro CS	4	—
GGE 1001	Intro Geodesy & Geomatics	5	—
GGE 2501	Land Administration I	4	—
MATH 1003	Intro Calculus	3	—
MATH 1503	Intro Linear Algebra	3	—
		19	

year one \_\_\_\_/WI

ECON 1073	Economics for Engrs	3	—
GGE 2012	Advanced Surveying	4	—
GGE 3202	Geodesy I	4	—
MATH 1013	Calculus II	3	—
GGE 2013	Adv Surv Practicum	4	s
		14+4	

year two \_\_\_\_/FA

GGE 2413	Mapping Concepts & Techny	5	—
GGE 3042	Space Geodesy	5	—
GGE 3342	Imaging & Mapping I	5	—
MATH 2513	Multi-variable Calculus	4	—
STAT 2593	Prob & Statistics Engr	3	—
		22	

year two \_\_\_\_/WI

CE 3963	Engineering Economy	3	—
GGE 3111	Intro Adjustment Calculus	5	—
GGE 4211	Geodesy II	5	—
GGE 4403	Geog Info Systems [GIS]	4	—
GGE 4512	Land Administration II	3	—
TME 3313	Managg Engg & IT Proj	3	—
		23	

year three \_\_\_\_/FA

GGE 3122	Adv Adjustment Calculus	5	—
GGE 3353	Imaging & Mapping II	5	—
GGE 4022	Precision Surveying	4	—
_____	TE	—	see note below
_____	TE	—	see note below
		— + 14	

year three \_\_\_\_/WI

ENGG 4013	Law & Ethics for Engrs	3	—
GGE 3022	Survey Design & Analysis	4	—
GGE 4313	Imaging & Mapping III	5	—
GGE 3023	Surv Des Practicum	4	s
_____	TE	—	see note below
_____	TE	—	see note below
		— + 12+4	

Total: Core + TEs 112 + \_\_\_\_ = \_\_\_\_ ≥ 120 ch

Technical Electives and notes on page 2, overleaf.

name		number	date
TECHNICAL ELECTIVES [ <i>offering and term may vary from year to year</i> ]			
GGE 5813	Urban Planning	3 ch	— /FA CSO
GGE 5842	Site Planning	3	— /WI CSO
GGE 5013	Oceanography Hydro Surv	2	— /FA/WI CAPHS
GGE 5023	Tides & Water Levels	2	— /FA/WI CAPHS
GGE 5033	Marine Geology Hydrog	2	— /FA/WI CAPHS
GGE 5041	Engineering Surveying	4	— /WI
GGE 5042	Kinematic Positioning	5	— /FA CAPHS
GGE 5043	Marine Geophysics Hydrog	2	— /FA/WI CAPHS
GGE 5061	Mining Surveying	4	— /WI
GGE 5072	Hydrographic Data Mgt	3	— /FA CAPHS
GGE 5083	Hydro Survey Operations	3	— CAPHS only
GGE 5093	Industrial Metrology	4	— /WI
GGE 5222	Gravity Field & Geod Net	4	— /WI
GGE 5242	Spec Studies Geodesy	4	— /WI
GGE 5322	Digital Image Processing	4	— /WI
GGE 5402	Spatial Databases	3	— /WI
GGE 5521	Survey Law	4	— /FA CSO
GGE 5532	Land Economy & Admin	3	— /WI CSO
GGE 5543	Marine Policy, Law, & Adm	3	— /FA CAPHS

With prior Departmental approval, other courses may be taken as technical electives. At least one GGE 5000 level course must be done.

CSO: Cadastral Surveying Option [ $\geq 125$  ch]  
 Core + CSEs + GGE 5813 + GGE 5842 + GGE 5521 + GGE 5532

CAPHS: Certificate of Academic Proficiency in Hydrographic Surveying comprises the Bachelor of Geomatics core courses plus CS 3113 and GGE 4700 plus the eight GGE 5000 level courses annotated above.

Refer to the Bachelor of Geomatics programme and course descriptions in the current UNB Undergraduate Calendar.

*Enter the letter grade for a course done at UNB. Enter a "T" for any credit transferred. Do either entry only when the course number and credit hours match exactly. Otherwise, leave blank and consult the Director of Undergraduate Studies*