

Section II

EQUIVALENCIES

The term "equivalency" in this document means that a certain specified course or series of courses at certain technical institutes in Canada have been recognized by one or more of the four evaluating organizations as being equivalent to one or more of the items in Schedules I and II of the Joint Boards' syllabus.

This means that graduates of the Geomatics related programs at those technical Institutes can be exempted from some of the items in Schedules I and II they might otherwise be required to complete, provided they achieve a certain level of marks in the specified courses. In some cases it is also possible for a candidate to obtain an exemption by taking just the specified courses at the technical institute without graduating from the institute.

In the following pages equivalencies in effect as of April 2007 are listed for the different evaluating organizations.

ATLANTIC PROVINCES BOARD OF EXAMINERS FOR LAND SURVEYORS

College of the North Atlantic (CoNA)

Notes: An exemption is granted when marks of 70% or higher are obtained in all courses listed as being the equivalent to a syllabus item.

These equivalencies are based on course descriptions in effect during the 2001/2002 academic year.

Items I.5, I.6 and II.5 are considered together so exemption is granted for all three items if candidate earned at least 70% in all of the equivalent courses at CoNA

<u>Syllabus Item</u>	<u>Courses Required</u>
I.4 – Remote Sensing and Applied Photogrammetry	SU 2500 + SU 1570
I.5 - Spatial Data Base Management Systems (Informatics)	(with I.6, II.5 see note above) SU 1530
I.6 - Map Projections and Cartography	(with I.5, II.5 see note above) SU 1500 + SU 3300
II.4 - Land Use Planning and Environmental Management	CA 2900 + EN 1100 + GE 1200
II.5 - Land Information Systems and Management	(with I.5, I.6 see note above) SU 1440 + SU 1441

NSSC Centre of Geographic Sciences (CoGS)

Notes: An exemption is granted when marks of 70% or higher are obtained in all courses listed as being the equivalent to a syllabus item.

These exemptions are based on course descriptions in effect during the academic years noted [e.g., 2000/2001 as “00/01, 2001/2002 as “01/02”, etc.]. The academic year labelling refers to the years in which the exemption is effective. E.g., “01/04” means that the exemption is in effect for persons who completed the Geomatics Engineering Technology programme between 2001 and 2004.

<u>Syllabus Item</u>	<u>Courses Required</u>
I.2 - Least Squares Estimation and Data Analysis	00/01: GETG 1001 + GETG 1010 01/04: GETG 5001 + GETG 6010
I.3 - Advanced Surveying (including Survey Astronomy)	00/04 with II.1
I.5 - Spatial Data Base Management Systems (Informatics)	00/04 with II.5

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I.6 – Map Projections and Cartography	<p>00/01: SUTN 1003 + SUTN 1009 + GETG 1002</p> <p>01/02: SUTN 1003 + SUTN 1009 + GETG 5002</p> <p>02/04: SUTN 1003 + SUTN 2009 + GETG 5002</p>
I.7 - Cadastral Studies	<p>00/02: with II.3</p> <p>02/04: SUTN 1013 + GETG 6020</p>
II.1 - Geodetic Positioning (includes I.3)	<p>00/01: SUTN 1007 + SUTN 1017 + GETG 1002 + GETG 1024 + GETG 1028 + GETG 1032</p> <p>01/02: SUTN 1007 + SUTN 1019 + GETG 5002 + GETG 5024 + GETG 6032 + GETG 6028</p> <p>02/04: SUTN 2019 + GETG 5002 + GETG 5024 + GETG 5027 + GETG 6028 + GETG 6032</p>
II.3 - Survey Law	<p>00/01: SUTN 1013 + GETG 1020</p> <p>01/02: SUTN 1013 + GETG 6020</p> <p>02/04: No exemption [course content altered]</p>
II.5 - Land Information Systems and Management (includes Examination I-5)	<p>00/01: SUTN 1009 + GETG 1002 + GETG 1030</p> <p>01/02: SUTN 1009 + GETG 5002 + GETG 5030</p> <p>02/04: SUTN 2009 + GETG 5002 + GETG 5030</p>

CANADIAN BOARD OF EXAMINERS FOR PROFESSIONAL SURVEYORS

Northern Alberta Institute of Technology (NAIT)

Note: For the equivalencies that became effective on October 29, 2002, proof of graduation is the only requirement. On all others, an average mark of 60% is required on the subjects that make up an equivalency

<u>Syllabus Item</u>	<u>Equivalency Expires</u>	<u>Courses Required</u>
I-1 Mathematics	October 29, 2007	Diploma
I-3 Advanced Surveying	"	Diploma
I-6 Map Projections and Cartography	"	Diploma
I-2 Least Squares Estimation & Data Analysis	December 5, 2010	GET 421 + GET 411 + ASM 232
II-1 Geodetic Positioning	"	ASP 176 + GET 211 + GET 311 + GET 325 + GET 421
II-4 Land Use Planning and Environmental Management	"	GET 431 +GET 241
II-3 Survey Law	December 1, 2011	GET 71

Southern Alberta Institute of Technology (SAIT)

<u>Syllabus Item</u>	<u>Equivalency Expires</u>	<u>Courses Required</u>
I-1 Mathematics	October 29, 2007	Diploma – Surveying or Mapping
I-2 Least Squares Estimation & Data Analysis	"	Diploma – Surveying or Mapping
I-3 Advanced Surveying	"	Diploma – Surveying
I-4 Remote Sensing and Applied Photogrammetry	"	Diploma – Mapping
I-6 Map Projections and Cartography	"	Diploma – Surveying or Mapping

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Red River College (RRC)

<u>Syllabus Item</u>	<u>Equivalency Expires</u>	<u>Courses Required</u>
I-1 Mathematics	May 21, 2009	CIV 2102 + CIV 2202
I-3 Advanced Surveying	"	CIV 2107 + CIV 2233 + CIV 2235 + CIV 2335 + CIV 2247 + CIV 2347 + CIV 2336
I-7 Cadastral Studies	"	CIV 2333
II-3 Survey Law	"	CIV 2333
II-5 Land Information Systems	"	CIV 2234 + CIV 2334
II-6 Business: Law, Admin & Economics	"	CIV 2201 + CIV 2301 + CIV 2333

British Columbia Institute of Technology (BCIT)

<u>Syllabus Item</u>	<u>Equivalency Expires</u>	<u>Courses Required</u>
I-1 Mathematics	May 2, 2010	MATH 1511 + MATH 2511 + MATH 3511 + MATH 4511
I-2 Least Squares Estimation	"	GEOM 8352 OR SURV 4663
I-3 Advanced Surveying	"	GEOM 8362
I-4 Remote Sensing and Applied Photogrammetry	"	SURV 2267 + SURV 3351 + SURV 3387 + SURV 4451 + SURV 4487
I-6 Map Projections and Cartography	"	SURV 3363 + SURV 3350 + SURV 4450 OR SURV 3363 + SURV 1163 + SURV 3365 + SURV 4473 OR GEOM 7307
I-7 Cadastral Studies	"	GEOM 7330
II-1 Geodetic Positioning	"	GEOM 7301 + GEOM 7362 + GEOM 8310
II-2 Hydrographic Surveying and Oceanography	"	GEOM 8310
II-3 Survey Law	"	GEOM 8332
II-4 Land Use Planning and Environmental Management	"	GEOM 7350
II-6 Business: Law, Admin & Economics	"	BUSA 7250 + BLAW 3100 + ECON 1150

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College of the North Atlantic (CoNA)

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Centre of Geographical Sciences (CoGS)

For these two institutions CBEPS recognizes the same equivalencies as APBELS with the exception that APBELS requires a 70% mark on each of the courses needed for the exemption and CBEPS requires an average of 60% on the courses needed for the exemption.

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<u>Syllabus Item</u>	<u>Courses Required</u>
II-3 Survey Law	AOLS Survey Law 1 and 2