

Department of Geography

Degree Checklists

3-Year and 4-Year B.Sc. Degrees

2013-2014

These checklists summarize the requirements that must be met to obtain a 3-year or 4-year B.A. or B.Sc., degree with a Geography Major. This is the same information that is presented in the Geography section of the [University of Winnipeg's Course Calendar](#), but it is presented in a format that makes it easier for students to understand.

These checklists do not include the General Degree requirements (e.g. the Humanities Requirement, the Writing Requirement). For these, please refer to the Geography and Degree and Major Requirements sections of the Course Calendar.

Important reminders:

- The Major Requirements can change over time. Technically, the Major Requirements you must satisfy are those in place in the year in which you declare a Geography Major. To declare your major, see the Department Chair or a Geography faculty advisor.
- There are no restrictions on changing your mind about what degree you are pursuing. For example, you can at any time change your major declaration from a 3-year Geography B.A. to a 4-year Geography B.A., or from a 3-year Geography B.A. to a 3-year Geography B.Sc., and so on. However, to do this you must get the Department Chair or a Geography faculty advisor to sign the appropriate major declaration form, and have it submitted to Student Records.
- To earn a Double Major you must satisfy the major requirements of both departments. A Double Major may only be earned for equivalent degrees (e.g., two 3-year B.A. majors, or two 4-year B.Sc. majors).
- Only students who have declared themselves as Geography Majors are eligible for the many scholarships issued by the Geography Department.
- Once you have declared your major, you should meet annually with the Department Chair or a Geography faculty advisor to discuss your degree requirements and course selections. The Department Chair does have the ability to alter Major Requirements, but only in special circumstances.
- Students should also meet with a Student Advisor in Student Services to make sure that all Degree Requirements are understood and are being met.
- Remember: for all degrees, students may use a maximum of 42 credit hours of courses at the 1000-level or lower; of these, a maximum of 6 credit hours may be below the 1000-level. Since all Geography Majors must take 12 credit hours of 1000-level Geography courses, it is especially important that you select your intro-level courses carefully. In some circumstances, Geography Majors in 4-year degree programs may be allowed to take 45 credit hours of 1000-level courses (permission must be obtained from a University Student Advisor).
- If you need to make an appointment with the Department Chair or a Geography faculty advisor, please contact the department's office assistant at (204) 786-9278.

The most recent version of this checklist and information about our courses, degrees and activities can be found on our website at:

geography.uwinnipeg.ca

GEOGRAPHY DEGREE CHECKLIST: 3-YEAR B.Sc.

(minimum of 36 credit hours in GEOG/maximum of 48 credit hours in GEOG)

Consult the University Calendar for General Degree Requirements

INTRO GEOG REQUIREMENT	Compulsory 12 credit hours: <input type="checkbox"/> GEOG-1102(3) Intro Hum. Geo. I <input type="checkbox"/> GEOG-1103(3) Intro Hum. Geo. II <input type="checkbox"/> GEOG-1201(3) Intro Atm. Sci. <input type="checkbox"/> GEOG-1202(3) Intro Earth Sci.	___ ___ ___ ___
PHYSICAL GEOGRAPHY REQUIREMENT	12 credit hours from the following courses: <input type="checkbox"/> GEOG-2207(3) Climatology <input type="checkbox"/> GEOG-2210(3) Meteorology <input type="checkbox"/> GEOG-2213(3) Introductory Soil Science <input type="checkbox"/> GEOG-2214(3) Soil-Vegetation Systems <input type="checkbox"/> GEOG-2215(3) Mineralogy and Petrology <input type="checkbox"/> GEOG-2216(3) Physical Geology <input type="checkbox"/> GEOG-2218(3) Fluvial and Hillslope Processes <input type="checkbox"/> GEOG-2219(3) Glacial and Periglacial Processes <input type="checkbox"/> GEOG-3210(3) Hydrology	_____ _____ _____ _____ _____ _____ _____ _____
GEOMATICS REQUIREMENT	3 credit hours from this list: <input type="checkbox"/> GEOG-2304(3) Computer Mapping <input type="checkbox"/> GEOG-2309(3) Statistical Techniques in Environmental Analysis	_____ _____
PHYSICAL GEOGRAPHY AND GEOMATICS ELECTIVES	Minimum of 9/maximum of 21 additional credit hours from Physical or Geomatics Geography courses (i.e. where the 2nd digit of the course number is a 2 or 3; may include courses not used above): <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	___ ___ ___ ___ ___ ___ ___
OTHER GEOG	Total number of credit hours from Systematic Human or Regional Geography courses used as General Degree Electives (max. is 12)	_____
TOTAL GEOG CREDIT HOURS (MAXIMUM IS 48)		_____
EXTERNAL SCIENCE REQUIREMENT	Minimum of 18 credit hours of <u>science courses</u> from at least 2 other Science departments (Applied Computer Science, Biology, Chemistry, Mathematics, Physics, Statistics). <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	___ ___ ___ ___ ___ ___
COURSES THAT DO NOT QUALIFY FOR THE EXTERNAL SCIENCE REQUIREMENT	<ul style="list-style-type: none"> • ACS-1453(3) Intro to Comp. • ACS-1803(3) Intro Comp. Sys. • BIOL-1005(6) Concepts in Science • BIOL-1102(6) Biol. Hum. Conc. • BIOL-1103(6) Human Biology • BIOL-1106(3) Env. Biol. • CHEM 0100(3) Found. of Chem. • CHEM 1801(3)Headline Chem • CHEM-2801(3) Chem. & Soc. • ENV-1600(3) Hum. Env. Int. • ENV-2603(3) Env. Sust. • ENV-2604(3) Env. & Health • MATH-0001(6) Basic Math. • MATH-0005(3) Intro. Math. • MATH-2901(3) Hist. Calculus • MATH-2903(3) Early/Middle • MULT-1005(6) Concepts Sci. • PHYS-1005(6) Concepts in Science • PHYS-1501(6) Modern Tech. • PHYS-1701(6) Astronomy • PHYS-2705(6) Cosmology <p style="text-align: right;">When in doubt, ask the Dept. Chair</p>	

Updated May 1, 2012

GEOGRAPHY DEGREE CHECKLIST: 4-YEAR B.Sc.

(minimum of 57 credit hours in GEOG/maximum of 78 credit hours in GEOG)

Consult the University Calendar for General Degree Requirements

INTRO GEOG REQUIREMENT	Compulsory 12 credit hours: <input type="checkbox"/> GEOG-1102(3) Intro Hum. Geo. I <input type="checkbox"/> GEOG-1103(3) Intro Hum. Geo. II <input type="checkbox"/> GEOG-1201(3) Intro Atm. Sci. <input type="checkbox"/> GEOG-1202(3) Intro Earth Sci.	___ ___ ___ ___
PHYSICAL GEOGRAPHY REQUIREMENT	12 credit hours from the following courses: <input type="checkbox"/> GEOG-2207(3) Climatology <input type="checkbox"/> GEOG-2216(3) Phys. Geol. <input type="checkbox"/> GEOG-2210(3) Meteorology <input type="checkbox"/> GEOG-2218(3) Fluv. & Hill. <input type="checkbox"/> GEOG-2213(3) Intro Soil Sci. <input type="checkbox"/> GEOG-2219(3) Glac. & Peri. <input type="checkbox"/> GEOG-2214(3) Soil-Veg. Sys. <input type="checkbox"/> GEOG-3210(3) Hydrology <input type="checkbox"/> GEOG-2215(3) Mineralogy	___ ___ ___ ___ ___ ___ ___ ___ ___
GEOMATICS GEOGRAPHY REQUIREMENT	Compulsory 15 credit hours: <input type="checkbox"/> GEOG-2304(3) Comp. Map. <input type="checkbox"/> GEOG-2306 Intro. GIS <input type="checkbox"/> GEOG-2309(3) Stat. Tech. Env. (formerly GEOG-3302(3)) <input type="checkbox"/> GEOG-2316(3) Intro. Rem. Sens. <input type="checkbox"/> GEOG-333(3) Res. Method	___ ___ ___ ___ ___
PHYSICAL GEOGRAPHY AND GEOMATICS ELECTIVES	Minimum of 18/maximum of 39 additional credit hours from Physical or Geomatics Geography courses (i.e. where the 2nd digit of the course number is a 2 or 3; may include courses not used above): <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___
OTHER GEOG	Total number of credit hours from Systematic Human or Regional Geography courses used as General Degree Electives (maximum is 21)	_____
TOTAL GEOG CREDIT HOURS (MAXIMUM IS 78)		
UPPER LEVEL REQUIREMENT	From your courses above (but not in OTHER GEOG), an overall minimum of 12 credit hours must be at the 3000- or 4000-level, and at least 6 credit hours must be at the 4000-level: <input type="checkbox"/> Total number of 3000-level credits <input type="checkbox"/> Total number of 4000-level credits (minimum of 6)	_____ _____
EXTERNAL SCIENCE REQUIREMENT	Minimum of 24 credit hours of <u>science courses</u> from at least 2 other Science departments (Applied Computer Science, Biology, Chemistry, Mathematics, Physics, Statistics). <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	___ ___ ___ ___ ___ ___ ___ ___
COURSES THAT DO NOT QUALIFY FOR THE EXTERNAL SCIENCE REQUIREMENT	<ul style="list-style-type: none"> • ACS-1453(3) Intro to Comp. • ACS-1803(3) Intro Comp. Sys. • BIOL-1005(6) Concepts in Science • BIOL-1102(6) Biol. Hum. Conc. • BIOL-1103(6) Human Biology • BIOL-1106(3) Env. Biol. • CHEM 0100(3) Found. of Chem. • CHEM 1801(3)Headline Chem • CHEM-2801(3) Chem. & Soc. • ENV-1600(3) Hum. Env. Int. • ENV-2603(3) Env. Sust. • ENV-2604(3) Env. & Health • MATH-0001(6) Basic Math. • MATH-0005(3) Intro. Math. • MATH-2901(3) Hist. Calculus • MATH-2903(3) Early/Middle • MULT-1005(6) Concepts Sci. • PHYS-1005(6) Concepts in Science • PHYS-1501(6) Modern Tech. • PHYS-1701(6) Astronomy • PHYS-2705(6) Cosmology <p style="text-align: right;">When in doubt, ask the Dept. Chair</p>	

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