

ENVIRONMENTAL STUDIES, B.ENV.ST. MAJOR

Degree Requirements

Course	Title	Hours
Year 1		
ENVR 1000	Environmental Science 1 - Concepts	3
ENVR 2000	Environmental Science 2 - Issues	3
GEOG 1280	Introduction to Human Geography	3
GEOG 1290	Introduction to Physical Geography	3
NATV 1220	Indigenous Peoples in Canada, Part 1 ²	3
BIOL 1010	Biology: Biological Diversity and Interaction ³	3
STAT 1000	Basic Statistical Analysis 1	3
ECON 1010	Introduction to Microeconomic Principles	3
Hours		24
Year 2		
ENVR 2350	Technical Communication in the Environmental Sectors	3
ENVR 3160	Environmental Responsibilities and the Law ⁴	3
ECON/ABIZ 2390	Introduction to Environmental Economics	3
BIOL 2390	Introductory Ecology ³	3
Select 3 credit hours from List B ⁵		3
Hours		15
Years 3-4		
GEOG 3810	Quantitative Research Methods in Geography (TS) ⁶	3
ENVR 4110	Critical Thinking and the Environment	3
Select 33 credit hours in an approved Focus Area ⁷		33
Select enough elective credit to total 120 credit hours for the program.		42
Hours		81
Total Hours		120

¹ Students are permitted to substitute NATV 1220 with another 3 credit hours from the department (not a language) or approved alternative course. See the Riddell Faculty student advisor (riddell.faculty@umanitoba.ca) for assistance.

² Students with an interest in the Conservation and Biodiversity Focus Area (or other Focus Areas including advanced Biology courses) are advised to complete the combination of BIOL 1020 and BIOL 1030 as well as BIOL 2300 (or AGECE 2370) instead of BIOL 1010 and BIOL 2390.

³ The former ENVR 2650 may be used in lieu of ENVR 3160.

⁴ Students must complete 3 credit hours of course work containing significant international content. Students are referred to List B for a list of available courses. Students may substitute with another course as approved by the student advisor.

⁵ The former GEOG 3680 may be used in lieu of GEOG 3810.

⁶ Focus Area courses must include a minimum of 21 credit hours at the 3000- and/or 4000-level. Focus Area performance requirements are defined in Minimum Performance Requirements for Continuation and Graduation. (<https://catalog.umanitoba.ca/undergraduate-studies/environment-earth-resources/environment-geography/environmental-science-benvsc-major/#Minimum-Performance-Requirements>) Information on Focus Areas is available in the Focus Area Brochure (https://umanitoba.ca/environment-earth-resources/sites/environment-earth-resources/files/2021-03/focus_areas.pdf).

Advanced Entry into the degree programs is summarized in the Overview (<https://catalog.umanitoba.ca/undergraduate-studies/environment-earth-resources/environment-geography/>).

The courses required in this program will satisfy the University Mathematics Requirements (<https://catalog.umanitoba.ca/undergraduate-studies/general-academic-regulations/#Residence-Written-English>). (<https://catalog.umanitoba.ca/undergraduate-studies/environment-earth-resources/environment-geography/environmental-studies-benvst-major/undergraduate-studies/general-academic-regulations/#Residence-Written-English>)

The W course (<https://catalog.umanitoba.ca/undergraduate-studies/general-academic-regulations/#Residence-Written-English>) must be completed within the first 60 credit hours of coursework.

Major Cooperative Option ¹

Course	Title	Hours
Year 1		
ENVR 1000	Environmental Science 1 - Concepts	3
ENVR 2000	Environmental Science 2 - Issues	3
GEOG 1280	Introduction to Human Geography	3
GEOG 1290	Introduction to Physical Geography	3
NATV 1220	Indigenous Peoples in Canada, Part 1 ²	3
BIOL 1010	Biology: Biological Diversity and Interaction ³	3
STAT 1000	Basic Statistical Analysis 1	3
ECON 1010	Introduction to Microeconomic Principles	3
Hours		24
Year 2		
ENVR 2350	Technical Communication in the Environmental Sectors	3
ENVR 3160	Environmental Responsibilities and the Law ⁴	3
ECON/ABIZ 2390	Introduction to Environmental Economics	3
BIOL 2390	Introductory Ecology ³	3
Select 3 credit hours from List B ⁵		3
ENVR 2900	Professional Development in the Environmental Sectors 1	1.5
ENVR 3980	Coop Work Term 1	0
ENVR 3910	Coop Work Term Report 1	1.5
Hours		18
Years 3-4		
GEOG 3810	Quantitative Research Methods in Geography (TS) ⁶	3
ENVR 4110	Critical Thinking and the Environment	3
Select 33 credit hours in an approved Focus Area ⁷		33

ENVR 3900	Professional Development in the Environmental Sectors 2	1.5
ENVR 3990	Coop Work Term 2	0
ENVR 3920	Coop Work Term Report 2	1.5
ENVR 4980	Work Term 3 (optional)	
ENVR 4910	Coop Work Term Report 3 (optional)	
Select enough elective credit to total 120 credit hours for the program		36
Hours		78
Total Hours		120

- ¹ The W course (<https://catalog.umanitoba.ca/undergraduate-studies/general-academic-regulations/#Residence-Written-English>) must be completed within the first 60 credit hours of coursework.
- ² Students are permitted to substitute NATV 1220 with another 3 credit hours from the department (not a language) or approved alternative course. See the Riddell Faculty student advisor (riddell.faculty@umanitoba.ca) for assistance.
- ³ Students with an interest in the Conservation and Biodiversity Focus Area (or other Focus Areas including advanced Biology courses) are advised to complete the combination of BIOL 1020 and BIOL 1030 as well as BIOL 2300 (or AGECE 2370) instead of BIOL 1010 and BIOL 2390.
- ⁴ The former ENVR 2650 may be used in lieu of ENVR 3160.
- ⁵ Students must complete 3 credit hours of course work containing significant international content. Students are referred to List B for a list of available courses. Students may substitute with another course as approved by the student advisor.
- ⁶ The former GEOG 3680 may be used in lieu of GEOG 3810.
- ⁷ Focus Area courses must include a minimum of 21 credit hours at the 3000- and/or 4000-level. Focus Area performance requirements are defined in Minimum Performance Requirements for Continuation and Graduation (<https://catalog.umanitoba.ca/undergraduate-studies/environment-earth-resources/environment-geography/environmental-science-benvsc-major/#Minimum-Performance-Requirements>). Information on Focus Areas is available in the Focus Area Brochure (https://umanitoba.ca/environment-earth-resources/sites/environment-earth-resources/files/2021-03/focus_areas.pdf).

Advanced Entry into the degree programs is summarized in the Overview (<https://catalog.umanitoba.ca/undergraduate-studies/environment-earth-resources/environment-geography/environmental-science-benvsc-major/#Advanced-Entry-Major>).

The courses required in this program will satisfy the University Mathematics Requirements (<https://catalog.umanitoba.ca/undergraduate-studies/general-academic-regulations/#Residence-Written-English>).

Important: The Honours and Major programs need not be completed in the manner prescribed in the chart above. The chart indicates one possible arrangement of the required courses and is meant to be a guide around which students can plan their program.

Notes:

- To fulfil prerequisite requirements, a grade of 'C' must be achieved, unless otherwise stated, in any course stipulated as a prerequisite to a further course.

- Students should review the current course topics available through ENVR 2010, ENVR 2020, ENVR 3010, ENVR 3020, ENVR 4000, ENVR 4010, and ENVR 4020 as well as those offered through GEOG 3740, GEOG 3750, GEOG 3760, GEOG 3770 and GEOG 4670. Also, all courses are not offered every year or every term. The course schedule for the current academic term is available from the Class Schedule in Aurora (https://aurora.umanitoba.ca/banprod/bwckschd.p_disp_dyn_sched/).
- Students registering in certain courses may be required to participate in field trips or field components and pay a portion of the associated expenses. For details, contact the Department of Environment and Geography general office (<https://umanitoba.ca/environment-earth-resources/environment-and-geography/#about-us>).
- Equivalent courses offered through Université de Saint-Boniface may be used in lieu of the specified course identified in the entrance requirements chart.

List B

Courses containing significant international content¹:

Course	Title	Hours
ABIZ 1010	Economics of World Food Issues and Policies	3
ECON 2550	Political Economy 2: Economic Growth and Fluctuations in a Global Economic Environment	3
ECON 3670	International Trade	3
POLS 2040	Course No Longer Offered	
POLS 3220	Course No Longer Offered	
POLS 3250	International Political Economy	3
GEOG 4260	Sacred Lands	3

- ¹ Or courses approved by a Riddell Faculty student advisor (riddell.faculty@umanitoba.ca).