EARTH SCIENCES, B.SC. GENERAL

Degree Regulations in B.Sc. in Earth Sciences (General)

Degree Program Structure

- A Geological Sciences component consisting of a minimum of 30 credit hours.
- A Minor of 18 credit hours (minimum) in a different department or an interdisciplinary program. e.g. in the Clayton H. Riddell Faculty of Environment, Earth, and Resources, or the Faculty of Arts, or the Faculty of Science. The Minor requirements are described in the Faculty Regulations. (https://catalog.umanitoba.ca/undergraduate-studies/environment-earth-resources/#facultyacademicregulationstext) Contact the department and/or a Riddell Faculty student advisor in the Faculty Dean's Office for further information about eligible Minors.
- Students will normally complete the Faculty of Arts courses requirement which include 6 credit hours from the Faculty of Arts. Students who have not met this requirement in their first year must meet the requirement prior to graduation.

Entrance to the General

To be admitted to the General program, a student must have completed at least 24 credit hours with a minimum Degree Grade Point Average of 2.00. In addition, a student must have completed GEOL 1340 with the grade of 'C+'. Refer to the Bachelor of Science in Earth Sciences (General) (https://catalog.umanitoba.ca/undergraduate-studies/environment-earth-resources/earth-sciences/earth-sciences-bsc-general/) for degree requirements.

Continuation in the General

A student's academic performance is assessed first with his/her application for admission to the Riddell Faculty and then following each term in which the student is registered. To be in good standing and permitted to continue in the degree program, a student must maintain a minimum Degree Grade Point Average of 2.00 as stipulated in the Entrance and Continuation Requirements Table. Students who do not meet the minimum performance requirement will be placed on academic warning, probation or academic suspension as outlined in the Faculty Regulations; (https://catalog.umanitoba.ca/undergraduate-studies/general-academic-regulations/) Academic Warning, Probation, Academic Suspension and Special Students (Academic Standing) in this Chapter.

Failed courses: A student is required to repeat those failed courses that are specified as required courses for the program. Students are subject to the University of Manitoba regulations (see General Academic Regulations, Academic Evaluations, Repeating a Course) (https://catalog.umanitoba.ca/undergraduate-studies/general-academic-regulations/) and the Riddell Faculty degree regulations regarding eligibility to repeat a course. Students who need to repeat a course more than once to fulfil degree requirements must contact a Riddell Faculty student advisor (https://umanitoba.ca/faculties/environment/undergraduate/advice/) for approval prior to registration. Students cannot exceed 30 credit hours of failed courses (F's) as calculated on courses applicable to the degree program (DGPA).

Graduation in the General

To qualify for the degree, students must complete 90 credit hours, inclusive of Geological Sciences courses, a minor in a second department or program, and any University 1 requirements. Minimum performance requirements include passing grades ("D" or better) in each course, a minimum degree grade point average of 2.00 in Geological Sciences courses, and an overall degree grade point average of 2.00 on the 90 credit hours which constitute the degree. Note: Where a Geological Sciences course listed in the calendar has required prerequisites, a student must hold a minimum grade of "C+" or "C" in each prerequisite course as stipulated in the course description.

Residence Requirement for General Students

Students must complete a total of 48 credit hours at the University of Manitoba, or they must complete their final 30 credit hours at the University of Manitoba in order to satisfy the residency requirement. The courses used to satisfy the requirement must be acceptable for credit in the Clayton H. Riddell Faculty of Environment, Earth, and Resources.

Recognition of Academic Merit

Degree with Distinction

To obtain a degree with distinction, a student must achieve a minimum 3.50 Degree Grade Point Average on all courses constituting the General degree. The term 'Degree with Distinction' will appear both on the parchment and on the student's transcript.

Earth Sciences Advanced Entry Entrance and Continuation Requirements

Degree Program	Minimum Degree GPA Entrance	Minimum Degree GPA Continuation
Major (Geology, Environmental Geoscience)	2.50[1]	2.50[1]
Major (Geophysics)	2.50[1]	2.50[1]
Honours (Geology, Environmental Geoscience)	3.00[1]	3.00[1]
Honours (Geophysics)	2.80[1]	2.80[1]
General (Earth Sciences)	2.00[1]	2.00[1]

[1] In addition to the minimum degree grade point average noted in this chart, specific courses (with minimum grades) are required for entry and these are noted in the program chart for each program.

Earth Sciences Graduation Requirements (p.)

Degree Program	Minimum Degree Grade Point Average
Major (Geology, Environmental Geoscience) (120)	2.50
Major (Geophysics) (120)	2.50
Honours (Geology, Environmental Geoscience) (120)	3.00
Honours (Geophysics) (120)	2.80
General (Earth Sciences) (90)	2.00

Degree Requirements

Course	Title	Hours
Year 1		
GEOL 1340	The Dynamic Earth (C+)	3
One of the following:		3
GEOL 1400	Time-Trekker's Travelog: Our Evolving Earth [1]	
GEOL 1410	Natural Disasters and Global Change	
GEOL 1420	Exploring the Planets	
6 credit hours from the Faculty of Arts		6
	Hours	**12**
Years 2-3		
GEOL 2500	Introduction to Mineralogy	3
21 credit hours in Geological Sciences courses numbered at the 2000-level or above		21
Enough elective credit to total 90 credit hours for the program		54
	Hours	**78**
	Total Hours	**90**

[1] GEOL 1400 is highly recommended to be taken in Year 1, but GEOL 1410 and GEOL 1420 may be substituted. If this requirement is not fulfilled in Year 1, it must be completed by the end of Year 2.

The M and W course requirements (https://catalog.umanitoba.ca/undergraduate-studies/general-academic-regulations/#Residence-Written-English) must be met within the first 60 credit hours of the program.

Notes:

- To fulfil prerequisite requirements, a grade of 'C' must be achieved in any course stipulated as prerequisite to a further course in Geological Sciences.
- All courses are not offered every year. 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 pay a portion of the costs associated with field trips. For details, contact the Department general office.

Equivalent courses offered through Université de Saint-Boniface may be used in lieu of the specified courses identified in the degree program chart.