YukonU Program Planning Guide

School of Science

Diploma Earth Sciences (with Bridging Program) - 2022

Instructions for Use

This planning guide is to assist you in selecting courses each term. Read carefully, as some courses are only offered in one term/year, and some are offered in multiple terms/years.

***The recommended sequencing plan and note section in this guide will be beneficial in helping you select courses.**

Refer to your program page on the main website under programs/courses for a more thorough description of each course.

A glossary (description) of common words and phrases used in this guide, can be found on the last page.

Graduation Requirements and Yukon First Nations Core Competency

Successful completion of the Earth Sciences diploma requires the completion of 63 credits of program coursework with a minimum cumulative GPA of 2.0. Eligible courses for this credit total cannot include required upgrading courses incorporated into the Bridging Program. The duration of the Earth Sciences diploma with entry under the Bridging Program will vary depending on the extent of upgrading required; the maximum duration for a student studying full-time with the minimum prerequisites is three years.

Students who decide to leave the program prior to full completion may be awarded a Science Certificate provided they have completed 30 credits of university-level coursework and fulfilled all certificate requirements as outlined on the Science certificate website.

Yukon First Nations Core Competency

Yukon University recognizes that a greater understanding and awareness of Yukon First Nations history, culture and journey towards self-determination will help to build positive relationships among all Yukon citizens. As a result, students are required to achieve core competency in knowledge of Yukon First Nations.

Students in the Earth Sciences diploma program must complete the Yukon First Nation 101 online workshop to fulfill their core competency requirement. For details, visit Yukon First Nations Core Competency on the university website.

First Year Courses[1]

Course Requirements	Credits	Term	Done
CHEM 050 + 050L	3*	Fall	
GEOG 101 + 101L	3	Fall	
MATH 050	3*	Fall	
PHYS 050 + 050L	3*	Fall	
GEOG 102 + 102L	3	Winter	
GEOL 106 + 106L	3	Winter	
MATH 060	3*	Winter	
PHYS 060 + 060L	3*	Winter	
Total Credits	24		

Second Year Courses[1]

Course Requirements	Credits	Term	Done
CHEM 110 + 110L	3	Fall	
GEOL 105 + 105L	3	Fall	
ENGL 100	3	Fall	
MATH 100	3	Fall	
CHEM 111 + 111L	3	Winter	
COMM 204	3	Winter	
GEOG 250 + 250L	3	Winter	
MATH 101	3	Winter	
GEOL 107[2]	3	Winter	
Total Credits	27		

Third Year Courses[1]

Course Requirements	Credits	Term	Done
GEOL 200 + 200L	3	Fall	
GEOL 206 + 206L	3	Fall	
GEOL 208 + 208L	3	Fall	
Science Elective[3]	3	Fall	
GEOL 211 + 211L	3	Winter	
MATH 200	3	Winter	
Geoscience Elective[4]	3	Winter	
Science Elective[3]	3	Winter	
GEOL 216[3]	3	Winter	
Total Credits	27		

Notes

***** Courses at the 050 and 060 level are important preparation for 100 level courses, but do not count towards the 63-credit total required for the Earth Sciences diploma.

1. Courses can be taken in any order so long as necessary prerequisites are met for each course. Course prerequisites can be found in the course outlines posted for each course on the Earth Sciences website. Note that an applicant **may not** be required to take all the upgrading (050/060-level) courses in Year 1 depending on his/her previous academic background. It is important that Bridging Program applicants contact the program coordinator to discuss the best selection of courses for their individual pathway.

2. Field courses: GEOL 107 and GEOL 216 are taught as block field courses in August and late April/early May, respectively. GEOL 107 is an 8-day course taught in the Whitehorse area; GEOL 216 is a 14-day course taught at a series of remote sites in southwestern Yukon.

3. Science electives: Electives must be selected from the following list of approved courses: BIOL 101, BIOL 102, CPSC 126, GEOG 101, GEOG 102, GEOL 112, PHYS 101, PHYS 102, and SOIL 210. Students interested in pursuing a Professional Geoscientist (P.Geo.) designation upon completion of their B.Sc. should contact the program coordinator for more information on planning elective courses to best satisfy educational requirements for the designation. Students pursuing transfer to VIU's Earth Science department for B.Sc. completion should take GEOG 101 and GEOG 102 as their first-year science electives.

4. Geoscience elective: Students must select either GEOL 301 (Hydrogeology) or GEOL 213 (Geophysics) as their second-year geoscience elective course. Note than selection of GEOL 213 requires completion of PHYS 101 and PHYS 102. Whereas PHYS 101 must be completed prior to GEOL 213 as a prerequisite, PHYS 102 may be taken in the same semester as GEOL 213 as a co-requisite.

Recommended Sequencing Plan

Shown below is a recommended sequence of courses for completion of the Earth Sciences diploma. Note that this sequence is for an applicant entering the **Bridging Program** with the minimum entrance prerequisites. For any other cases, it is important that the applicant contact the program coordinator to develop the best possible plan for program completion. For students with the minimum prerequisites: if you follow the plan below, you should be able to graduate in three years provided you complete 4-5 courses per term.

Year 1 Fall	**Year 2 Fall**	**Year 3 Fall**
CHEM 050 + 050L	CHEM 110 + 110L	GEOL 200 + 200L
GEOG 101 + 101L	GEOL 105 + 105L	GEOL 206 + 206L
MATH 050	ENGL 100	GEOL 208 + 208L
PHYS 050 + 050L	MATH 100	PHYS 101 + 101L
Year 1 Winter	**Year 2 Winter**	**Year 3 Winter**
GEOG 102 + 102L	CHEM 111 + 111L	GEOL 211 + 211L
GEOL 106 + 106L	COMM 204	GEOL 213 + 213L (or 301 + 301L)
MATH 060	GEOG 250 + 250L	MATH 105
PHYS 060 + 060L	MATH 101	PHYS 102 + 102L
*CHEM 060 + 060L recommended but not required	GEOL 107 (August)	GEOL 216 (late April – May)

Program Advising

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Student Responsibility

You are responsible for the completeness and accuracy of your registration and for determining the requirements of your program. Always read course descriptions before you register to determine if you have the necessary prerequisites and pay attention to notes on mutually exclusive and cross-listed courses (pairs of courses in which credit will be awarded for only one).

Common Words and Phrases

- **Credits** = A **Credit** is the unit of weight for university courses, and courses range from 1 to 15 credits.
- A **Credit** is the unit of weight for university courses and range from 1 to 15 credits.
- **Grade Point Average (GPA)** is a representation of academic achievement produced by dividing the total number of grade points earned over a period, usually a semester, divided by the number of courses or credits taken. See page 18 of the Academic Regulations for a fuller explanation.
- **Highly Recommended Course** is a course that would be beneficial to your learning and should be take either before or during your studies.
- **Prerequisite** is a course that you must complete with a satisfactory grade before enrolling in a subsequent course.
- A **Semester** is a portion of an academic year, during which an educational institution holds classes. Many people use the word 'term' interchangeably. We have three semesters per year. (Fall, Winter & Spring/Summer – see below)
  *Note: not all programs use three (3) terms as part of their study schedule – most programs at YukonU use only the Fall & Winter term.
- **Recommended Sequencing Plan** shows a program's courses arranged according to year and semester (Fall, Winter, Spring) and are recommended to be taken in this order to complete a certificate, diploma or degree.

- **Fields of Study**
  - **Humanities** is the study of unique products of human culture and expression and include history, literature, language, philosophy, the visual arts, theatre, dance, and music**.**
  - **Social Science,** sometimes called the behavioural sciences, is the branch of academic study that looks at human activity in societies and seeks to understand the causes and consequences of social phenomena. Many social sciences have a social justice agenda in that they also seek to find and offer solutions to social problems. Social science disciplines include anthropology, criminology, economics, political science, sociology, psychology, and women and gender studies.
  - **Science** deal with the study of natural phenomena through observation, experimentation and use of scientific methods and include study in fields such as astronomy, biology, chemistry, mathematics environmental sciences and physics.
- **Semester Starts and Ends**
  - Fall = Either Late August or early September through December
  - Winter = Early January through April (Sometimes into early May)
  - Spring/Summer = May through August

Note: **Your program area determines terms/semester exact dates.**

Program Planning Guide Revisions		
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