YukonU Program Planning Guide

School of Science

Certificate of Science 2026/27

Instructions for Use

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

*** 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

Students must complete a total of 30 credits (10 academic courses) across the areas specified.
In addition to passing all the required courses, the student must:

- complete 50% of the course work at Yukon College
- maintain a 2.00 cumulative GPA (C average) across all courses
- complete the Yukon First Nations Core Competency (below)

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, you will be required to achieve core competency in knowledge of Yukon First Nations. For details, visit Yukon First Nations Core Competency.

Students in the Science Certificate complete this competency by taking an elective that meets the requirement, such as HIST 140, ANTH 140, or by taking the non-credit Yukon First Nations 101 course.

Sciences[1] – minimum15 credits (5 courses)

Course Requirements	Credit	Term	Done
Science Credits			

Electives[2] – maximum 6 credits[3]

Course Requirements	Credit	Term	Done
Elective Credits			

English – minimum 3 credits

Course Requirements	Credit	Term	Done
ENGL 100	3	Any	
ENGL 101	3	Any	
COMM 204	3	Winter	
Writing Credits			

Mathematics[4] –minimum 6 credits

Course Requirements	Credit	Term	Done
MATH 100	3	Fall	
MATH 101	3	Winter	
MATH 200	3	Winter	
MATH 120	3	Winter	
MATH Credits			
Total Credits	**30**		

Notes

1. Science courses are **offered by the School of Science** and include courses with the subject code BIOL, CHEM, CPSC, ENVS, GEOG*, GEOL, NSCI, PHYS, KINE, and RRMT. These must be at the 100 level or higher. A total of 30 credits are required for the certificate with at least 15 of these from science courses. (**GEOG courses offered by the School of Social Sciences and Humanities do NOT count as Science courses*)

2. Electives: any 100 or 200-level course, typically chosen from courses offered by the School of Science, the School of Social Sciences & Humanities, the School of Indigenous Governance, or the School of Business and Leadership (not Office Admin courses). Contact a program advisor for more information.

3. The number of elective credits required will depend on the total credits taken in other categories. If a total of 30 credits has already been met, no elective is required.

4. MATH 100 and 101 are recommended for the 6 credits of math in order to ensure maximum transfer credit. Most students will not be able to take MATH 200 if completing the certificate in a single year due to the prerequisites. MATH 120 may serve as good preparation **before** MATH 100 or as a prerequisite for MATH 200 instead of taking MATH 100 but students should be aware that it typically transfers as an unassigned 1st year math at most institutions. **MATH 120 may not be taken as the second math course after MATH 100.**

Sample Sequencing Plan

Shown below are some sample sequences of courses for your certificate. If you follow one of these plans, you should be able to graduate in one year, provided you complete five course per term. Other sequences can be chosen to meet your specific needs. This is just one example of how you could complete the diploma requirements; ***other sequences will work as well***.

Life and Environmental Sciences	
Fall	**Winter**
MATH 100	MATH 101
BIOL 101 & 101L	BIOL 102 & 102L
CHEM 110 & 110L	CHEM 111 & 111L
ENGL 100	ENGL 101 or COMM 204 (or other elective)
PHYS 101 & 101L (or science elective such as KINE 101)	PHYS 102 & 102L (or science elective such as KINE 102)
Physical Sciences	
Fall	**Winter**
MATH 100	MATH 101
CHEM 110 & 110L	CHEM 111 & 111L
PHYS 101 & 101L	PHYS 102 & 102L
ENGL 100	ENGL 101 or COMM 204 (or other elective)
CPSC 128 or Science Elective	CPSC 128, 129, or science elective
Geological Sciences *Students may also consider the Earth Sciences diploma program, see:* *https://www.yukonu.ca/programs/earth-sciences*	
Fall	**Winter**
GEOG 101 & 101L (or GEOL 105 & 105L)	GEOG 102 & 102L (or GEOL 106 & 106L)
CHEM 110 & 110L	CHEM 111 & 111L
PHYS 101 & 101L	PHYS 102 & 102L
MATH 100	MATH 101 or MATH 200
ENGL 100 (or CPSC 128)	CPSC 128, 129 or ENGL 100, 101 or COMM 204

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).

Program Advising

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Common Words and Phrases

- **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 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 an example of how a selection of courses could be arranged to allow a student 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** deals with the study of natural phenomena through observation, experimentation and use of scientific methods and include study in fields such as astronomy, biology, chemistry, computer science, environmental sciences, geology, mathematics, 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: **Terms/Semester exact dates are determined by your program.**

Program Planning Guide Revisions

Date Created	Date Revised	Section Revised
March 2020	Aug 2022	General small edits
	May 2024	Added CPSC 128 and 129
	May 2026	Expanded MATH options to include MATH 120, reformatted English table, updated footnotes, minor edits