

# YukonU Program Planning Guide

School of Science



## Certificate Science - 2023

### Instructions for Use

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

Students must complete a total of 30 credits (10 academic courses) across the areas specified.

In addition to passing all the required courses, a student must:

- complete 50% of the course work at Yukon University
- 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 <https://www.yukonu.ca/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 or ANTH 140, or by taking the non-credit Yukon First Nations 101 online workshop.

## Sciences<sup>1</sup> – minimum 15 credits (5 courses)

Course Requirements	Credit	Term	Done
e.g., 5 of UT courses in GEOG/BIOL/CHEM/GEOG/GEOL/PHYS./ENVS/CPSC			
<b>Science Credits</b>			

## Electives<sup>2</sup> – maximum 6 credits<sup>3</sup>

Course Requirements	Credit	Term	Done
HIST 140 or <i>YFN 101 workshop</i>			
<b>Elective Credits</b>			

## English – minimum 3 credits

Course Requirements	Credit	Term	Done
ENGL 100	3	Any	
ENGL 101 and/or COMM 204	3	Any	
<b>Writing Credits</b>			

## Mathematics – minimum 6 credits

Course Requirements	Credit	Term	Done
MATH 100	3	Fall	
MATH 101 and/or 200	3	Winter	
<b>MATH Credits</b>			

## Notes

1. Science courses are offered by the School of Science and include courses with the subject code ASTR, BIOL, CHEM, CPSC, ENVS, GEOG, GEOL, NSCI, PHYS 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.
2. Electives: any 100 or 200-level course, typically chosen from courses offered by the School of Science or the School of Liberal Arts, School of Business and Leadership. 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.

## Recommended 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.*

### Biology or Environmental Sciences

Fall	Winter
MATH 100	MATH 101
BIOL 101 & 101L	BIOL 102 & 102L
CHEM 110 & 110L	CHEM 111 & 111L
ENGL 100	Elective or ENGL 101 or COMM 204 or MATH 105/200
Science (PHYS 101 & 101L recommended)	Science (PHYS 102 & 102L recommended)

### Physical or Computer Sciences

Fall	Winter
MATH 100	MATH 101
CHEM 110 & 110L	CHEM 111 & 111L
PHYS 101 & 101L	PHYS 102 & 102L
ENGL 100	Elective or ENGL 101 or COMM 204
Science or Elective	CPSC 128 or science elective

### Geological Sciences

students may also consider the Earth Science diploma program, see:  
<https://www.yukonu.ca/programs/earth-sciences>

Fall	Winter
GEOL 105 & 105L or GEOG 101 & GEOG 101L	GEOG 106 & GEOG 106L or GEOG 102 & GEOG 102L
CHEM 110 & 110L	CHEM 111 & 111L
PHYS 101 & 101L	PHYS 102 & 102L
MATH 100	MATH 101
ENGL 100	CPSC 128 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

**Tara Stehelin**, Chair, School of Science  
 Phone: 867-456-6957  
 Email: [tstehelin@yukonu.ca](mailto:tstehelin@yukonu.ca)  
 School of Science general number:  
 867-668-8887

## Common Words and Phrases

- 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

Date Created	Date Revised	Section Revised
March 2020		
	Aug 2022	General small edits
	May 2023	