

# YukonU Program Planning Guide

School of Science



Certificate Science - 2020

## 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 across the areas specified.

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

- complete 50% of the course work at Yukon University
- maintain a 2.00 cumulative GPA (C average) across all courses

### 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 may 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<sup>2</sup>

| Course Requirements    | Credit | Term | Done |
|------------------------|--------|------|------|
|                        |        |      |      |
|                        |        |      |      |
|                        |        |      |      |
|                        |        |      |      |
|                        |        |      |      |
|                        |        |      |      |
|                        |        |      |      |
|                        |        |      |      |
| <b>Science Credits</b> |        |      |      |

## Electives<sup>3</sup> – maximum 6 credits<sup>4</sup>

| Course Requirements     | Credit | Term | Done |
|-------------------------|--------|------|------|
|                         |        |      |      |
|                         |        |      |      |
| <b>Elective Credits</b> |        |      |      |

## Writing – minimum 3 credits

| Course Requirements    | Credit | Term   | Done |
|------------------------|--------|--------|------|
| ENGL 100               | 3      | Any    |      |
| ENGL 101               | 3      | Any    |      |
| COMM 204 (or COMM 193) | 3      | Winter |      |
| <b>Writing Credits</b> |        |        |      |

## Mathematics – minimum 6 credits

| Course Requirements | Credit | Term   | Done |
|---------------------|--------|--------|------|
| MATH 100            | 3      | Fall   |      |
| MATH 101            | 3      | Winter |      |
| MATH 105            | 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.
2. A total of 30 credits are required for the certificate. This will require between 15 to 21 credits of science courses. The minimum permitted is 15 credits of science. The exact number will depend on the number of credits taken in the other categories.
3. Electives: any 100 or 200-level course, typically chosen from courses offered by the School of Science or the School of Liberal Arts. Courses from the School of Business and Leadership may also be acceptable. Contact a program advisor for more information.
4. The number of elective credits required will depend on the total credits taken in Science, Math, and Writing. 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.*

### Life and 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 |
| Science (PHYS 101 & 101L recommended) | Science (PHYS 102 & 102L recommended)        |

### Physical 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 | Science                          |

### Geological Sciences

| Fall            | Winter               |
|-----------------|----------------------|
| GEOL 105 & 105L | GEOL 106 & 106L      |
| 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

School of Science  
867-668-8887  
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## 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.**