



Science Certificate (SCIEC)

Program Outline

PROGRAM IMPLEMENTATION DATE: Pre 1998
OUTLINE EFFECTIVE DATE: September 2024
PROGRAM OUTLINE REVIEW DATE: April 2029

GENERAL PROGRAM DESCRIPTION:

The Science certificate recognizes one year of study upon the successful completion of 30 credits of coursework.

The certificate provides breadth of knowledge in specific academic University disciplines to explore the sciences. This certificate is sufficiently flexible to enable students to complete required prerequisites for further study into the college's Associate of Science Degree or for to one of our partner institutions.

Program Information: This program is in the Department of University Arts and Science.

Delivery: Courses in this program are delivered face to face and online.

COTR Credits: 30

Hours for this program: 450 lecture hours and a minimum of 90 science lab hours and 15 math lab hours

Typical Structure of Instructional Hours:

Instructional Activity	Duration
Lecture Hours	450
Seminars / Tutorials	
Laboratory / Studio Hours	105
Practicum / Field Experience Hours	
Other Contact Hours	
Total	555

Practicum Hours (if applicable):

Type of Practicum	Duration
On-the-job Experience	
Formal Work Experience	
Other	
Total	

Program Outline Author or Contact:

Dr. Oludare Sokoya

Signature

APPROVAL SIGNATURES:

Department Head
Erin Aasland Hall
E-mail: aaslandhall@cotr.bc.ca

Dean of Business and University Arts & Science
Stephanie Wells
E-mail: SWells2@cotr.bc.ca

Department Head Signature

Dean Signature

EDCO

Valid from: September 2024 – April 2029

Education Council Approval Date

PROGRAM PREREQUISITES AND TRANSFER CREDIT:

Admission Requirements:

- Secondary school graduation (or equivalent)
- Minimum 65% in either English Studies 12, English First Peoples 12, ENGL 090, or equivalent (refer to Course Equivalency information on the College Website).
- Either Pre-Calculus 11, Pre-Calculus 12, MATH 080 or MATH-090 with a minimum grade of 65%; both Foundations of Math 11 and Foundations of Math 12 with a minimum grade of 65%; or Calculus 12; or equivalent.

Recommended

- Basic computer skills
- Check individual courses for pre-requisites. It is strongly recommended that students work with an Education advisor to select courses that meet their education and career pathway.

Flexible Assessment (FA):

Credit can be awarded for one or more courses in this program through FA Yes No

Learners may request formal recognition for flexible assessment at the College of the Rockies through one or more of the following processes: External Evaluation, Worksite Assessment, Demonstration, Standardized Test, Self-assessment, Interview, Products/Portfolio, Challenge Exam. Contact an Education Advisor for more information.

Transfer Credit: For transfer information within British Columbia, Alberta and other institutions, please visit <http://www.cotr.bc.ca/Transfer>

It is the responsibility of the student to ensure they meet the requirements of their desired institution and should contact an academic advisor at that institution.

Science Certificate Requirements:

- 3 Credits of 100 level English or Communications
- 6 Credits of Math, excluding MATH 105, MATH 107 and MATH 111
- 6 Credits of Lab Science
- 3 Credits in Arts or Humanities or Social Science
- 12 Credits of Math and Science

Choose 12 credits from the following for Math and Science subjects:
Astronomy Biology Chemistry Computer Science Engineering Environmental Science Environmental Studies Geography Geology Mathematics excluding MATH 105, MATH 107 and MATH 111 Physics Statistics

COURSE GRADE

Course grades are assigned as follows:

Grade	A+	A	A-	B+	B	B-	C+	C	C-	D	F
Mark (Percent)	≥ 90	89-85	84-80	79-76	75-72	71-68	67-64	63-60	59-55	54-50	< 50

NOTE: To earn a Science certificate, students must have a minimum grade average of C- (55%) for all courses counting towards the Science certificate.

A grade of "D" grants credit but may not be sufficient as a prerequisite for sequential courses.

ACADEMIC POLICIES:

See www.cotr.bc.ca/policies for general college policies related to course activities, including grade appeals, cheating and plagiarism.

COURSE DESCRIPTIONS can be found on the COTR SharePoint site:

<http://www.cotr.bc.ca/CourseOutlines/>

© College of the Rockies