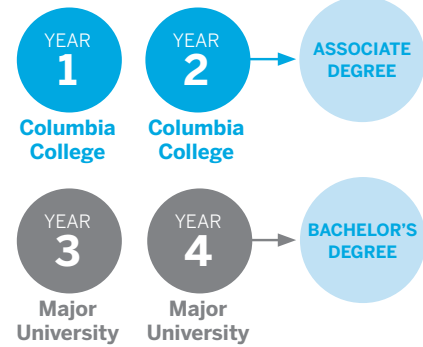ASSOCIATE OF SCIENCE DEGREE

Mathematics Concentration

An Associate Degree is equivalent to the first two years of a four-year university degree. Universities in British Columbia will guarantee 60 transfer credits to holders of an Associate Degree. Students must meet the grade point average (GPA) established by each university for admission.

YEAR 1 — Columbia College
YEAR 2 — Columbia College → **ASSOCIATE DEGREE**

YEAR 3 — Major University
YEAR 4 — Major University → **BACHELOR'S DEGREE**

Program Overview

- The Associate of Science Degree in Mathematics provides students with knowledge of the study of quantity, structure, space, and change. It also prepares students to pursue a Bachelor's degree in Mathematics or a related field.
- Mathematics is a diverse discipline that deals with data, measurement, inference, deduction, observation, and proof.
- Students will acquire knowledge of revealing and explaining patterns from analyzing fluctuations of the stock market to impulses of the human nervous system.

Skills Gained

Numeracy and analytical skills that will transfer to almost any career or educational path.

Logical reasoning and abstract thinking skills that will assist in analyzing 'real-world' issues.

Knowledge of a broad range of mathematical fields and methods.

Ability to construct and evaluate arguments with scientific and quantitative components.

Accelerated Associate Degree: Tri-mester system

Students benefit from the tri-mester system with intakes in January, May, and September. This means students can take more courses over a 12-month period and can complete an Associate Degree in 16 months or two years.

School System	Semester 1					Semester 2					Semester 3					Semester 4			
	Sept	Oct	Nov	Dec	3-4 week break	Jan	Feb	Mar	Apr	3-4 week break	May	Jun	Jul	Aug	3-4 week break	Sept	Oct	Nov	Dec
Trimester Fast Track: 16 months	4 COURSES					4 COURSES					4 COURSES					4 COURSES			

Students take a minimum of 3 and a maximum of 5 courses per semester.
Students who do not wish to accelerate can complete an Associate Degree in 2 years.
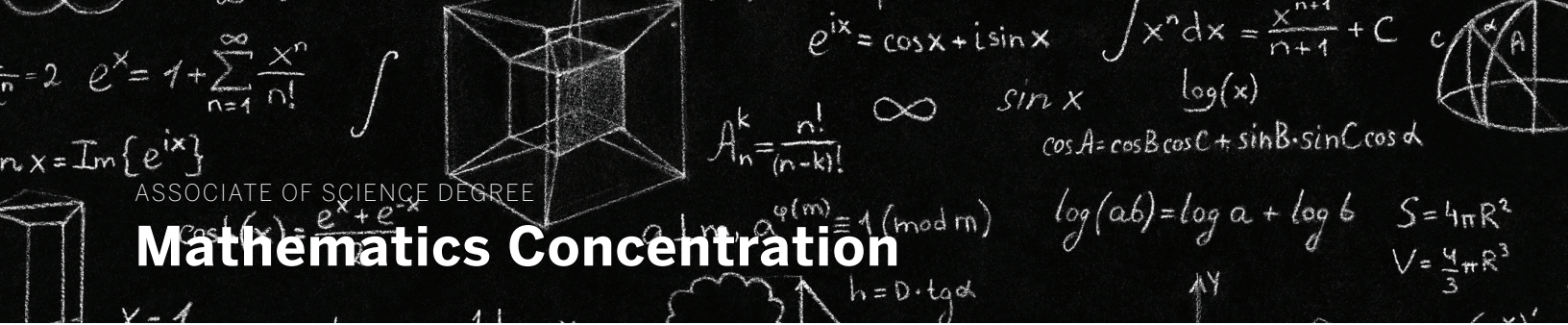
ASSOCIATE OF SCIENCE DEGREE

Mathematics Concentration

Program Curriculum Framework

Must include: All requirements of an Associate of Science Degree

20 courses (minimum 60 credits) of 1st & 2nd year courses, to include at least 6 courses (minimum 18 credits) at the 2nd year level, taken in two or more subject areas.

1st year courses
MATH 113 Calculus I
MATH 114 Calculus II
MATH 120 Discrete Mathematics
CSCI 120 Introduction to Computer Science and Programming I
CSCI 125 Introduction to Computer Science and Programming II

Three 2nd year Mathematics courses
MATH 213 Calculus III
MATH 225 Analysis I
MATH 252 Linear Algebra and Differential Equations

Career Possibilities

DATA AND INFORMATION PROCESSING	COMPUTER SERVICE AND SOFTWARE	FINANCE & BANKING	BUSINESS
Data Miner	Software Developer	Finance Associate	Market Research Analyst
Data Analyst	Information Systems Analyst	Financial Analyst	Actuary
Data Reporting Analyst	Systems Analyst	Mortgage Officer	Statistical Analyst
Data Research Specialist	IT analyst	Budget Analyst	Purchasing Agent
			Blog Writer

* Average estimated starting salary for <u>these listed jobs in Canada</u>

$40,435 - $63,294

(Labour Force Survey/Statistics Canada)

Approximately **748,500** job openings in British Columbia within the next 10 years will require some form of post-secondary education.

(British Columbia Labour Market Report Outlook: 2023 Edition, p. 4)

#1 in Canada, B.C has the salary increase for 2023 for all industries compared to all over provinces.

(www.hrreporter.com)

Who should apply?

Students who:

- enjoy utilizing their analytical and reasoning abilities.
- wish to develop excellent critical thinking skills.
- have a strong interest in finding solutions to problems.