Data Analytics

SCHOOL FOR ADVANCED DIGITAL TECHNOLOGY

Overview

In today's data-driven landscape, the ability to harness the power of data analysis is an invaluable skill.

Data is playing an increasingly pivotal role in shaping business strategies. This post-diploma certificate program will equip you with the knowledge, skills, and aptitude to unlock the world of data science.

You'll gain a deep understanding of fundamental principles in data analytics, setting the stage for a successful career in this exciting field.

In this program, you will learn:

- how to seamlessly integrate data into the decision-making process
- to transform raw data into actionable insights that drive business success
- data visualization techniques to convey complex information clearly and concisely
- data mining and predictive analytics to unearth hidden patterns and foresee future trends
- advanced concepts in data analytics
- to work confidently with industry-recognized data analytics solutions
- problem-solving skills that are highly sought after in data-intensive industries
- to use data to tell a compelling and meaningful story
- to effectively integrate data into reports and other materials
- the importance of ethical data management and data security.

As a graduate, you'll be well-prepared for a range of exciting roles in applied science, including data analyst, business analyst, market research analyst, financial analyst or healthcare analyst.

Our Data Analytics program opens doors to a world where data isn't just information - it's the key to innovation and success.

Traits, skills and aptitudes

Those working in the data analytics field are innovative, methodical and directive.

You need:

- an aptitude for and interest in statistics, artificial intelligence and databases
- an interest in applying scientific principles to solve practical problems
- the ability to analyze information and understand abstract relationships
- the ability to think logically, organize projects and carry them out
- the ability to work in teams as well as alone
- the ability to communicate with individuals from different technical and cultural backgrounds
- attention to detail.

The ideal Data Analytics post-diploma certificate candidate has:

- a previous post-secondary diploma or degree in business, economics or finance
- a strong math background and foundational education in statistics
- worked with data and is intrigued by the power of data and how it can be analyzed to support sound business decision-making.

Previous experience working with databases is an asset.

To do well in this field, you should enjoy synthesizing data, applying statistical theories and methods and working with others to understand and solve problems.

Practicum, Co-op and Work Integrated Learning

During your capstone project, you'll prepare a business case for an organization, complete a data analysis proposal, create a solution, and present the results to the industry partner or within a simulated professional context.

Specialized Intakes

This program is available to **international applicants** as a stand-alone program or as part of a program bundle - two programs delivered consecutively.

For details on available bundles including this program, see international bundle programs.

Credentials

Upon successful completion of this program, you will receive a SAIT Data Analytics post-diploma certificate.

Admission requirements

Applicants educated in Canada

Applicants must demonstrate English language proficiency and completion of the following courses or equivalents:

- a post-secondary degree or diploma from a recognized university, institute, or college.

A combination of education and experience will also be considered upon approval from the Academic Chair.

Applicants educated outside of Canada

All applicants who were educated outside of Canada must demonstrate English language proficiency and provide proof they meet the program admission requirements with an international document assessment. Find accepted educational documents and assessment options.

SAIT may also accept courses completed at certain international post-secondary institutions.

Costs

2026/27 tuition and fees

The following estimated costs are effective as of July 1, 2026.

The estimated total cost of tuition and fees is based on the blended or online suggested schedule of study. Following the part-time evening or accelerated streams will impact the fees you pay per semester and may alter final costs.

Domestic Students

Year	Number of semesters	Tuition fees	Additional fees	Total per year
1	2	$13,608	$1,764.50	$15,372.50
			Total cost:	**$15,372.50**

The estimated total cost of tuition and fees for domestic students is based on the recommended course load per year.

International Students

The program total is based on the estimated amount you will pay if you enter this program during the 2026/27 academic year. The program total amount listed on your letter of admission may appear higher. This amount is your maximum tuition guarantee for the program. SAIT will not exceed this maximum, regardless of changes in tuition and fees between academic years.

Year	Number of semesters	Tuition fees	Additional fees	Total per year
Year	Number of semesters	Tuition fees	Additional fees	Total per year
1	2	$18,960	$1,764.50	$20,724.50
			Total cost:	**$20,724.50**

The estimated total cost of tuition and fees for international students is based on the recommended course load per year.

Books and Supplies

Books and supplies are approximately $1,000 - $1,500 per full-time year.

This is a bring-your-own-device program with a power-user hardware and software requirement. See the specific requirements on our computers and laptops page.

Find your booklist on the SAIT Bookstore's website. The booklist will be available closer to the program start date. Can't find your program or course? The bookstore didn't receive a textbook list. Contact your program directly to determine if they're still refining course details or if you're in luck; no textbook purchase is required this term.