BIG DATA DEVELOPER

A.E.C. Business Intelligence and Visualization Analyst
LEA.CV: Profile Big Data Developer

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Program viewbook
2022|2023

Montreal College's Business Intelligence and
Visualization Analyst — Big Data Developer profile
path will provide you with tools and skills to
collect, manage, analyze and interpret data. We will
also provide you with the hands-on experience you
need to get an edge.

MONTREAL
COLLEGE IT
technology matters, awaken your career
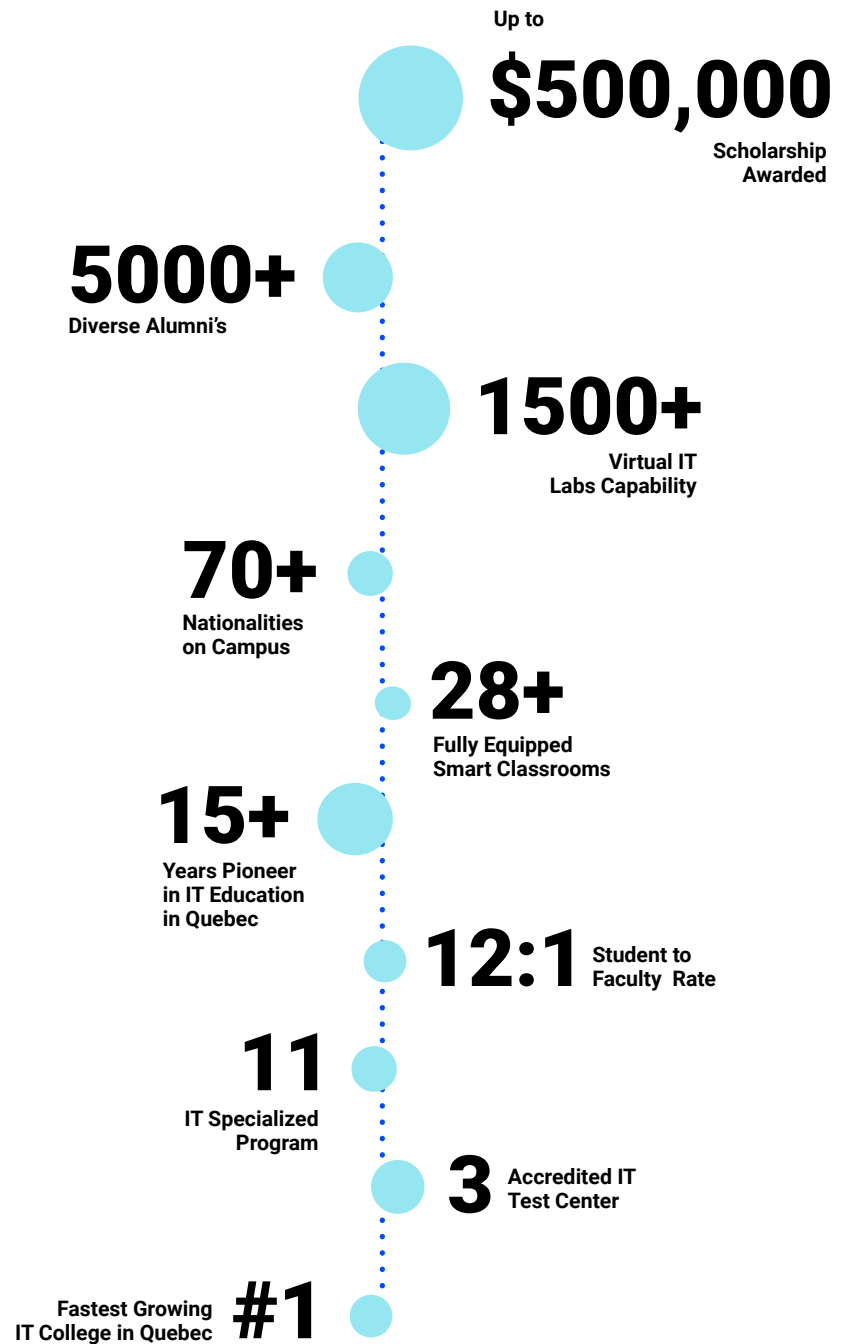
Study | Work | Stay

MCIT
by Numbers

The Montreal College of Information Technology is an institute of higher learning focused on delivering intensive, job-ready IT programs.

Buoyed by the College's state-of-the-art technological capabilities, our faculty of instructors implements industry-relevant curricula through an engaging learning experience that seeks to ensure workforce readiness and resilience.

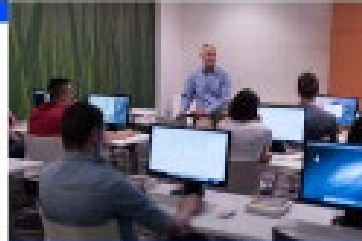Since MCIT's foundation in 2006, more than 3,000 of our graduates have been placed into gainful employment.

Up to
$500,000
Scholarship Awarded

5000+
Diverse Alumni's

1500+
Virtual IT Labs Capability

70+
Nationalities on Campus

28+
Fully Equipped Smart Classrooms

15+
Years Pioneer in IT Education in Quebec

12:1 **Student to Faculty Rate**

11
IT Specialized Program

3 **Accredited IT Test Center**

Fastest Growing IT College in Quebec ## #1

MONTREAL
COLLEGE IT
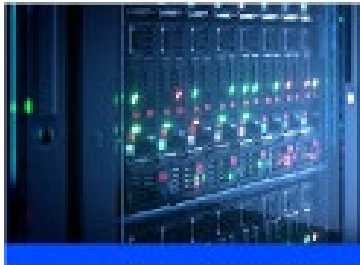*technology matters, awaken your career*

MCIT
Advanatges

Professional Oriented Programs

Personalized Feedback on Projects

Courses Taught by Industry Experts

24/7 Access to Course Material and Labs

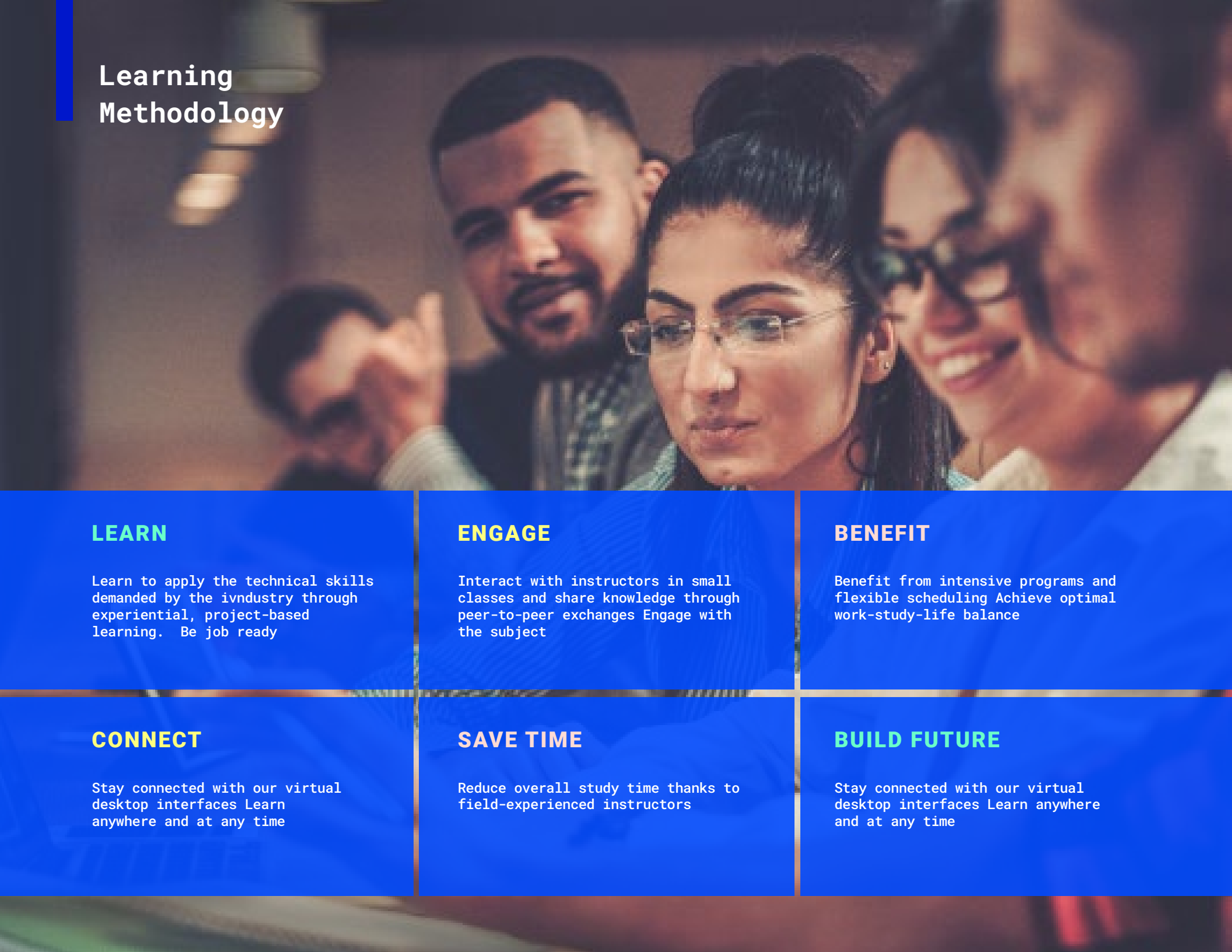Mentorship and Internship Programs

Career Guidance

Strong Alumni Network

MONTREAL COLLEGE IT
technology matters, awaken your career

Learning Methodology

LEARN

Learn to apply the technical skills demanded by the ivndustry through experiential, project-based learning. Be job ready

ENGAGE

Interact with instructors in small classes and share knowledge through peer-to-peer exchanges Engage with the subject

BENEFIT

Benefit from intensive programs and flexible scheduling Achieve optimal work-study-life balance

CONNECT

Stay connected with our virtual desktop interfaces Learn anywhere and at any time

SAVE TIME

Reduce overall study time thanks to field-experienced instructors

BUILD FUTURE

Stay connected with our virtual desktop interfaces Learn anywhere and at any time

Student Services

CAREER SERVICES

The Career Center Department assists existing students with career-related topics, such as CV writing tips, Cover Letters, Job search strategies, LinkedIn profile review, Building a Network, New Job Opportunities (found on your Omnivox Homepage), Interview Preparation and more

Business Hours:
Weekdays: 10:00AM to 6:00PM

ACADEMIC DEPARTMENT

The Academic Department at MCIT assists students with general queries related to their programs, including course schedules, examinations, and graduation among others. For subjects related to the course schedule, grades, examinations, issues with your class or other general questions:

academics@montrealcollege.ca
514-312-2383 – ext. 3931
Weekdays: 9:00AM to 8:30PM
Weekends: 9:00AM to 4:00PM

IT DEPARTMENT

In order to better assist you, please visit the help center portal at montrealcollege.ca/helpcenter and raise a ticket following the instructions.
Online Chat via Microsoft Teams: Online Tech Support

Business Hours:
Weekdays: 9:00AM to 4:00PM
Weekends: 9:00AM to 4:00PM

ADMISSION DEPARTMENT

The Admissions Department consists of both Local and International Program Advisors who are available to assists students by answering their questions related to their program.

For enquires related to Letter of Acceptance:
admission.int@montrealcollege.ca
514-312-2383 - ext.1106

For new registrations:
admissions@montrealcollege.ca
514-312-2383 - ext.3924

FINANCE DEPARTMENT

The Finance Department at MCIT assists students with tuition tax receipts, refunds, as well as any payment related issues.

finance@montrealcollege.ca
514-312-2383

If you need academic, admission, IT, finance or career help, We have services to help you .

Why Big Data?

Average annual salary
$122,247 per year
2.7 million jobs

103 billion dollar
big data analytics market by 2023,

With data being captured and analyzed at increasingly higher rates, the demand for professionals who can build big data solutions is high: properly exploited data can give businesses a huge competitive advantage. In the next few years, the career opportunities for big data analysts will increase tremendously. More and more companies are finding that the use of data analytics provides a better overall business perspective and, as a result, are able to make more strategic decisions.

A comprehensive Big Data program at Montreal College IT

Montreal College of Information Technology pioneered specialised IT education in Eastern Canada, long before it became popular, is an institute of higher learning focused on delivering intensive,job-ready IT programs.

Montreal College's Business Intelligence and Visualization Analyst — Big Data Developer pro-file path will provide you with tools and skills to collect, manage, analyze and interpret data. We will also provide you with the hands-on experience you need to get an edge. Big data being a relatively new field, it will be up to you to increase your already formidable technical skills and stay ahead of new trends and technologies. This is not a career in which you can afford to fall behind!

Ministry approved IT Program

Post Graduate Work Permit

Taught by Industry Experts

Career pathway Program

Co op opportunities

Big Data
Industry Trends

Microsoft BI better alternative to Tableau, Domo and Sisense

BI Analyst/Data Analyst is ranked number in top 5 IT skills.

The global business intelligence market is predicted to reach $29.48 billion by 2022

North America remains the largest market for BI software adoption.

More than 46% of businesses are already using a BI tool as a core part of their business strategy.

In 2020, there would be 2.72 million jobs requiring various data science and analytics skills.

Finance (67%), sales (61%), and marketing (60%) are the sectors benefiting the most from self-service BI
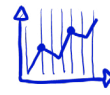
What Technologies Will You Learn?
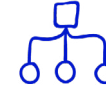
Apache Hadoop Ecosystem

Spark

Tableau

Data Visualisation

Scala

No SQL Databases

Big Data DBMS

Java Programming

Linux Shell & Scripting

Kafka & Avro

Big Data Reporting

Mapreduce

- Design and implement a data warehouse
- Creating and maintaining start schema data models
- Performing ETL (Extract, Transform and Load of data) using SSIS
- Monitoring and tuning queries and data loads for performance improvement
- Generating paginated reports for business units using Microsoft SSRS or Power BI Report Builder
- Contributing towards the development of Data Warehouse, Data Marts
- Designing, building and deploying Power BI applications
- Taking part in team activities to understand reporting and dashboard requirements
- Utilization of Azure Cloud Services for respective use cases

Iraj
Hidayati
Industry Expert

Iraj an Industry expert, leads the data team at Guavus, a major data analytics company, working with the Hadoop ecosystem. Holds multiple master's degree in computer science and software engineering. Iraj teaches Big Data at Montreal College, an activity that he throughly enjoys and is commited to driving excellence.

Before You Apply

Meet Program Specific Pre-Requisite for Big Data Program

PROGRAM	LANGUAGE SKILLS	ACADEMIC REQUIREMENTS	RELEVANT FIELD OF STUDY
Business Intelligence and Visualization Analyst (Big Data Developer)	IELTS: Minimum 6 bands in all modules or Minimum 6.5 bands in overall score with no less than 5.5 band in maximum 1 module. or Equivelant score in TOEFL or PTE or Use pathway method or Doulingo with minimum 95 score.	Diploma or Bachelor in relevant field,with no more than 8 backlogs OR Diploma or Bachelor in relevant field, with minimum 60% in their academic score	Business, Economics, Statistics, Programming, SQL, Data, Analytics

This is an entry-level course/program, but it assumes that students have the following:

- Secondary V / High School Diploma.
- Good knowledge Microsoft Office Applications (Word, Excel, PowerPoint Presentation).
- Completed post-secondary studies (in Business Management or Social Science or Information Technology) or have a CEGEP Diploma or have 1 year of relevant experience.

Follow These Steps To Get Into Your MCIT Program!

1 RESEARCH PROGRAMS

Ask our Representative, browse our website, explore our programs, give us a call or send us an email. We'd love to hear from you! Discover our programs:
montrealcollege.ca/diplomas/

2 APPLY TO MCIT

You can apply for admission :
Click here for Application Form
Each program has different admission requirements, outlined in course outlines and on our website.

3 RECEIVE YOUR OFFER

Congratulations! You're in! If you have been accepted, you will receive an email from MCIT's Admission Office.

4 PAY YOUR TUITION

With a variety of financial assistance options to consider, we're here to guide you through the process and help you access the resources that you need. To read more:
montrealcollege.ca/pay-my-tuition/

5 GET CAQ/STUDY PERMIT

Once you recieve your LOA, you can apply for CAQ then visa and study permit which it usually takes 6 to 12 weeks. Please consult an immigration professional if needed .

6 REGISTER FOR CLASSES

Attend registration & update your registration documents.

7 ATTEND ORIENTATION

Come to orientation to meet other students, learn about college services, talk to your instructors and get to know your campus.

8 GET CONNECTED

Join our Social Network (Facebook, Twitter, YouTube and more), get involved in campus clubs, student association events and take put in intramural sports .

Join Us

Once You Are Ready
Follow These Steps:

Deadlines | International Students

Semester	International Students- Outside Canada				International Students- Inside Canada			
	Admission	Class Start	Late Start	Class Ending	Admission	Class Start	Late Start	Class Ending
Fall 2021	Jul 13,2021	Oct 23,2021	Nov 6,2021	Nov 20,2022	Oct 26,2021	Nov 21,2021	Dec 5,2021	Nov 20,2022
Winter 2022	Nov 23,2021	Feb 14,2022	Feb 28,2022	Feb 13,2023	Feb 22,202	Mar 21,2022	Apr 4,2022	Mar 20,2023
Summer 2022	Mar 8,2021	June 13,2022	June 27,2022	June 12,2023	Mar 8,2021	Jul 21,2022	Aug 4,2022	Jul 20,2023
Fall 2022	Jul 13,2022	Oct 23,2022	Nov 6,2022	Nov 20,2023	Oct 26,2022	Nov 21,2022	Dec 5,2023	Nov 20,2023

15 weeks before classes start

4 weeks before classes start

Deadlines | Local Students

Semester	Deadline - Application		Program Status	
	Admission	Class Start	Class Ending(8 months)	Class Ending(12 months)
Fall 2021	Oct 12,2021	Oct 12,2021	June 11,2022	Oct 11,2022
Winter 2022	Feb 7,2022	Feb 14,2022	Oct 6,2022	Feb 6,2023
Summer 2022	June 6,2022	June 13,2022	Feb 12,2023	June 12,2023
Fall 2022	Oct 12,2022	Oct 12,2022	June 11,2023	Oct 11,2023

1 week before classes start

NEEDED DOCUMENTS FOR ADMISSION

A person is residing outside Canada and not having a right of residence in the territory of Canada or foreigner who is already authorized to be present on the territory of Canada for a limited period (holder of a residence permit for studies, temporary worker, visitor, refugee claimant, etc.).

A photocopy(es) of:

The payment authorization form (CAD $250 registration fees - non-refundable)

The transcripts of the highest level of education

The current Resume/CV

The birth certificate

Two pieces of photo IDs

The passport pages showing passport number, the dates of issue and expiry, name, picture and date of birth

The TOEFL/IELTS/PTE score sheet(issued within the last two years) or other proof of language proficiency (if applicable)

A valid Certificat d'Acceptation du Québec (if applicable)

A valid student permit (if applicable)

The valid certificat de sélection du Québec (if applicable)

The valid insurance policy showing student's name and period of coverage (if applicable)

The refugee protection claimant document (if applicable)

The receipt (tuition fees and other payments)

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Life In
Montreal

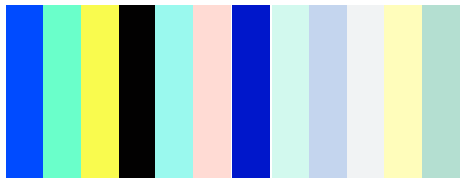

Currently recognized as the world's best city for international students*, cosmopolitan Montreal offers a vibrant, culturally rich blend of North American pragmatism and European joie-de-vivre.

An international leader in such industries as aeronautics, artificial intelligence, information technology, life sciences and interactive entertainment, Montreal is often referred to as the Silicon Valley of the North.

Whatever the season, Montreal always pulses with activity. The city is renowned for its wide array of events, exhibitions and festivals, all bolstered by a thriving food scene.

MCIT's campus is located in the middle of the action, at the very center of Montreal's downtown core.

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montrealcollege.ca

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Join us: