



	Duration 3 semesters		Schedule Full-time		Languages of Instruction English, French		Method of Instruction On-campus
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Become an AI expert in mathematics, data preparation, and algorithms. Use case studies to resolve specific issues. Excel in a variety of sectors – including financial technology, cybersecurity, and aeronautics – and contribute to the future of technology, with LaSalle College Montréal's ACS in Machine Learning.

Career Prospects and Career Fields

Montréal has become a global hub for artificial intelligence (AI) research and innovation, according to Montréal International.

The city has developed cutting-edge expertise, and several global leaders, including Mila, Google, and Facebook, have research labs in the Montréal AI ecosystem.

- Intelligent Systems Integrator,
- Programmer Specializing in Machine Learning and/or Artificial Intelligence,
- Programmer-Analyst in Machine Learning,
- Data Scientist,
- Specialist in Artificial Intelligence Techniques,
- Machine Learning/Artificial Intelligence Technician,
- Learning Systems/Megadata Technician.

Diploma and Accreditation

This Attestation of College Studies (ACS) is approved by the ministère de l'Enseignement supérieur of Québec and is internationally recognized.

ACS programs are part of continuing education and destined primarily for adults seeking to add value to their skill set or reorient their career.

A student without a Certificate of eligibility (CEO) who begins an ACS program in English will be required to demonstrate sufficient knowledge of French, as defined by the regulations of the Ministère de la Langue française, in order to graduate.

Montréal
2000, Sainte-Catherine Street West - 514 939-2006

Laval
1595 Daniel-Johnson Blvd. Suite 200 - 514 939-2006

**For this program, you'll
need to use your own
computer equipment.**

[SEE REQUIREMENTS](#)


Admissions Criteria

Exceptions to these admission criteria may be applied. Every application is reviewed by the College. To be eligible for acceptance into an ACS program, applicants are generally required to meet one of the following criteria:

- Have interrupted their full-time studies for at least two (2) consecutive semesters or one (1) full school year; or
- Have followed post-secondary studies for a period of at least one (1) year; or
- Have a Secondary School Diploma (SSD) or a Diploma of Vocational Studies (DVS), and the program allows them to receive a technical training that is not available in a DCS program; or
- Have an equivalent education or an instruction deemed sufficient and meet the admission criteria set for college studies.

List of Courses

ACS programs are based on DCS program curricula, but do not have general education courses like French, English, or Philosophy.

Concentration Courses

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|--|-------|
| • Creativity, innovation and critical thinking | (45h) |
| • Introduction to artificial intelligence | (60h) |
| • Calculus | (60h) |
| • Probability and statistics | (45h) |
| • Algorithms | (60h) |
| • Applied machine learning | (75h) |
| • Advanced data management | (75h) |
| • Machine learning and neural networks | (60h) |
| • Research, ethics, profession and artificial intelligence | (75h) |
| • Applied machine learning II | (75h) |
| • Convolutional neural networks for visual recognition | (90h) |
| • Recurrent neural network | (75h) |
| • Industrial applications | (45h) |

* The College reserves the right to substitute certain courses.