



Micro-certificate in Artificial Intelligence: Machine Learning Solutions

Learn what Artificial Intelligence (AI) and Machine Learning (ML) are and how they work. Understand how to determine what they can and can't do for you and your business or organization. Prepare to evaluate, discuss and advise on AI and ML solutions for IT projects and RFPs.

Artificial Intelligence: Machine Learning Solutions

PROGRAM DESCRIPTION: Whether you have a technical background or not, take a realistic and critical look at AI to consider the solutions it may or may not provide for you and your business or organization, in three online courses. Understand the implications, strengths, limitations, ethics and privacy considerations surrounding AI. Start with a broad overview to cover the fundamentals. Consider how to work with data in a practical assignment. Then, explore the kinds of decisions to be made in business. Learn online with the support of a knowledgeable instructor and opportunities to connect with fellow learners from a variety of industries. Consider bias, potential pitfalls and concerns. Ask the questions that need to be answered in order to make informed decisions about the integration of AI.

SKILLS AND COMPETENCIES: Learn how to leverage Artificial Intelligence and Machine Learning to devise and implement technical solutions for your business or organization. Review the popular Machine Learning engines and algorithms, understand the Machine Learning project lifecycle and consider related ethics and security.

PROGRAM LENGTH: 9 months to 5 years

DELIVERY: Online

FEES: \$2,514.⁷⁵ plus \$100 non-refundable application fee
Pricing subject to change without notice

CREDENTIAL: Earn a University of Manitoba Micro-certificate in Artificial Intelligence: Machine Learning Solutions.

Extended Education



University
of Manitoba



“I was amazed by the knowledge I gained. Now I can link AI to a business application to get rid of a business problem. It is a very good way to impress the boss.”

Siddh Sheth

Graduate, Artificial Intelligence: Machine Learning Solutions

Micro-Certificate in Artificial Intelligence: Machine Learning Solutions Program Overview

Register now for course

Study course by course. Course fees due at time of registration.

Apply online to the program

Sign in to create an account in our registration system. Choose **Apply to a Program** in the left menu. Select your program and pay your application fee to complete your application. [Apply now](#)

You must be admitted to the program in order to graduate with your micro-certificate.

Length of program: 96 contact hours

Required Courses (96 contact hours)

EEAS 0120

Introduction to Artificial Intelligence and Machine Learning (36 contact hours)

Learn how advances can be employed to solve a range of real-world business and organizational problems, and explore ethics, social impact, and responsibility of building AI solutions.

EEAS 0122

Machine Learning Algorithms and Frameworks (36 contact hours)

Receive an introduction to common machine learning (ML) algorithms and how each supports different learning types in AI fields, gain a broad understanding of commonly available frameworks and tools used to design, implement, test, and deploy ML solutions on various digital platforms, and how to choose and apply them.

EEAS 0124

Developing Machine Learning Solutions (24 contact hours)

Learn the major stages of ML product development and the different roles and skills required at each stage. Explore how AI is transforming business, the economy, and society as a whole, and the professional opportunities that may result.

Course information is subject to change without notice. For the latest information, check our website.

UMextended.ca



Extended Education

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This document is available in alternate formats upon request to extedmktg@umanitoba.ca

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