# Micro-certificate in Artificial Intelligence: Machine Learning Solutions

Learn how Artificial Intelligence and Machine Learning can solve the most important challenges in your business or organization and fuel your career. Explore AI and Machine Learning possibilities and how to apply them with this university credential offered entirely online, no coding required.

## Artificial Intelligence: Machine Learning Solutions

**Program description:** Understand the possibilities offered by AI and Machine Learning and what they can do for you and your business or organization. Learn how to use them. Explore real-world data and problems in order to gain practical experience. Join the discussion about AI ethics and explore important topics including privacy. Prime yourself and prime your organization with this condensed AI program offered entirely online. This program is designed to empower professionals and complement the studies of graduate students and the careers of IT professionals alike by providing them with additional practical experience, no coding required.

**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:** 4 months to 5 years

**Delivery:** Online

**Fees:** $2,150
Program application fee for the Winter 2024 term has been waived.
*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

> "This is mission critical for most industries now. There is a push to have technology infrastructure, the ability to collect and analyze data quickly, and to create solutions. AI is such an effective and useful area for business."

**Briana Brownell**
**Content provider, founder and CEO of Pure Strategy Inc.**

# 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**

Program application fee for the Winter 2024 term has been waived. *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 engines 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.*

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