

ARTIFICIAL INTELLIGENCE AND DATA SCIENCE - PROGRAM PLAN 2 YEAR - ONTARIO COLLEGE GRADUATE CERTIFICATE JAN 2023 INTAKE (WINTER)

All courses have a minimum passing grade of 50%. A minimum of 60% **GPA is required for** graduation.

WINTER 2023 SEMESTER 1 (JANUARY - APRIL) - 7 COURSES



AISC 1000 Python	AISC 1001 Statistical Modelling and	AISC 1002 Maths for Data Science	AISC 1003 Machine Learning 1	AISC 1004 Deterministic Models and	AISC 1005 AI Principles and Best Practices in	AISC 1006 Step Presentation (Step 1)
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	Inference	JUIETILE		Optimization	Canada	(Step I)	
CREDIT VALUE: 5	CREDIT VALUE: 3	CREDIT VALUE: 3	CREDIT VALUE: 3	CREDIT VALUE: 3	CREDIT VALUE: 2	CREDIT VALUE: 1	

SPRING 2023 SEMESTER 2 (MAY- AUGUST) - 7 COURSES

TOTAL HOURS: 280

PREREQUISITE AISC 1000 1002 1003			PREREQUISITE AISC 1002						
AISC 2000 Machine Learning 2	AISC 2001 Data Visualization	AISC 2002 Data Warehousing and Business Intelligence	AISC 2003 Advanced Analytics	AISC 2004 Data Storytelling Techniques	AISC 2005 Business Communications in Canada	AISC 2006 Step Presentation (Step 2)	AISC 2016 Co-op and Canadian Career Search Prep 1		
CREDIT VALUE: 3	CREDIT VALUE: 4	CREDIT VALUE: 3	CREDIT VALUE: 3	CREDIT VALUE: 3	CREDIT VALUE: 3	CREDIT VALUE: 1	CREDIT VALUE: 1		

FALL 2023 - ACADEMIC BREAK (SEPTEMBER - DECEMBER)

WINTER 2024 SEMESTER 3 (JANUARY - APRIL) - 8 COURSES **TOTAL HOURS: 294**

PREREQUISITE A 1000 1003 200		PREREQUISITE AISC 1000	PREREQUISITE AISC 1000	PREREQUISITE AISC 1000	PREREQUISITE AISC 1000	PREREQUISITE AISC100010032000	
AISC 2007 Deep Learning	AISC 2008 Computer Vision	AISC 2009 Natural Language Processing	AISC 2010 Programming and Deployment of IoT Devices	AISC 2011 Data Science Project Management and Requirement	AISC 2012 Tools for AI	AISC 2013 Deployment of AI Solutions	AISC 2017 Co-op and Canadian Career Search Prep 2
CREDIT VALUE: 4	CREDIT VALUE: 3	CREDIT VALUE: 3	CREDIT VALUE: 3	Gathering CREDIT VALUE: 1	CREDIT VALUE: 3	CREDIT VALUE: 3	CREDIT VALUE: 1

To be eligible for CO-OP or AIP, you must have passed all your courses and have a weighted GPA of 60% or higher.

SPRING 2024 SEMESTER 4 (MAY - AUGUST) - 2 COURSES

TOTAL HOURS: 490

KAGGLE COMPETITION OR

CO-OP PLACEMENT OR

PROFESSIONAL CERTIFICATION				APPLIED INDUSTRY PROJECT				
AISC 3001 Kaggle Competition		AISC 3002 Professional Certification Preparation		COOP 3000 Industry Co-op	AISC 3000 Applied Industry Project - AI and Data Science			
data set web-bas work v	vith other data scientists and e learning engineers, and enter tions to solve data science	You will work toward certification in the most in-demand proprietary certification to enhance your employability attribute upon graduation.	he i bui he i goo he i for es i for hei hei hei hei hei hei	-op is a work integrated experience ilt into post-secondary programs to ow you to get hands on experience in ur field of study while applying your ademic studies. The integration of mal learning practices with velopmental learning opportunities lps to enhance and consolidate the owledge, skills, abilities and attitudes of nerging professionals. This is also an portunity to interact and demonstrate ur skills to potential employers.	The integration of formal learning practices with developmental learning opportunities helps to enhance and consolidate the knowledge, skills, abilities and attitudes of emerging professionals.			