ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

EXPERIENCED INSTRUCTORS • ON-CAMPUS ONLINE COURSES • STACKABLE CERTIFICATES

BSC BISMARCK STATE COLLEGE | **North Dakota's Polytechnic Institution**

Demand for AI skills is expected to grow over the next three to five years, driving the need to learn new technical skills across industries.

CAREER OPPORTUNITIES

- Machine Learning Researchers
- AI Engineer
- Data Mining and Analysis
- Machine Learning Engineer
- Data Scientist
- Business Intelligence (BI) Developer
- Computer Systems Analyst

HANDS-ON LEARNING.
WORKFORCE READY.

Be empowered with the necessary AI skills for employability in the digital economy.

The Artificial Intelligence & Machine Learning Associate of Applied Science degree partners with Intel to focus on building machine learning models that can be used for predicting, making decisions, and enhancing human capabilities. Students completing the program are prepared to enter the workforce in a variety of fields using artificial intelligence, including information technology, automotive, healthcare, agriculture and business, industrial, and manufacturing.

PRESCRIBED TECHNICAL PROGRAM REQUIREMENTS

Course	Title	Credits
AIM 100	Intro to Artificial Intelligence	3
AIM 110	Introduction to Machine Learning	3
AIM 210	Introduction to Natural Language Processing	3
AIM 220	Introduction to Computer Vision	3
AIM 230	Artificial Intelligence for Business Solutions	3
AIM 240	Artificial Intelligence Capstone Project	3
CIS 185	Introduction to Programming	3
CIS 197	Cooperative Education/Internship	1
CIS 204	Database Design and Structured Query Language	3
CIS 299	Special Topics (AI Data Visualization)	3
CSCI 160	Computer Science I	4
CSCI 161	Computer Science II	4
MATH 104	Finite Mathematics	3
MATH 105 OR 107	Trigonometry or Pre-Calculus	2-4
MATH 146	Applied Calculus I	3
MATH 299	Special Topics	3
	Total Credits	47-49

*Program also includes required general education and program elective credits

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STRONG JOB MARKET

WORKFORCE READY SKILLS

$60K STARTING SALARY

intel

bismarckstate.edu