MACHINE LEARNING & ARTIFICIAL INTELLIGENCE SAMPLER

GRADES 10 TO 12 **4 CREDITS**

Central Okanagan Public Schools
Together We Learn

Okanagan COLLEGE

This sampler introduces data science, data visualization, and artificial intelligence through hands-on investigation of real-world data. Students use spreadsheets, statistical methods, visualizations, regression models, and simulations to identify patterns, answer questions, and communicate evidence-based conclusions. Generative AI is used to support data analysis, problem-solving, and data storytelling, with emphasis on effective prompting, verification of AI-generated content, bias, privacy, and responsible use. Students develop critical-thinking, creative, technical, and communication skills relevant to further study and careers involving data and AI.

WHAT YOU WILL LEARN

- Learn skills related to a variety of careers in the data science / tech industry
- Taught by industry professionals
- Modules:
- Sampling, Survey Design & Descriptive Statistics
- Data Visualization & Storytelling
- Introduction to Machine Learning: Linear Regression
- Artificial Intelligence & Simulation

CAREER AREAS EXPLORED

Data Scientist
Tech Industry - AI & Software Developer
Robotics Engineer
Heatlthcare Technology Specialist

PROGRAM AT A GLANCE

Intake Date

February - May

Delivery

In-person, Tues & Thursday evenings 6:00-8:00 pm
Every other Saturday 9am - 3:00 pm
Okanagan College, 1000 KLO Rd, Kelowna

Tuition

SD23 pays course tuition
Student Pays a $50 non-refundable deposit

AI isn't just for students who want to become computer programmers. These technologies are increasingly used in healthcare, skilled trades, business, transportation, agriculture, and many other fields.

READY TO APPLY?
Applications are available at your school Career Centre or www.dualcredit23.sd23.bc.ca

Questions? Contact dualcredit@sd23.bc.ca