DATA ANALYSIS FOR COMPLEX SYSTEMS (GR. CERT.) (15 CREDITS)

Offered by: Technology & Innovation
Program credit weight: 15

Program Description

The 15-credit Graduate Certificate in Data Analysis for Complex Systems is designed to equip learners who do not necessarily have a technical background with the fundamentals of complex systems. The program focusses on applying data analysis techniques to better understand different phenomena in fields such as financial technology, organizational management, or digital marketing. The program is offered online with synchronous course activities.

Note: For information about Fall 2025 and Winter 2026 course offerings, please refer to Visual Schedule Builder. A technical issue is causing the "Terms offered" field to incorrectly report "this course is not currently offered" for many courses in the Course Catalogue.

Required Courses (9 credits)

Expand allContract all

Course	Title	Credits
CCCS 610	Digital Thinking for Data Analysis.	3
CCCS 620	Data Analysis and Modelling .	3
CCCS 630	Complex Systems.	3

Complementary Courses (6 credits)

6 credits selected from:

Expand allContract all

Course	Title	Credits
CCCS 670	Information Visualization.	3
CCCS 680	Scalable Data Analysis.	3
CCCS 690	Applied Computational Research.	3

Or another 600-level course offered by the School of Continuing Studies and approved by the academic unit.