Northern COLLEGE

Environmental Technician - Water & Waste Water Systems Operations Program

Fall 2023 Intake—Option: 2023-24 Academic Year

4 Academic Semester Delivery Model (No Co-Op; Uncompressed)

Program Code: T090

Semester 1
Fall #1 2023

Courses
CM1903 Communications I
EV1013 Chemistry and Physics
EV1053 Basic Math for Systems Operators
IN1093 Computer Applications
WM1004 Water Monitoring and Sampling
WM2023 Intro to Wastewater Collections and Treatment

Semester 2
Winter #1 2024

Courses
BU1103 Intro to Human Resources
CM2903 Communications II
EV1033 Millwright and Water Treatment Plant 1
EV4022 Laboratory Procedures
EV4023 Statistics for Operations Process Control
GN2013 Co-Op Study
WM2011 Wastewater Digester Ops & Nutrient Removal
WM3003 Hydrogeology
WM4022 Environmental Regulations & Legislation

Summer 2024 break

Semester 3
Fall #2 2024

Courses
EV2013 Soil and Air Monitoring & Sampling
GN1033 Health & Safety
GN1443 Indigenous Culture and Awareness
IN4163 Introduction to GIS
EL1031 Gen Ed Elective I
EL2031 Gen Ed Elective II

Semester 4
Winter #2 2025
Final Academic Semester

Courses
EV1000 Drinking Water Operations - Self Study
EV2004 Plant Operations 2
EV2053 Problem Solving in Water and Wastewater Treatment
EV3005 Certification Exams Preparation
EV4013 Pumps and Motors
EV4016 Instrumentation and Process Control
EV4032 Chlorine Maintenance
WM4002 Waste Characteristics

International students: we recommend you consider this 4-semester, non-co-op program (instead of the 3 compressed academic semester co-op option) for greater certainty with post-graduate work permits.

Course in blue font are offered every second winter.

Modified Sep2023

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Modified Sep2023