

[Water and Wastewater Operator & Certification Training – Fall 2023](#)

Interactive Alternative Delivery Courses

Red River College Polytechnic will be offering a full suite of Class 1 & 2 Operator Training and Certification Exam Preparation courses in the fall of 2023. All courses will be offered by interactive alternative delivery. This adaptive delivery will be **online** through RRC Polytech's learning management system (LEARN), entailing approximately 80 % voice over PowerPoint presentations and video resources, and 20 % interactive WebEx sessions with the course instructor. All participants are required to have access to a computer and high-speed internet from 8:00 am – 4:30 pm for each day of the course. As with our face to face courses, some self study is required outside these time frames. Course costs are reduced for online delivery courses. Access to the material on LEARN will be available for 3 weeks past the course finish date, as exams do not always directly follow the course. ** The CEU's credited from MB Environment, Climate and Parks (formerly called MB Sustainable Development) are the same as for RRC Polytech's face to face training.

For Course Information please email techsolutions@rrc.ca
Download RRC Polytech's Course [Registration Form](#)

CANCELLATION POLICY: Registration cancellations less than 8 days before the start of the course will be charged a \$50.00 fee.

[Manitoba Operator Certification Exam Registration; Please Read!](#)

RRC Polytech Certification Preparation Course fees **do not include the exam cost.** The certification exams are administered by Manitoba Environment, Climate and Parks - not the College. **It is the course participant's responsibility to register & pay for the exam (on-line payment available) no later than 14 days prior to the exam date.** The associated certification exams are available to be written in person at 215 Garry Street, Winnipeg (Ricoh Plaza), on a variety of dates outlined below. Limited seats are also available in Brandon and other Manitoba locations upon request. **Exam Inquiries, please email: wwopcert@gov.mb.ca**

Exam Application https://www.manitoba.ca/sd/pubs/waste_management/wastewater/exam_registration.pdf

Online payment <http://www.canadamapsales.com/en/catalogue/environmental-services/p17728511.html>

Exam Dates; 2 sessions daily (8:30 AM & 1:00 PM)

September 15, 22 & 29, October 10 & 20, November 10, and December 1, 2023

Water and Wastewater Foundations (Course Code: WATR-1007 and ID: 245611)

Five-day course: **August 28 – September 1, 2023**

Fee: \$1040.00 Registration deadline: **August 18, 2023**

This introductory course covers the foundational skills and knowledge operators require for success when writing ABC certification exams. This course is **recommended, but optional**, prior to taking a Class 1 certification exam preparation course. Industry related Math and Science (chemistry, microbiology, hydraulics and electricity), Safety / Administration / Management, and Equipment / Support systems are all gone over in detail, relative to certification exam requirements.

Who should take the Foundations Course? RRC Polytech has developed a diagnostic quiz designed to objectively assess an individual's fundamental skill set that will be required for effective participation in a Certification Exam Preparation Course. **All individuals that have not taken the Foundations Course in the past or have not successfully passed a Water and Wastewater Certification exam should complete the quiz.** To acquire a copy of the diagnostics quiz, please contact Patricia Oleksiew at (204) 632-3017 or poleksiew@rrc.ca.

Water Treatment I (Course Code: WATR-1032 and ID: 245609)

Four-day course: **September 11 - 14, 2023**

Fee: \$864.00 Registration deadline: **August 25, 2023** Exam Date: **Register with MB Environment, Climate and Parks**

This course is intended for operator training and/or as preparation for the Manitoba Water Treatment Class I Certification Exam. Topics include: A **brief** review of Foundations material, Hydrologic cycle, Ground water systems, Water quality parameters / guidelines & regulations, Conventional Treatment, Slow sand filtration, Fluoridation, Iron & Manganese removal, Scaling & Corrosion, Taste & Odor control, Disinfection / Chlorination, Testing / Sampling, & Water Treatment mathematical calculations.

Water Distribution I & II (Course Code: WATR-1010 and ID: 245607)

Four-day course: **September 18 - 21, 2023**

Fee: \$864.00 Registration deadline: **Sept. 1, 2023** Exam Date: **Register with MB Environment, Climate and Parks**

This course is intended for operator training and/or as preparation for the Manitoba Water Distribution Class I or Class II Certification Exams. Topics include: A **brief** review of Foundations material, Hydrologic cycle, Ground water, Distribution system purpose / design, Piping / Trenching / Bedding, Scaling & Corrosion, Cathodic protection, Hydrants / Valves / Service connections / Meters, Cross connection / Backflow prevention, Chlorination, Testing / Sampling, & Water Distribution mathematical calculations.

Wastewater Collection I & II (Course Code: WATR-1003 and ID: 245610)

Four-day course: **September 25 - 28, 2023**

Fee: \$864.00 Registration deadline: **Sept. 8, 2023** Exam Date: **Register with MB Environment, Climate and Parks**

This course is intended for operator training and/or as preparation for the Manitoba Wastewater Collection Class I or Class II Certification Exams. Topics include: A **brief** review of Foundations material, WW characteristics, Collection system purpose / design, Piping / Trenching / Bedding, Odor & Corrosion control, Manholes / Lift stations, Cross connection / Backflow prevention, Pipe inspection / cleaning / rehabilitation, Chlorination, Testing / Sampling, & Wastewater Collection mathematical calculations.

Wastewater Treatment I (Course Code: WATR-1031 and ID: 245622)

Four-day course: **October 3 - 6, 2023 (Tuesday to Friday)**

Fee: \$864.00 Registration deadline: **Sept. 15, 2023** Exam Date: **Register with MB Environment, Climate and Parks**

This course is intended for operator training and/or as preparation for the Manitoba Wastewater Treatment Class I Certification Exam. Topics include: A **brief** review of Foundations material, WW characteristics / parameters / guidelines, Wastewater stabilization pond design & maintenance; Mechanical treatment processes, Sludge handling, Odour control, UV / Chlorination, Testing / Sampling, & Wastewater treatment mathematical calculations.

Water Treatment II (Course Code: WATR-2032 and ID: 248836)

Four-day course: **November 6 - 9, 2023**

Fee: 864.00 Registration deadline: **Oct. 20, 2023** Exam Date: **Register with MB Environment, Climate and Parks**

This course is intended for operator training and/or as preparation for the Manitoba Water Treatment Class II Certification Exam. Topics include: A very **brief** review of Foundations material, Surface water treatment systems, Water quality parameters / guidelines & regulations, Lime/soda ash softening, Ion exchange, Rapid sand filtration, Membrane filtration, Fluoride, Taste / odor control, Scaling / Corrosion, UV / Ozone / Chlorination disinfection, Testing / Sampling, & WT2 mathematical calculations.

Wastewater Treatment II (Course Code: WATR-2031 and ID: 248837)

Four-day course: **November 27 - 30, 2023**

Fee: \$864.00 Registration deadline: **Nov. 10, 2023** Exam Date: **Register with MB Environment, Climate and Parks**

This course is intended for operator training and/or as preparation for the Manitoba Wastewater Treatment Class II Certification Exam. Topics include: A very **brief** review of Foundations material, WW characteristics / parameters / guidelines, Lagoons, Mechanical treatment processes, Sludge handling / digestion / dewatering / disposal, Odor control, UV / Chlorination, Lab equipment / Testing / Sampling, Nutrient removal, & Wastewater treatment 2 mathematical calculations.

For up to date course information, please visit [Manitoba Water and Wastewater Training : RRC Polytech: Technology Solutions for the Workplace](#)