

Water and Wastewater Operator & Certification Training - Spring 2024

Red River College Polytechnic is offering **IN-PERSON** Class 1 & 2 Operator Training and Certification Exam Preparation courses in spring 2024. All courses will be held at RRC Polytech's Notre Dame Campus. All courses run Monday through Thursday (8:00 am – 4:00 pm) except for the Foundations Course (5 days of instruction / no exam). The course fee includes printed course materials, classroom instruction, morning and afternoon coffee breaks, and parking. The associated exams are available to be written in-person at 215 Garry Street, Winnipeg (Ricoh Plaza), on the Friday of the course week. Note: You must register for the exam separately thru Manitoba Environment, Climate and Parks. See Certification Exam Registration note below.

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 exams are available to be written in person at 215 Garry Street, Winnipeg (Ricoh Plaza). Limited seats are also available in Brandon and other Manitoba locations upon request. **Exam Inquiries, please email: wwopcert@gov.mb.ca**

Exam Application form https://www.manitoba.ca/sd/pubs/waste_management/wastewater/exam_registration.pdf
Online payment <https://forms.gov.mb.ca/water-and-wastewater-operator-certification-online-payment/>

Course Questions? 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.

Water and Wastewater Foundations (Course Code: WATR-1007 and ID 256595)

Five-day course: **April 8 - 12, 2024**

Fee: \$1171.00 Registration deadline: **March 28, 2024**

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 email techsolutions@rrc.ca

Water Treatment I (Course Code: WATR-1032 and ID 256596)

Four-day course: **May 6 - 9, 2024**

Fee: \$973.00 Registration deadline: **April 26, 2024**

Exam Date: **May 10, 2024 - register with MB Environment, Climate and Parks**

This course is intended 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 256597)

Four-day course: **May 13 - 16, 2024**

Fee: \$973.00 Registration deadline: **May 3, 2024**

Exam Date: **May 17, 2024** - **register with MB Environment, Climate and Parks**

This course is intended 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 256598)

Four-day course: **May 27 - 30, 2024**

Fee: \$973.00 Registration deadline: **May 17, 2024**

Exam Date: **May 31, 2024** - **register with MB Environment, Climate and Parks**

This course is intended 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 256601)

Four-day course: **June 3 - 6, 2024**

Fee: \$973.00 Registration deadline: **May 24, 2024**

Exam Date: **June 7, 2024** - **register with MB Environment, Climate and Parks**

This course is intended 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 256602)

Four-day course: **June 10 - 13, 2024**

Fee: \$973.00 Registration deadline: **May 31, 2024**

Exam Date: **June 14, 2024** - **register with MB Environment, Climate and Parks**

This course is intended 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 256603)

Four-day course: **June 24 - 27, 2024**

Fee: \$973.00 Registration deadline: **June 14, 2024**

Exam Date: **June 28, 2024** - **register with MB Environment, Climate and Parks**

This course is intended 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.

NEW COURSE COMING SOON! Wastewater Treatment III: June 10 - 20, 2024 in Selkirk.

FALL/WINTER 2024 - Interactive ONLINE Courses. Schedule TBA.