
Water and Wastewater Refresher Courses – Spring 2017

Consistent with the past number of years Red River College will be offering a full suite of certification exam preparation courses in the spring of 2017. In addition to offering courses in Winnipeg, some courses are being held regionally through our college affiliates.

Winnipeg Based Courses

All of the Winnipeg based courses and the associated certification exams are held at Red River College's Notre Dame Campus and the course costs include parking and lunches. With the exception of the Foundations Course (5 days of instruction and no exam) all of the courses run from Monday through Thursday (8:00 am – 4:00 pm) with the exam being administered on the Friday morning.

CANCELLATION POLICY: Students who cancel their registration 7 days or less before the start of the course will be charged a \$100.00 fee.

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

Five-day course: **April 24 – 28, 2017**

Fee: \$1020.00 Registration deadline: **April 7, 2017**

This former basic mathematics and science courses has been expanded. It will continue to assist operators with the basic mathematics and science skills required to take the Manitoba Class I and Class II Certification courses. Participants will solve problems related to the fields of water treatment and distribution, wastewater treatment and collection. Participants will learn a basic understanding of chemistry, microbiology, hydraulics and electricity. However, the course will now *also* include the following general topics: Administration and Management, Equipment and Support Systems, and Safety.

Water Treatment I (Course Code: CONF-1077)

Four-day course: **May 1 - 4, 2017**

Fee: \$825.00 Registration deadline: **April 14, 2015**

Exam Date: **May 5, 2017, RRC**

This course is intended as preparation for the Manitoba Water Treatment Class I Certification Exam. Topics include: hydrologic cycle; ground water systems; slow sand filtration; chlorination; testing/sampling; water treatment dosage calculations; detention time/flow rate calculations.

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

Four-day course: **May 8 - 11, 2017**

Fee: \$825.00 Registration deadline: **April 21, 2017**

Exam Date: **May 12, 2017, RRC**

This course is intended as preparation for the Manitoba Water Distribution Class I or Class II Certification Exams. Topics include: hydrologic cycle; ground water systems; hydrants/valves/meters; piping standards; chlorination; testing/sampling; pipeline dosage calculations; detention time/flow rate calculations; backflow/cross connection; piping standards; trenching/bedding standards; tapping; leak detection; corrosion control.

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

Four-day course: **May 15 – May 18, 2017**

Fee: \$825.00 Registration deadline: **April 28, 2017**

Exam Date: **May 19, 2017, RRC**

This course is intended as preparation for the Manitoba Wastewater Collection Class I or Class II Certification Exams. Topics include: manholes/lift stations; backflow/cross connections; piping standards; trenching/ bedding standards; odor/corrosion control; lift station calculations; detention time/flow rate calculations; chlorination and testing/sampling.

Wastewater Treatment I (Course Code: CONF-1065)

Four-day course: **May 29 – June 1, 2017**

Fee: \$825.00 Registration deadline: **May 12, 2017**

Exam Date: **June 2, 2017, RRC**

This course is intended as preparation for the Manitoba Wastewater Treatment Class I Certification Exam. Topics include: lagoons; chlorination/odor control; testing/sampling; wastewater treatment dosage calculations; detention time/flow rate calculations.

Water Treatment II (Course Code: CONF-1089)

Four-day course: **June 5– 8, 2017**

Fee: \$825.00 Registration deadline: **May 19, 2017**

Exam Date: **June 9, 2017, RRC**

This course is intended as preparation for the Manitoba Water Treatment Class II Certification Exam. Topics include: surface water systems; backflow/cross connection; lime/soda ash softening; rapid sand filtration; ion exchange; membrane filtration; taste odor control; fluoride; UV disinfection; testing/sampling; chlorination; disinfection; water treatment dosage calculations; detention time/flow rate calculations.

Wastewater Treatment II (Course Code: CONF-1067)

Four-day course: **June 12 – 15, 2017**

Fee: \$825.00 Registration deadline: **May 26, 2017**

Exam Date: **June 16, 2017, RRC**

This course is intended as preparation for the Manitoba Wastewater Treatment Class II Certification Exam. Topics include: wastewater characteristics; treatment processes; mathematical calculations; microbiological control; sampling & testing; laboratory equipment & practices; selection, operations & maintenance of equipment; safety, security & administration.

Winnipeg Based Course Registration: For course registration or general information contact

Louise Wood at (204) 632-3017 lowood@rrc.ca.

Regionally Based Courses: *Brandon - Assiniboine Community College - TBA*

Brandon Based Course Registration: For course registration or general information contact Jodi Madill (204) 725-8700 ext. 6028 madillj@assinibione.net

NOTE: Though there are no formal pre-requisites required to take Certification Exam Preparation Courses, it is assumed that participants possess the fundamental math, science, equipment, and safety skills required to understand the course material. Individuals who do not possess these skills should be taking the five day Water and Wastewater Foundations Course prior to registering for any Certification Exam Preparation Courses.

To establish who should be taking the Foundations Course RRC has developed a diagnostics quiz designed to objectively assess an individual's fundamental math, science, equipment and safety skills required to effectively participate 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 contact Louise Wood at (204) 632-3017 or lowood@rrc.ca.

Exam Registration

The Water and Wastewater Certification Preparation Course fees do not include the cost of the exam(s). All certification exams are arranged and registered by Manitoba Conservation and Water Stewardship. It is the course participant's responsibility to register and make payment for the exam to Manitoba Conservation and Water Stewardship no later than 14 days prior to the exam date. The exam dates and on-line exam registration forms are available here: <http://www.gov.mb.ca/conservation/eal/certification/exams.html>. Exam payment may be made on-line at the time of exam registration.

REGISTRATION

Technology Solutions for the Workplace

Please complete and fax, or email this registration form (one form per person) to the address below before the registration deadline.

Red River College, Civil Engineering Technology, A131-2055 Notre Dame Ave, Winnipeg, MB R3H 0J9, Email: lowood@rrc.ca, Fax: 204.633.6075

INQUIRIES

All inquiries related to course content and Instructors should be directed to Louise Wood, Phone: 204.632.3017, Fax: 204.633.6075

PLEASE PRINT

Course Title _____ Course No. _____

First Name _____ Last Name _____

Home Address _____

City _____ Province _____ Postal Code _____

Phone: Home _____ Cell _____ Work + ext. _____

SIN _____ Date of Birth (D/M/Y) _____ Sex: Male/Female _____

Email _____

PAYMENT

COURSE FEE: Please refer to brochure for course fees. / CANCELLATION POLICY: Students who cancel their registration less than 7 days before the start of the course will be charged a \$100 fee.

Cheque enclosed (payable to Red River College)

Personal Card Master Card Visa Card Number _____ Expiration Date _____

Company Card Master Card Visa Card Number _____ Expiration Date _____

Authorized Signature _____

Please Invoice Complete below; please print **ALL SECTIONS MUST BE COMPLETED**

Contact Person _____

Company Name _____

Company Address _____

City _____ Province _____ Postal Code _____

Contact Phone _____ Ext _____ Contact Fax _____

Authorized Signature _____