Protect our water systems.

This compressed 45-week diploma program will prepare you for a career managing water and wastewater infrastructure in industries such as residential or agricultural development, industrial food (e.g. breweries), or public facilities.

Students in the Water and Wastewater program receive hands-on lab experience in chemistry, microbiology, and mechanical systems with all the knowledge and skills required to work in the field.

In this program, you will learn contemporary techniques to manage and maintain water treatment units and to manage industrial and household wastewater. You will also gain a theoretical education that can be specialized through post-graduate certificates or to pursue a university education.

YOUR CAREER

You may go on to hold positions such as:

- Water Quality Analyst
- Environmental Technician
- Water Distribution Operator
- Wastewater Compliance Officer
- Water and Wastewater Plant Operator
- Wastewater Collection Operator
- Water or Lab Technician

This program is best suited for students that are detail-oriented, motivated, and responsible. Having a strong passion for the environment and public health is required.

QUICK FACTS

The Government of Canada has budgeted $5 billion for water and wastewater infrastructure over the next 5 years.

Sources: 2016 Federal Budget Analysis
http://watercanada.net/2016/canadas-budget-2016-promises-dedicated-funds-for-water-infrastructure-stewardship-and-science/
FREQUENTLY ASKED QUESTIONS

Is this program right for me?
If you enjoy scientific discovery, have an eye for detail, and a strong interest in environmental sciences, this program is for you.

How can this program help me to go to University?
On occasion, students have used this program as a pathway into University in the areas of Environmental Science or Engineering. If you decide that you want to pursue a university degree, this program can give you a practical foundation to move forward with that educational goal.

What will I learn in this program?
Students will learn microbiology, chemistry, and other topics required to properly maintain and manage Canada’s water and wastewater systems.

What are my options after graduating from this program?
On occasion, students may want to continue their education after completing the 45-week diploma. Options that will build on your education include Environmental Management and Assessment Graduate Certificate, Regulatory Affairs - Science Graduate Certificate, Technical Writer Graduate Certificate or post-secondary education at a university in environmental sciences or engineering.

What skills should I have?
All students begin at the same level. However, students with previous experience in terms of work history or education can be granted Advanced Standing.

Do I need to buy any textbooks?
The Water and Wastewater program is participating in the etext program. However, there will be five hardcopy texts that you will need to purchase at the Connections Bookstore.

Do I need to buy a computer?
Your learning experience is enhanced through the use of online and mobile technologies in and out of the classroom, allowing you to work with course materials and participate in collaborative learning environments. For the Water and Wastewater program you will require a PC laptop with the specifications found at algonquincollege.com/byod/prospective/device.htm

Is there any software I need to buy?
No. Students will receive all required software as a part of their mobile computing fees.

How do I apply?
If you think this the right program for you, you can apply at OntarioColleges.ca, and search for the program “Water and Wastewater” at Algonquin College. The program code is 3014X.

CONTACT

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