

BIOTECHNOLOGY ADVANCED



Start an exciting path in biotechnology!

This three-year Ontario College Advanced Diploma program provides learners with a strong background in the science that drives this expanding industry. The curriculum offers a combination of laboratory and theory courses in disciplines such as chemistry, cell biology, biochemistry, biostatistics, microbiology and genetic engineering.

Graduates are prepared for fascinating work in a variety of laboratory settings including bioresearch facilities, analytical laboratories, commercial, biotechnology goods and services production, agricultural, government and academic labs.

YOUR CAREER

Graduates may find employment working in research, health-care, agriculture and environmental laboratories in the following roles:

- Research Technologist
- Laboratory Technologist
- Quality Control Technologist
- Production role as a technologist
- Scientific equipment technical service specialist
- Food safety inspector
- Quality Documentation Associate

This program is well suited for students who enjoy problem solving, and like to conduct biology and chemistry laboratory experiments. Students who are organized, focused and work well in a team environment are more likely to experience success.

Learn more at algonquincollege.com/biotech

QUICK FACTS

- 79% of students employed within 6 months. (Source: 2012-2013 Grad Employment report, www.algonquincollege.com)
- Estimated average starting salary is \$33,500 (Source: 2010-2011 Grad Employment report, www.algonquincollege.com)
- Biotechnology and the tools associated with the field are responsible for hundreds of current medical diagnostic tests that currently exist.



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Frequently Asked Questions

Is the Biotechnology Advanced program difficult?

The Biotechnology Advanced program is challenging and rewarding. Students will learn many new technologies and skills throughout the six terms spent in the program. With active participation in the laboratory activities and regular class attendance, the program is very manageable.

Do I need to buy any textbooks?

Biotechnology Advanced is participating in the etext program. Most of your books will be delivered by digital format before the school year begins. You will need to purchase a lab logbook at Connections (<\$30).

Do I need 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 Biotechnology Advanced program you will require a laptop or a tablet with the specifications found at algonquincollege.com/byod/prospective/device.htm

Is there any software I need to buy?

No. Students will get required software as a part of their mobile computing fees.

What type of experience-based learning can I expect?

All second year Biotechnology Advanced students can expect to participate in an eight month applied research project where student teams are paired with an industry partner, researching real-life biotechnology solutions.

Students may also apply for two optional co-op terms after levels IV and VII of the program. To learn more about co-operative learning, please [contact our co-operative education team](#).

Does Algonquin College have agreements with any other post secondary institutions?

Algonquin College has many articulation agreements in place with Universities locally (Carleton University), and various national and international institutions.

These articulation agreements allow graduates to pursue additional studies while having some of their current studies recognized. The most up to date information about these further educational opportunities can be found at the ontransfer.ca website.

FOR MORE INFORMATION, CONTACT

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