



Applied Chemistry & Biotechnology

Program Information

Applied Chemistry and Biotechnology, with optional internship, is a two year diploma program that produces graduates able to work in a laboratory in cancer research, microbial disease research, drug development, plant biotech, and environmental protection. Students will have a solid fundamental understanding of modern techniques in biotechnology with a well-rounded technical background in chemistry, biochemistry, microbiology, and immunology.

Examples of student competencies:

- Lab work: (both quantitative and qualitative techniques)
- Solid foundation on good laboratory practices including safe handling of hazardous chemicals and infectious agents
- Quality assurance and quality control protocols for both field sampling and laboratory analysis of environmental samples
- Statistical data collection, analysis, and report writing
- Skilled in dilutions, preparation of standard solutions, buffers and bacterial media
- Hands-on experience with the use and operation of modern instrumentation for quantitative chemical analysis
- Hands-on experience with modern techniques in biotechnology for protein purification and identification, bacterial cultivation, and taxonomic identification

What is Internship?

The internship process enables students to complement their classroom studies with a period of related work experience.

Students are eager to work hard, learn and contribute their knowledge and skills to the success of your organization. They require an orientation to the position, regular supervision, and some guided performance feedback at the mid and end points of the work term. A co-op field instructor will meet with you and the student during the work term.

How will my Organization Benefit?

- Prescreened job applicants
- Motivated employees
- A tool to recruit future employees
- Cost effective hiring
- Temporary staff
- Special skills
- Flexible staffing for special projects
- Responsive to employers' needs



Education that works!

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Student Availability

Students are available for an internship work term (minimum 300 hours) after completion of all of the program courses in the two year program. This is usually between May – August. As students have completed their program, they may be able to work beyond August.

“Scott has been a fantastic addition to our team. While he is naturally hard working and diligent, he also has the skills and training to focus these attributes in the best way. His attention to detail and willingness to go beyond the minimum set him apart.

*Neil Dangerfield, Research Technician
Institute of Ocean Sciences, Sidney, B.C.*

I was very pleased to have Chia Chin join our research group where she worked as a research assistant to several graduate students. Her skill acquisition during her time at Camosun College prepared her well for laboratory work. She was technically superior to any other 2nd year student that has either volunteered or worked in my laboratory over the past 8 years. Her technical skill was a genuine asset to several students, as she could reliably prepare starting materials and she helped to move the research program forward.

*Laurel L. Schafer, Associate Professor
Department of Chemistry
University of British Columbia*

Contact Information

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For further information on our facilities and equipment, please visit our website: camosun.ca/learn/programs/acbt/



Get involved!

Contact the Co-op Staff

PHONE 250-370-3425

A member of the co-op staff will assist you to determine your needs, answer any questions you may have, and work with you to develop a job description for posting.

We Post, then you Interview

Your job description will be posted for all qualified co-op students in the appropriate program(s). At the end of the posting period, (typically one week), the co-op staff will forward the resumes of interested students to you. When you have shortlisted the applicants, the co-op staff will arrange an interview schedule to suit your needs. Interview space is available on campus for your convenience.

Select a Co-op Student

If you find a suitable candidate for the position you have posted, the co-op staff will assist you in extending an offer of employment and confirming details and conditions of the position.