



Civil Engineering Technology

Program Information

The Civil Engineering Technology diploma with optional co-op education is a two and a half year program designed to produce graduates with a broad understanding of all aspects of civil engineering including the design and construction of buildings, highways, subdivisions, and water and sewage treatment plants.

This nationally accredited diploma program will stress the use of microcomputers in the solution of civil engineering problems. Students are introduced to computer-aided design and drafting techniques and computer-based design systems for urban planning, structures, highways, water and water/waste management and all aspects of project management. It includes surveying using state-of-the-art technology and all aspects of project management.

Students gain skills and competence in the following areas:

- **Drafting and CAD:** producing design drawings for structural, municipal and highways projects using AutoCAD, with Land

Development Desktop and/or Civil 3D; completing as-built drawings; updating base plans; plotting road and construction drawings; using and defining engineering templates and standards

- **Surveying:** using electronic station and other surveying instruments; conducting land surveys and construction lay-out; downloading and manipulating survey data in AutoCAD
- **Materials Testing:** performing soil, concrete, and asphalt tests; assisting in soils engineering and foundation design; determining engineering properties of soils and structural components
- **Designing:** planning and producing municipal, structural, and highway designs; producing intersection design and pump station design; completing road and services layout; performing cost estimates
- **Performing Field Services:** facilities planning; managing construction projects; performing site inspections and field testing; undertaking cross-connection surveys and traffic surveys
- **Supporting Environmental Aspects:** managing water and waste water; minimizing environmental impact from development; working with local agencies



What is Co-operative Education?

Co-operative education combines classroom study with periods of related work experience. Students alternate between academic studies and paid employment with co-operating employers in business, industry and government.

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!

Get involved!

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Student Availability

Students are available for three or six month work terms as outlined in the schedule below. There is some flexibility around start dates and length of the work term.

Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
Academic Term 1	Academic Term 2	Academic Term 3	Work Term 1
Academic Term 4	Work Term 2	Academic Term 5	Work Term 3
Work Term 3	Academic Term 6		

Education that works!

Contact the Co-op Staff

PHONE 250-370-4410
A member of the co-op staff will assist you to determine your co-op needs, answer any questions you may have, and work with you to develop a job description for posting. Employers set the salary for co-op students based on fair market wage.

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.

We have always found co-op students from Camosun College to have sound academic knowledge and to be eager to learn. The co-op program prepares graduates with the necessary experience to help them with their career choices and provide employers with desirable candidates to fill their needs.

— Victor Chen, ASCT, Manager, Engineering Construction, City of Langford

“[The student] is exceeding all expectations. He is professional, a quick learner, and extremely innovative.”

— Russell Baker, Projects Superintendent, BC Buildings Corporation, Victoria, BC

“CRD Water has supported the co-op program for eight years. We have found that all co-op students come prepared with the skill set necessary to be productive.”

— Kelly Sinclair, Senior Technical Manager, Capital Regional District, Water Department, Victoria, BC

Contact Information

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