



## Okanagan College – Penticton Campus

### The Program

SCMT is a forward-thinking program designed to enable, empower and inspire the emerging generation of construction managers and technologists to deliver true sustainable development. The program will provide learners with the technical, business and interpersonal skills required to effectively manage construction projects of varying size and complexity, emphasizing sustainable design principles. Students will develop the technical knowledge and skills required to construct all scales of infrastructure projects - from planning through to completion. Students will also learn to estimate material requirements, costs, schedule and manage construction projects.

The graduating students will play a leading role in the construction industry - both in Canada and internationally - to deliver projects that achieve high sustainability performance and contribute to the economic, environmental, and social well-being of communities. There will be a wide choice of career opportunities as a site superintendent, general contractor, subcontractor, material supplier, field coordinator, quantity surveyor, estimator, inspector, project manager, scheduler or contract manager. The business elements of the program may also offer opportunities to establish a new construction company - one that specializes in sustainable development and construction.

### What are the Benefits to Employers?

- An opportunity to evaluate employees without an obligation to permanent employment
- A proven cost effective method of meeting human resources needs
- Co-op students are available: **May - August** (with opportunities for part-time work during the year)
- Graduates are available in **May**
- Access to a pool of motivated, temporary employees for special projects, peak periods, vacation relief, and coverage without costly advertising

### Hire an Okanagan College Co-op Student

Email your job posting to [coop@okanagan.bc.ca](mailto:coop@okanagan.bc.ca) or call 250-862-5412



### Recommended Co-op Schedule for SCMT

Year	September - December	January – April	May - August
1	Academic Term 1	Academic Term 2	Work Term
2	Academic Term 3	Academic Term 4	Graduation

### Program Structure

In consultation with industry-experienced practitioners, both internal and external, the SCMT program has been designed with five major themes which address the important aspects of the built environment. The five themes are as follows:

- Building Studies
- Commercial Studies
- Sustainability Studies
- Core Studies
- Projects

#### YEAR 1 - Fall Term

Surveying in Construction  
 Construction Measurements and Drafting  
 Sustainability and Ethics in Construction  
 Construction Methods I  
 Sustainability and the Built Environment  
 Computing Applications I  
 Technical Writing and Communications I  
 Mathematics for SCMT

#### Year 1 - Fall Term

Lean Construction  
 Quantity Surveying and Estimating II  
 Conflicts in Construction  
 Sustainable Materials  
 Greening Existing Infrastructure  
 Renewable Energy Technologies  
 Project Planning  
 Statics and Strengths of Materials I

#### YEAR 2 - Winter Term

Quantity Surveying and Estimating I  
 Scheduling & Cost Control  
 Procurement Process  
 Construction Methods II  
 Sustainability Assessments  
 Green Building Principles  
 Sustainable Methods and Technologies  
 Management Principles

#### Year 2 - Winter Term

Leadership and Innovation  
 Sustainable Business Case  
 Sustainable Design and Development  
 Regenerative Design  
 Project Delivery  
 Construction Law  
 Technical Writing and Communications II  
 Human Resources Management

