SUSTAINABLE CONSTRUCTION MANAGEMENT TECHNOLOGY

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 or call 250-862-5412
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

Recommended Co-op Schedule for SCMT

<table>
<thead>
<tr>
<th>Year</th>
<th>September - December</th>
<th>January – April</th>
<th>May - August</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Academic Term 1</td>
<td>Academic Term 2</td>
<td>Work Term</td>
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<tr>
<td>2</td>
<td>Academic Term 3</td>
<td>Academic Term 4</td>
<td>Graduation</td>
</tr>
</tbody>
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**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

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