

EDUCATION IN SUSTAINABLE BUILT ENVIRONMENTS

School of Construction and the Environment

British Columbia Institute of Technology

bcit.ca/construction



The School of Construction and the Environment is concerned with the natural environment, the built environment and the relationship between them. These courses explore the sustainable built environment.

Architectural Science and Interior Design

- > ARSC 4050 – Wood Design www.bcit.ca/arsc4050
- > ARSC 7200 - Sustainable Design www.bcit.ca/arsc7200
- > INTD 1115 - Base Building Materials www.bcit.ca/intd1115
- > INTD 3310 - Materials and Environmental Factors www.bcit.ca/intd3310

Building Science

- > BLDC 1950 - Site-Responsive Planning & Design www.bcit.ca/bldc1950
- > BLDG 4515 - Green Building Principles www.bcit.ca/bldg4515
- > BLDT 1081 - Introduction to Green Building Construction Practices www.bcit.ca/bldt1081
- > BSCI 7200 Acoustical Science and Ecology www.bcit.ca/bsci7200
- > BSCI 9020 - Building Materials www.bcit.ca/bsci9020
- > BSCI 9060 - Advanced Acoustics www.bcit.ca/bsci9060

Construction Management

- > CMGT 7640 - Environmental Issues in Construction 1 www.bcit.ca/cmgt7640
- > CMGT 7650 - Environmental Issues in Construction 2 www.bcit.ca/cmgt7650

Civil and Environmental Engineering

- > EENG 7200 - Principles of Sustainability www.bcit.ca/eeng7200
- > EENG 7298 – Industrial Ecology for Business <http://www.bcit.ca/eeng7298>
- > EENG 8220 - Foundations of Sustainable Energy www.bcit.ca/eeng8220
- > EENG 8221 - Introduction to Green Buildings & Infrastructure www.bcit.ca/eeng8221

Ecological Restoration and Natural Areas Management

- > RENR 2100 - Ecosystem Classification www.bcit.ca/rejr2100
- > RENR 3190 - Environmental Monitoring www.bcit.ca/rejr3190



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- > RENR 7002 - Environmental Assessment www.bcit.ca/renr7002
- > RENR 8001 - Population and Community Ecology www.bcit.ca/renr8001
- > RENR 8101 - Terrestrial Ecosystem Restoration www.bcit.ca/renr8101
- > RENR 8102 - Restoration of Freshwater Aquatic Ecosystems www.bcit.ca/renr8102
- > RENR 8201 - Terrain and Stream Channel Assessment for Ecological Restoration www.bcit.ca/renr8201
- > SRMT 1200 - Sustainable Resource Management in B.C. www.bcit.ca/srmt1200

Energy Management and Renewable Energy Technologies

- > CESA 5300 - Energy Systems www.bcit.ca/cesa5300*
- > CESA 5850 - Strategic Planning for Energy Management www.bcit.ca/cesa5850 *

Geographic Information Systems

- > GIST 7108 Fundamentals of Mapping <http://www.bcit.ca/study/courses/gist7108>*
- > GIST 8118 Remote Sensing <http://www.bcit.ca/study/courses/gist7108>*

Green Roofs and Living Walls

- > GROW 0001 Green Roofs – Concepts, Systems and Incentives www.bcit.ca/grow0001
- > GROW 1000 - Green Roofs - Details, Installation and Maintenance www.bcit.ca/grow1000
- > GROW 1500 - Green Walls—Design, Site Logistics and Implementation www.bcit.ca/grow1500
- > GROW 2000 - Green Roofs www.bcit.ca/grow2000
- > GROW 3000 - Green Roofs & Living Walls for Environmental Solutions www.bcit.ca/grow3000

Health and Wellbeing

- > HLED 7140 - Leading Sustainability in Health Care www.bcit.ca/hled7140*

Sustainable Business Leadership

- > BSUS 7010 – Cooperatives and Community Based Economic Development www.bcit.ca/bsus7010
- > ECON 7100 – Ecological Economics www.bcit.ca/econ7100

Sustainable Urban Development

- > MSYS 3065 – LEED Standards and Applications www.bcit.ca/msys3065
- > SUST 7100 - Dimensions of Sustainability: An Introduction to Sustainable Urban Development www.bcit.ca/sust7100

** Courses are offered online or can be modified for online delivery.*

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