Low-Carbon Building Skills

Advancing collaborative tools and knowledge to strengthen training and technical capacity in low-carbon building skills.

What is Low-carbon?
Low-carbon building involves designing, constructing, operating, maintaining, and removing buildings in ways that conserve natural resources and reduce Greenhouse Gas (GHG) emissions.

A Low-Carbon Economy
To successfully move towards a low-carbon economy, we require tradespeople who are involved in the design, construction, maintenance, and operation of buildings, who understand the industrial and construction sectors, and are trained in low-carbon building skills.

Learn More!
The modules offered on this site cover content supporting low-carbon building skills. If you are a professor of a College in Ontario, you will be granted access to these modules with verification of your post-secondary email address.

If you teach at a private post-secondary institution, please contact us to inquire about access approval.
Access to content through login is supported in Chrome and Firefox, but not in Internet Explorer.

Modules
Introduction to Energy Systems

In this module, students become familiar with energy systems and the socio-environmental impact of energy systems. Concepts and technologies to convert energy sources to electricity are discussed. Students also learn about renewable energy sources and the concepts to utilize renewable energy systems.

Enter your college email below to see the course outline and modules.

Submit Form
Low Carbon Building Skills Modules

- Applied Chemical and Environmental Sciences
- Architectural Technology
- Building Environmental Systems Operator Certificate courses
- Mechanical and Electrical Engineering Technology

**Mechanical and Electrical Engineering Technology Degree Courses**
- Introduction to Energy Systems
- Applied Thermodynamics and Heat Transfer
- Alternative Energy Systems
- HVAC Systems
- Emerging Energy Systems

**Mechanical and Electrical Engineering Technology Diploma/Certificate**
- Energy systems 1
- Energy systems 2
- HVAC
- Power and Energy Systems
- Environmental systems
- Energy Management