

SUSTAINABLE BUILDING CERTIFICATE PROGRAM

Sustainable Building Technology

This certificate provides students with the knowledge and skills needed for entry-level employment in the growing renewable energy/energy efficiency field. Courses provide knowledge and skills to promote the design, construction and retrofitting of buildings that enhance the health, safety and efficiency of people and the local and global environments.

Program Outcomes

Successful graduates will be able to:

- understand and apply elements of building science, including construction, maintenance, safety and energy efficiency, to evaluate the health and durability of a building;
- employ theories of environmental physics, systems design concepts, and an awareness of sustainability to promote the design, construction and retrofit of buildings that reduce energy consumption, protect ecosystems and promote occupant health and safety;
- demonstrate proficiency in effective communication orally and in writing, addressing groups of people, eliciting the cooperation of others and understanding information; and
- explore pathways for educational and career development in the student's field of study.

Total Credits 28



Required Courses

All courses are 3 credits unless specified.

- First Semester Seminar (INT-1050 or INT-1060)
- ENV-1010 - Introduction to Environmental Science
- ENV-1310 - Sustainable Buildings
- ARC-1011 - Introduction to Drafting & Blueprint Reading
- ARC-1211 - CAD I
- PHY-2025 - Physics for the Environment (4 cr)
- ENG-1070 - Effective Speaking
- BUS-2230 - Principles of Marketing or BUS-2430 - Small Business Marketing
- BUS-2020 - Principles of Management or BUS-2210 - Small Business Management

COMMUNITY COLLEGE
CCV
OF VERMONT

**For more information visit www.ccv.edu,
or call your local CCV office.**

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Check out CCV's associate degree programs
at www.ccv.edu/degree_programs

Certificate students must demonstrate basic skills
proficiency appropriate for their specific program.