

CERTIFICATE

GREEN BUILDING SYSTEMS

(19 hrs. min.)

CIP: 03.0101

This program provides learners with knowledge and skills needed for entry-level positions in the green building construction industry. Students focus on computer-aided drafting and modeling, traditional construction skills and an emphasis on “green” practices to provide foundational learning that incorporates technology and sustainability into applied vocational skills. During completion of the program of study, students must gain employment in the construction field and incorporate their learning in “hands-on” practice. A successful completer will be qualified to gain employment as both an entry-level office and field technician.

PROGRAM OUTCOMES:

Upon successful completion of this program, students will be able to:

- Create, interpret and analyze construction documents related to residential construction documents related to building and improvement projects using conventional and computer-aided modeling methods.
- Identify and explain fundamental “green building” and sustainability strategies in relationship to construction projects.
- Explain and illustrate building methods and components, especially those that have improvable environmental impact.
- Apply practical skills and knowledge while working on residential construction projects.

CORE REQUIREMENTS: (16 HRS.)

BLDG 225	Green Building Policies, Codes and Incentives (2)
BLDG 227	Concepts of LEED Certification (2)
ENVR 111	Introduction to Sustainability (3)
ENVR 112	Introduction to Sustainable Energy Technologies (3)
ENVR 117	Introduction to Green Building Systems (3)
ENVR 122	Energy Efficiency and Management (3)

RELATED REQUIREMENTS (3 HRS.)

ARCH 212	Urban Design-Greening our Communities (3)
[or]	
BSAD 250	The Business of Sustainability (3)

Note: See “College Success Course Requirement” on Page 8.

TOTAL 19 CREDITS