

Program Information

Program Name	Class Code	Clock Hours	Weeks	Program Tuition
Green Building Construction Skills	GBC30	900	30	\$14,249

Program Objectives

This program will prepare students to perform the duties and responsibilities required by entry-level positions in the building maintenance and the solar energy systems fields, such as plumbing helper-installer, carpenter (construction) helper, electrician helper, plumber helper, and solar energy systems installer. Students will learn construction related math, OSHA-based safety standards, carpentry, electrical skills, plumbing, exterior and interior finish, and basic photovoltaics (PV). Students will also learn fundamentals of energy transfer, energy systems within a home, the “home as a system” concept, what factors impact comfort and efficiency, and how to conduct an energy survey. Additionally, students will demonstrate proficiency in customer service, the use of the internet, and job search skills. Upon completion, students will have the option to take the ESCO’s Green Awareness exam.

Methods of Instruction

This program will be taught through a combination of lectures, hands-on classroom/shop/lab projects, small group, and individual projects.

Methods of Evaluation

Students will be evaluated using a variety of traditional methods including, but not limited to, performance evaluations. CET does not allow the use of notes, open book, computer or laptop, and cell phones while testing, else authorized by the CET Education Department following industry standards.

Scoring Criteria

Students will be required to pass each competency evaluation with a minimum passing score of 70%.

Graduation Requirements

To be eligible for a Graduation Certificate, students must complete 100% of the actual program hours, and must complete all program competencies within 100% and 150% of the scheduled program hours.

Toolkit Voucher

Students in this program become eligible to receive a voucher to purchase program related tools upon completing more than 60% of the program. The voucher is **only to purchase tools related to the field**. The student is responsible for safeguarding the voucher and purchased tools; replacements are not issued for lost or stolen vouchers or tools.

Instructional Materials and Uniforms

The cost of required program books is included in the tuition. In some programs, students may receive two uniform items and protective equipment. Students may purchase additional uniform items. Through utilization of bulk purchasing practices, non-profit pricing opportunities, and the customization of textbooks, CET is able to provide books to

Program Competencies		Hours
1.	Introduction to Carpentry	60
2.	Construction Math	90
3.	Rough Carpentry	90
4.	Electrical Skills I	90
5.	Electrical Skills II	120
6.	Plumbing Skills I	60
7.	Plumbing Skills II	90
8.	Exterior & Interior Finish	90
9.	Basic Photovoltaics	150
10.	Job Preparedness	30
11.	Customer Service Skills	10
12.	Basic Computer Skills	20
Total Hours of Instruction		900

Because instruction is personalized, competency completion time may vary among students.

students at below competitive market rates. Prices may change without notice.

Note: Students who receive federal financial aid may have the right to opt out of having CET provide books, toolkits, and uniforms, and choose to purchase these items on their own. This cost will be deducted from the published program tuition; students opting out must do so at enrollment or prior to the end of the 10-day cancellation period.

Students may not opt out of purchasing books that have been customized for CET training programs and PPE, which has been approved to meet industry health and safety standards. Students will be required to sign a statement of receipt for issued items. For more information, see page 18 of the Student Catalog.

Instructional Equipment

Students will have access to a variety of carpentry, electrical, plumbing, and solar equipment, hand/power tools, and materials daily for training. Such equipment include, but are not limited to: irradiance meters, solar pathfinders, solar cell class set and associated components, solar water pumps, solar fountain kits, propane torches, pipe cutters, conduit benders, Rotto and framing hammers, compressors, tile saws, jig saws, hand compound and table saws, hoppers, nail guns, cordless, power and right angle drills, Pex crimpers, speed squares, tape measures, a grinder, tape measures, chalk boxes, spray rig, Bacharach portable gas leak detector, Fyrite tech analyzers, Wizard Stick Air Leak Indicator, and an assortment of hand tools, tool sets, and accessories used in the technical aspect of each trade.

Program Schedule

Schedule for GBC30: M – F, 8am – 3pm