

## Evening Classes Spring Quarter 2011:

1. Level 1 Commercial Energy Auditing
2. High Performance Buildings: The Integration of Science & Sustainability
3. Controls: Basics of Building Automation

*Grant-funded training available for qualified applicants.*

*Course Details on the back!*



## Open House

*Find out which course is right for you!*  
**February 24th at 6 p.m.**

South Seattle Community College,  
Georgetown Campus, Building C  
6737 Corson Ave. S.  
Seattle, Washington 98108

Up-to-date program information at  
<http://georgetown.seattlecolleges.edu/>

### Questions? Want to sign up?

Please contact:

**Bob Falk:**

**206-443-9999, ext: 112**

**bob@tracassoc.com**

Questions about course details?

Please contact:

Judy Burkhart

[jburkhart@sccd.ctc.edu](mailto:jburkhart@sccd.ctc.edu)

206-768-6661

OR

Ellen Gordon

[egordon@sccd.ctc.edu](mailto:egordon@sccd.ctc.edu)

206-768-6653

### Are you eligible?

1. 18 or older
2. Registered with Selective Service (for men born in 1960 or later) or have entered the U.S. after age 26
3. Eligible to work in the United States
4. Need training related to the energy efficiency or renewable energy industries
5. A current resume or ability to create a resume

*Limited Spaces available.*

*Priority will be given to veterans and eligible spouses.*

# Building Science Certificate Program

## High Performance Buildings: The Integration of Science & Sustainability

**Schedule:** April 5—May 3, Tuesdays & Thursdays 5pm—9pm;  
Saturday April 16, 8:30am—4:30pm

**Description:** This 4 credit course provides an overview of the terms & technology used to define high performance building and sustainability function. It is intended to provide building decision makers and students with an understanding of current and future jobs and job functions associated with building sustainability management and guide their future career choices. During this course students will review the LEED-EBOM process and fill out a LEED checklist for a specific project. They will also be introduced to the ENERGY STAR Portfolio Manager and learn to input facility and utility data. The course includes a final project (due one week after the last class) to document a building's sustainability status.

**Upon completion, students will:** be able to perform a facility sustainability audit, fill out LEED EBOM checklists and create a basic ENERGY STAR portfolio.

**Pre-requisites:** COMPASS W=77 R=83 or transcript showing 2.0 GPA in equivalent English class. Course requires high school level algebra and computer proficiency. Knowledge of Excel is required. Students will be required to pass assessment tests in math and computer skills. Exceptions by permission of the instructor.

## Level 1 Commercial Energy Auditing

**Schedule:** April 4—June 29, Mondays & Wednesdays 5pm—9pm, Saturdays 8:30am—4:30pm  
(No classes on April 9, 16, May 7, 28, 30, and June 4.)

**Description:** This 11 credit course combines class and field study to teach the basics of auditing a commercial facility for energy use. It includes curriculum that is certification-based for systems. The successful graduate will be able to assess and report on the status of energy use for simple commercial buildings and recommend a path forward for further investigation, upgrade and improvement.

**Upon completion, students will:** be able to create, review and assess existing ENERGY STAR Portfolio Manager files, perform basic lighting audits, identify HVAC systems and controls and report field condition and performance issues. They will be able to provide meaningful data to an energy engineer.

**Pre-requisites:** COMPASS W=77 R=83 or transcript showing 2.0 GPA in equivalent English class. Course requires high school level algebra and computer proficiency including Excel, prior experience with basic energy calculations and basic financial data preparation for project proposals helpful. Ability to read blueprints is required. Students will be required to pass assessment tests in math, computer skills and blueprint reading. Students must be able to climb ladders. Exceptions by permission of the instructor.

## Controls: Basics of Building Automation

**Schedule:** May 17—June 30, Tuesdays & Thursdays 5pm—9pm

**Description:** This 4 credit course covers controls—the key to successful energy efficiency projects. Controls will become even more crucial to the success of project verification and measurement in achieving energy goals. This course takes an unconventional approach which will allow students to obtain industry-specific and industry-valued skill sets to enhance employment opportunities and advancement.

**Upon completion, students will:** be able to recommend building systems changes based upon assessment of controls analysis software via manipulation of the GUI.

**Pre-requisites:** COMPASS W=77 R=83 or transcript showing 2.0 GPA in equivalent English class. Course requires high school level algebra and computer proficiency. Ability to read blueprints is required. Students will be required to pass assessment tests in math, computer skills and blueprint reading. Exceptions by permission of the instructor.



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