

Career Certificate Program

SUSTAINABLE ENERGY: ENERGY AUDITOR

CREDITS

Program Information

The Career Certificate in Sustainable Energy Technology: Energy Auditor follows the Building Performance Institute's (BPI) certification programs and requirements. For more information, visit www.bpi.org.

Beginning with the BPI Building Analyst certification and continuing with the Envelope Professional certification, these programs provide a quick pathway to a career in the energy efficiency profession.

The course work follows the recommended BPI test knowledge lists and is provided to students through classroom lectures, group project work and hands-on field experiences in energy auditing and building analysis.

Upon successfully completing this series of courses, students should be able to:

- demonstrate an understanding of building science basic terms and definitions;
- explain building science principles of energy, air and moisture;
- demonstrate an understanding of combustion science;
- identify and describe building components;
- demonstrate an understanding of conservation strategies;
- explain comprehensive building assessment processes;
- describe design considerations for buildings and their systems;
- perform applied diagnostics and troubleshooting;
- demonstrate an understanding of comprehensive building assessment;
- describe appliances and lighting; and
- identify and describe personal safety and work practices.

Credit may be awarded to current holders of the BPI Professional Certification as a Building Analyst for SET 160; contact the Director of the Energy Institute for more information.

Transfer of Credits

Students who complete any courses included in one of the Sustainable Energy Career Certificates may apply those credits toward the Sustainable Energy Technology Certificate program or the A.A.S. program in Sustainable Energy: Green Technology. Visit the Energy Institute section of SCC's website for more information about the SCC Career Ladder in Sustainable Energy Technology.

FIRST SEMESTER

<input type="checkbox"/>	SET 101	Energy, The Environment and Society	3
<input type="checkbox"/>	SET 160	Building Energy Audit Technology	<u>5</u>
			8

SECOND SEMESTER

<input type="checkbox"/>	CAD 101	Technical Drawing and CAD	3
<input type="checkbox"/>	NET 133	Electrical Science	4
<input type="checkbox"/>	SET 161	Building Envelope Technology	<u>3</u>
			10

TOTAL CREDITS: **18**