

SUSTAINABLE ENERGY TECHNOLOGY*

Certificate of Specialization



It is anticipated that the philosophy of sustainable energy technology will be considered an integral part of the future of modern building construction and maintenance. Current and impending building projects will be centered on the ability of highly trained professionals to determine how to apply sustainable energy principles to new construction, retrofitting old buildings and managing existing facilities. Sustainable energy technology ensures that the decisions made concerning energy efficiency today do not negatively affect the environmental options of the future. Professionals who are well versed in sustainable energy technologies are able to take into consideration all aspects of efficiency and moderation in the use of new materials and existing energy projects. This 16-credit-hour Certificate of Specialization will create a sound foundation for any professional who wants to acquire the added knowledge needed to succeed in today's environmentally conscious world.

ABOUT THE PROGRAM

This program will provide students with the knowledge and skills required to work in the emerging field of sustainable energy technology. Students will become familiar with energy systems, construction fundamentals and sustainable design fundamentals. They will learn to evaluate building energy efficiency, examine building systems, and apply the principles and practices of sustainability to decision-making processes in all phases of building energy management and control.

This certificate will be beneficial to those pursuing entry-level energy technician positions and is ideal for any building professional who wants to add sustainability skills to their skill set. The schedule for this program is designed to accommodate working professionals. Graduates of this program will possess the

marketable skills needed to qualify them to work in the facility management, building commissioning, energy auditing and other energy-related occupations.

OPPORTUNITIES IN THIS FIELD

With greater frequency, training in sustainable energy will be incorporated into all facets of the energy technology decision-making process. Students interested in this field should have a strong desire to solve energy efficiency problems and be able to work with architects and engineers to improve buildings. Those who are interested in adding these skills will set themselves apart from others, leading to better quality job opportunities.

SALARY INFORMATION

Individual salaries vary by geographic location, education, experience and the type and size of the employer.

TUITION

Currently, district residents pay \$88 per credit hour. Additional fees may apply to some programs and courses.

FOR MORE INFORMATION

Contact:

Amy Sherwin, program coordinator at absherwin@stlcc.edu, 314-513-4315

Carla Jordan, cjordan55@stlcc.edu, 314-513-4633

YOU CAN EARN THIS CERTIFICATE AT:

Florissant Valley

You may take general education classes toward this certificate at any of our campuses or education centers.

**Pending approval by the Missouri Department of Higher Education*



Expanding Minds • Changing Lives

SUSTAINABLE ENERGY TECHNOLOGY*

Certificate of Specialization

Florissant Valley



Forest Park



Meramec



Wildwood



GETTING STARTED AT STLCC

1) Apply for Admission

Online, by mail/fax or in person at any campus.

2) Apply for Financial Aid

Apply for grants, scholarships, loans or work-study.

3) Complete Assessment

You may need to complete an assessment for placement in the proper level courses.

4) Get Advised

Meet with an advisor or career counselor. Attend a College Registration/Enrollment Workshop (CREW).

5) Get Connected

Access your MySTLCC ID and set up a secure password. Activate your student e-mail and log in to Banner Self-Service.

6) Register for Classes

Online, in person or via mail/fax.

7) Pay for Classes

Payment plan option is available.

8) Prepare for Class

Purchase books, attend New Student Success Orientation and get your STLCC OneCard student photo ID.

Visit www.stlcc.edu/Get_Started for details and important links.

Non-discrimination Statement

St. Louis Community College is committed to non-discrimination and equal opportunities in its admissions, educational programs, activities and employment regardless of race, color, creed, religion, sex, sexual orientation, national origin, ancestry, age, disability, genetic information or status as a disabled or Vietnam-era veteran and shall take action necessary to ensure non-discrimination.

Accommodations Statement

St. Louis Community College is committed to providing access and reasonable accommodations for individuals with disabilities. If you have accommodation needs, please contact the Access office at the campus where you are registering at least six weeks prior to the start of class to request accommodations. Event accommodation requests should be made with the event coordinator at least two working days prior to the event. Documentation of disability may be required.

CURRICULUM

Course Number	Course Title	Credit Hours
___PRD:102	Career Exploration	1
___GE:163	Construction Documents and Communication	2
___ME:162	Overview of Building Sustainability	1
___ME:261	Building Systems—A Holistic Approach	3
___ME:262	Energy Impact of Mechanical Products	3
___ME:263	Energy Control Systems	3
___ME:264	Energy Conservation Measurement and Auditing	3
Total Credits for Program:		16

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