(E70) Certificate

This program is geared for the individual who wants to obtain skills and be able to enter a career in Sustainable Technologies. This program provides entry-level skills in a variety of sustainable technologies.

Work and Employment

This program prepares students to enter the work force as green technology installers and entry level technicians. They will have knowledge in green energy, electrical, and control components and acquire troubleshooting skills on those components. Students completing this program may pursue certification in their field or continue in the Sustainable Technologies A.A.S. program. During the initial semester of enrollment in the program, students will be required to provide proof of successful completion of or pass the National Career Readiness Certificate (WorkKeys) exam. Those student who do not have proof of successful completion at the end of the first semester will be required to take the Certified Manufacturing Assistant course (IND 101) during the next semester.

Program Contacts at Sauk Valley Community College
Counseling Office, 815/835-6354
Christopher Carlson, Assistant Professor of HVAC, 815/835-6221;
Jeffrey Johnson, Assistant Instructor of Electronics, 815/835-6282;
Steven McPherson, Associate Professor of Electronics/Technology, 815/835-6347.

Major Field Requirements

- ENE 130 - Photovoltaics 3 Semester hour(s)
- ENE 140 - Solar Thermal Energy 3 Semester hour(s)
- ENE 145 - Geothermal Energy 3 Semester hour(s)
- ENE 150 - Energy Audit 3 Semester hour(s)
- ELT 160 - Fundamentals of Electricity 3 Semester hour(s)
- MAT 106 - Applied Mathematics 3 Semester hour(s)

Total Hours Required for Certificate: 18

Suggested Program

First Semester - Sem/Hrs:9

- ELT 160 - Fundamentals of Electricity 3 Semester hour(s)
- ENE 130 - Photovoltaics 3 Semester hour(s)
- MAT 106 - Applied Mathematics 3 Semester hour(s)

Second Semester - Sem/Hrs: 9

- ENE 140 - Solar Thermal Energy 3 Semester hour(s)
- ENE 145 - Geothermal Energy 3 Semester hour(s)
- ENE 150 - Energy Audit 3 Semester hour(s)

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