

## Luzerne County Community College

**Program Title:** Certificate of Specialization, Sustainable Energy Tech

**Goals/Objectives:** To prepare grads for employment with firms specializing in wind power, photovoltaic solar energy, etc.

**Description:**

The certificate program offers 32 credits. It includes what where existing engineering course offerings and two newly developed courses: SET 121 – Sustainable Energy Sources, and GET 101 – Technology & Society. The following courses comprise the curriculum:

MAT 111 – Technical Math (5 cr)  
EET 131 – DC Electricity (4 cr)  
GET 107 – Electronic Drafting (2 cr)  
ENG 101 – English Composition (3 cr)  
PHY 123 – Technical Physics (4 cr)  
EET 132 – AC Electricity (4 cr)  
GET 101 – Technology & Society (1 cr)  
SET 121 – Sustainable Energy Sources (3 cr)  
ASR 203 – Introduction to PLCs (3 cr)  
Elective (3 cr)

TOTAL 32 cr

**Evaluation Tools & Procedures:**

The college is tracking the number of students enrolling, graduating and obtaining employment in the field. We are also tracking the industry development to determine when LCCC should expand this general certificate program into associate degree programs.

**Results of Activity:**

The program was first offered in 2009-2010 at LCCC's Shamokin Center which is 80 miles from the college's main campus. The program will begin at the main campus Fall 2010.

**Resources and Other Related Information:**

More detailed information on the program can be found at:

<http://www.luzerne.edu/academics/catalog2009/degree.jsp?header=automan.jpg&code=SET&dept=1&sel=1&d=16>

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