

ENERGY GENERATION OPERATIONS



**MILFORD
CAMPUS**

Energy Generation Operations Program

- Developed to train workers in operation of:
 - Electrical utility power plants
 - Renewable fuels
 - Wind technicians and plant management
 - Bio-fuels
 - Traditional fuels
 - Nuclear
 - Fossil fuels (coal, natural gas, diesel)

Energy Generation Operations Program

- ENER Program is comprehensive
- First five quarters are core classes including required general education courses and skills needed by wind turbine technicians
- Final sixth quarter is a focus quarter
 - Bio-fuels
 - Fossil Fuels
 - Nuclear

Energy Generation Operations Program

- Additional types of energy-generating technologies will be easy to add to this program as needed including:
 - Solar
 - Hydrogen fuel cells
 - Geothermal
 - Future technologies
 - Internships are included

Energy Generation Operations Program

- Associate of Applied Science (two year) degree completed in 18 months
- Many of the courses are delivered online, others use hybrid delivery
- Lots of hands-on training
- Numerous site visits, field trips

Energy Generation Operations Program

- Job prospects:
 - Aging workforce is affecting all economic sectors
 - Energy sector particularly sensitive to these coming shortages due to critical infrastructure nature of this business
 - Energy sector careers are nearly recession-proof. These are careers that cannot be outsourced due to the local nature of the work.

Energy Generation Operations Program

- Graduates from SCC's unique new program are already working in the biofuels, fossil and nuclear generating industries.
- Average starting salary for our graduates is **\$22.50/hr**
- So far in 2014, we had 108 job postings and 23 graduates.

Energy Generation Operations Program

- Some employers so far include:
 - LES
 - NPPD
 - OPPD
 - Numerous Ethanol Plants
 - St. Elizabeth Hospital Heating and Cooling
 - UNL Heating and Cooling
 - Purina Pet Food Heating and Cooling
 - Black Hills Energy
 - Flint Hills Resources
 - Mid-American Energy
 - ADM (Archer Daniels Midlands)
 - Many others

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- Other employers of our graduates:
 - Water and sewage treatment plants
 - Pipeline operations
 - Pharmaceutical Manufacturing
 - Food Processing
 - Breweries
 - Oil refineries
 - Other industrial processing facilities



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Questions?