

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

Energy Generation Operations Program

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



ENERGY GENERATION OPERATIONS
Questions?