SCC’s program is the only one of its kind in the United States. Our unique control room simulator replicates real-time operations of a coal-fueled power plant, a gas turbine-power power plant and an electric transmission operations control center for an entire state! If you’re looking for a bright future with dozens of career opportunities, this is the program for you!

Industrial operations are a vital part of our world. Operators are responsible for controlling and maintaining the machines and processes necessary to create a wide range of critical products used by everyone. SCC’s Energy Generation Operations program provides students with training in multiple process systems, including electric energy generation, electrical distribution and transmission, water and wastewater treatment, pipeline operations, biofuels, chemical production, and many other critical industries.

SCC is the Right Choice

- A core curriculum and exceptional hands-on lab equipment will prepare you to successfully operate in a wide variety of industrial facilities.
- Our program will prepare you for a stable, high-paying career in the energy, water treatment and process industries.
- Learn the technologies and skills to manage complex, interrelated operations, allowing you to move energy around the nation.
- Gain hands-on experience in the fundamentals of electrical systems, motors, pumps, and fluid control.
- Apply your knowledge managing real-world simulators.
- If you choose the Nuclear focus, you can earn the Nuclear Uniform Curriculum Program (NUCP) certification from nearby Cooper Nuclear Station and the nuclear industry.
- If you choose the water and wastewater treatment options, you can take the state water treatment licensing exam to go into careers in municipal water treatment.

Career Options

- Facility operator at a plant for biofuels production, coal-fired power, heating-cooling, hydroelectric power, nuclear power, fertilizer plant, materials manufacturing plant, refinery, and water/wastewater treatment

Recent Graduates report a yearly average starting salary of $58,656