

MIDLANDS TECHNICAL COLLEGE

**Nuclear
Workforce Initiatives**

Nuclear Investment Today



The Opportunity

\$10+ billion investment in two new AP 1000 nuclear reactors at the South Carolina Eclectic & Gas V.C. Summer site in Fairfield County

The Workforce Need

The main workforce need identified by SCE&G was for Nuclear Operators

MTC's Response

MTC collaborated with South Carolina Electric and Gas (SCE&G) to identify and offer the specific training that the industry currently needs.

The college and SCE&G initially shared instructors as the curriculum was co-developed, as well as collaborated on Boot Camps for MTC students to gain experience at the V.C. Summer plant.

MTC recently opened the Engineering Technology and Sciences wing of the Center of Excellence for Technology. The new 82,000 square foot state-of-the-art facility houses Alternate Energy classrooms and labs, including the Nuclear Operator program.

MTC's Response

Midlands Technical College's Nuclear Systems Technology program is now certified as a Nuclear Uniform Curriculum by the Nuclear Energy Institute's Academy of Nuclear Training. This national certification assures the academic program meets the industry's highest standards.

MTC received three grants from the Nuclear Regulatory Commission (NRC) to develop curriculum and provide scholarships for the college's Nuclear Operator training program.

MTC was awarded an infrastructure grant from the US Department of Energy to establish the college's nuclear training labs.

MTC is a partner in a grant from the National Science Foundation (NSF) to house the Regional Center for Nuclear Education and Training (RCNET). The grant involves colleges across the country.

MTC Students

The MTC Nuclear Systems Technology program's current enrollment is 96 students. This is the optimum enrollment for the college's faculty and facilities.

MTC now has graduates in all of the area's nuclear power facilities and nuclear support industries. Many are working at SCE&G.

Graduates also find lucrative career positions in related fields across the region in additional industries including International Paper and Michelin.

Additional Areas of Training for SCE&G, Chicago Bridge and Iron and Westinghouse Careers

- Welder
- Electrician
- Pipefitter
- Chemical Operator



The Future