

SUSTAINABLE ENERGY CAREER ACADEMY

The **Sustainable Energy Career Academy (SECA)** offers a variety of certificate, diploma, and degree programs that train a diverse and highly skilled workforce for the burgeoning renewable energy sector of Louisiana. Career pathways within the academy are developed and adopted with industry support and as economic demand dictates from the State of Louisiana.

The first pathway within the academy, comprehensively prepares students to work as wind turbine technicians, who are skilled in installing, maintaining, and repairing offshore wind turbines. The Wind Energy Technology program adopts training practices, curricula, and certifications endorsed by the Global Wind Organisation (GWO), which is the internationally accepted industry standard for training professionals in wind energy production. This program continuously adopts additional GWO standards as they come online, keeping the program current with best practices and training demand. These standards ensure that Nunez-trained wind turbine technicians are confident, proficient, and ready to join the growing field of wind energy production in the Gulf of Mexico and beyond.

Currently employed wind turbine technicians may take courses through Nunez's Workforce division to recertify GWO credentials with refresher trainings or with additional certifications to their skillset. Incumbent workers in related industries considering a career change can also upskill and reskill by selecting GWO trainings that suit their employer's needs. For information on non-credit/workforce SECA training at Nunez Community College, contact the Workforce Development and Continuing Education Department.

Program Learning Outcomes

- a. Install, inspect, test, service, and repair wind turbine components
- b. Wear proper personal protection equipment (PPE), identify hazards, mitigate hazards, and safely climb towers
- c. Cognitively think and use deductive reasoning as well as manufacturer information while troubleshooting or maintaining a wind turbine
- d. Clearly and responsibly communicate appropriate information with stakeholders under minimal supervision

Available Certificates, Degrees, and GWO Certifications

- GWO Basic Safety Training
 - GWO Advanced Rescue Training
 - GWO Enhanced First Aid Training, CPR, First Aid
 - GWO Basic Technical Training
 - GWO Blade Repair
 - GWO Control of Hazardous Energy (CoHE), Lockout Tagout
 - GWO Lift Training
 - GWO Slinger Signaler
 - Wind Turbine Mechanics and Maintenance, Technical Diploma
 - Wind Energy Technology, Associate of Applied Science
- **Career and Technical Certificate, Offshore Safety and Survival**
 - GWO Basic Safety Training
 - GWO Advanced Rescue Training
 - GWO Enhanced First Aid Training, CPR, First Aid
 - **Technical Diploma, Wind Turbine Mechanics and Maintenance**
 - GWO Basic Safety Training
 - GWO Advanced Rescue Training
 - GWO Enhanced First Aid Training, CPR, First Aid
 - GWO Basic Technical Training
 - GWO Blade Repair
 - GWO Control of Hazardous Energy (CoHE), Lockout Tagout
 - GWO Lift Training
 - GWO Slinger Signaler
 - **Associate of Applied Science, Wind Energy Technology**