INDUSTRIAL ELECTRICITY CERTIFICATE IN APPLIED SCIENCE

Program Description

The Industrial Electricity program prepares students for employment in the electrical industry. Students will be able to plan, install, troubleshoot, and repair commercial and residential electrical systems. This program prepares students for entry-level jobs as an electrician. Training equipment used include various meter types, common hand and power tools, conduit benders, motor control trainers, and assorted wiring devices.

Vision Statement

The Industrial Electricity program will provide the college's local service area and the global economy of the construction industry with a pool of skilled, entry-level electrician positions, including residential wiring, as well as commercial/ industrial applications that are consistent with the industry workforce needs. Students will become skilled, knowledgeable, productive employees, and life-long learners.

Mission Statement

Students of the Industrial Electricity program will demonstrate building science fundamentals, construction management theories, and best practices through a practical "hands-on" and "real-world problem-solving" training curriculum that is consistent with the changing skill requirements of the construction industry. Students will demonstrate entry-level skills such as estimating, project management, scheduling writing, public speaking, blueprint reading, construction math, mechanical systems, and business law and ethics. Through planned evaluations from the program an advisory committee composed of representatives from local construction companies, the student will demonstrate professional skills of ethics and integrity while learning in a collaborative teamwork environment.

Entrance Requirements

High school diploma or GED not required

Type of Program

Day or Evening

Location

This program is located at Greenville Tech's Barton Campus.

Employment Opportunities

This program prepares students for entry-level electrician positions, including residential wiring, as well as commercial/industrial applications in the following areas:

- Electrical construction
- Repair
- Plant maintenance

Visit our web page at https://www.gvltec.edu/industrial-electricity/.

Recommended Program Schedule

Listed below is the ideal grouping of courses in order by semester. This plan assumes a full-time schedule. Note, however, that many variables can affect this plan, and not every course is offered every semester. Please see your advisor to map out your own personalized progression toward graduation.

Note: Please contact your advisor for recommended evening schedules.

First Semester		**Hours**
EEM 105	Basic Electricity	2
or ACR 106	Basic Electricity for HVAC/R	
EEM 140	National Electrical Code	3
	Total Semester Hours	**5**
Second Semester		
EEM 151	Motor Controls I	4
EEM 215	DC/AC Machines	3
	Total Semester Hours	**7**
Third Semester		
EEM 165	Residential/Commercial Wiring	4
EEM 166	Commercial/Industrial Wiring	4
	Total Semester Hours	**8**
	Total Required Credit Hours	**20**