

Electricity

Career Studies Certificate (C.S.C.)

Purpose

The purpose of the electricity is to provide students with the foundation to become effective electrical technicians.

Program Requirements and Special Conditions

Students must demonstrate proficiency in basic math and reading equivalent to MTT 2 and ENF 1 before enrolling in the program. Students must maintain a 2.0 GPA.

Program Learning Outcomes

- Students will be well versed in fundamental electrical theory
- Students will demonstrate safe and appropriate use of electrical equipment
- Students will possess in-depth knowledge of the National Electrical Code
- Students will be prepared for entry-level positions
- Students will be prepared with the required theory training for an electrician apprenticeship

Program Curriculum and Suggested Sequence of Courses

1st Semester	Credits	Course Options
ELE 118 Practical Electricity	2	
ELE 127 Residential Wiring Methods	3	
IND 103 Industrial Methods	2	
SAF 130 Industrial Safety – OSHA 10	1	
<i>Total Credits</i>	8	
2nd Semester	Credits	Course Options
ELE 131 National Electrical Code I	4	
ELE 149 Wiring Methods in Industry	3	
<i>Total Credits</i>	7	
3rd Semester	Credits	Course Options
ELE 132 National Electrical Code II	4	
ELE 156 Electrical Control Systems	3	
<i>Total Credits</i>	7	
Total Credits For Program	22	

Notes and Additional Curriculum Options

1. Part-time students should consult their faculty advisors regarding appropriate course sequences.

Certifications

Courses in this program may help students attain the following license(s) or certification(s):

- Journeyman Electrical Tradesman Licensure, Virginia Department of Professional and Occupational Regulation
- Master Electrical Tradesman, Virginia Department of Professional and Occupational Regulation

For Additional Information on this program, please contact the Academic Division at 757.789.1725.