

Electricity, Career Studies Certificate

Plan 221.941.01

Purpose

The purpose of the Electricity Career Studies Certificate is to provide students with the foundation to become effective electrical technicians. Students enrolled in the Career Studies Certificate may apply many of the credits earned to the college's Certificate in Industrial Technology.

Program Requirements and Special Conditions

Students must maintain a 2.0 GPA.

Program Learning Outcomes

Students will be able to:

- Use electrical equipment safely and appropriately.
- Apply National electrical code to industrial and residential wiring.
- Apply fundamental electrical theory to electrical and industrial wiring.

Program Curriculum and Suggested Sequence of Courses

1st Semester	Credits	Course Details
ELE 118 Practical Electricity	2	
ELE 127 Residential Wiring Methods	3	
ELE 131 National Electrical Code I	4	
IND 103 Industrial Methods	2	
SAF 130 Industrial Safety – OSHA 10	1	
<i>Total Credits</i>	<i>12</i>	
2nd Semester	Credits	Course Details
ELE 132 National Electrical Code II	4	
ELE 149 Wiring Methods in Industry	3	
ELE 156 Electrical Control Systems	3	
<i>Total Credits</i>	<i>10</i>	
Total Credits For Program	22	

Notes and Additional Curriculum Options

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
- 10-hour Construction Safety and Health, Occupational Safety and Health Administration