

## *Electrical Systems Technology Diploma (ES12)*

### DESCRIPTION

The Electrical Systems Technology program provides instruction in the inspection, maintenance, installation, and repair of electrical systems in the residential, commercial, and industrial industries. A combination of theory and practical application is emphasized to develop academic, technical, and professional knowledge and skills. Program graduates receive a diploma in Electrical Systems Technology with a specialization in residential or industrial applications.

### EMPLOYMENT OPPORTUNITIES

The Electrical Systems Technology program is intended to produce graduates who are prepared for employment as a residential, commercial, and/or industrial electrician.

### ADMISSIONS CRITERIA

1. Submit a completed application and application fee;
2. Be at least 16 years of age;
- Meet the following assessment requirements:

TEST	Reading	Writing	Numerical
COMPASS	70	32	26
SAT	430	NA	400
ACT	13	12	17

*Note: In order to graduate with an Electrical Construction and Maintenance diploma, a high school diploma or GED must be completed by the time course requirements are completed.*

### ELECTRICAL SYSTEMS TECHNOLOGY CURRICULUM

The curriculum for the Electrical Systems Technology diploma program is designed for the semester system. A student may enter the program during fall and spring semesters. To graduate, diploma-seeking students must earn a minimum of 55 semester credit hours. The program requires a minimum of 1162 contact hours and generally takes 4 semesters to complete.

<u>Program Courses</u>	<u>Credits</u>
<b>Basic Skills Courses</b>	<b>8</b>
ENGL 1010 - Fundamentals of English I	3
MATH 1012 - Foundations of Mathematics	3
EMPL 1000 - Interpersonal Relations and Professional Development	2
<b>Occupational Courses</b>	<b>47</b>
COMP 1000 – Introduction to Computers	3
IDFC 1007 – Industrial Safety Procedures	2
IDFC 1011 – Direct Current I	3
ELTR 1020 – Electrical Systems Basics I	3
ELTR 1060 – Electrical Prints, Schematics, and Symbols	3
ELTR 1080 – Commercial Wiring I	6
ELTR 1090 – Commercial Wiring II	6
ELTR 1110 – Electric Motors	4
ELTR 1120 – Variable Speed/Low Voltage Controls	2
ELTR 1180 – Electrical Controls	3

<b><i>Electrical Construction and Maintenance Specialization</i></b>	
ELTR 1205 – Residential Wiring I	4
ELTR 1210 – Residential Wiring II	4
<b>Choose a minimum of 4 credits from the following:</b>	
ELTR 1500 – Electrical Systems Technology/Internship/Practicum	3
ELTR 1520 – Grounding and Bonding	2
ELTR 1510 – Conduit Sizing	2
ELTR 1540 – Wire Pulling and Codes	3
ELTR 1525 – Photovoltaic Systems	5
<b><i>Industrial Electrical Technology Specialization</i></b>	
ELTR 1220 - Industrial PLC's	4
ELTR 1250 – Diagnostic Troubleshooting	2
ELTR 1260 - Transformers	3
ELTR 1270 – NEC Industrial Applications	3

*(OL) designation indicates course may be available online during selected semesters. \* "C" or higher grade is required for this course.*

#### **PROGRAM COSTS**

Tuition/Fees: \$4845

Books/Supplies: \$1,225

Course Supply Fees:

- IDFC 1011 Direct Current I: \$10
- ELTR 1020 Electrical Systems Basics I: \$10
- ELTR 1090 Commercial Wiring I: \$15
- ELTR 1110 Electric Motors: \$15
- ELTR 1120 Variable Speed Control: \$15
- ELTR 1180 Electrical Controls: \$15
- ELTR 1205 Residential Wiring I: \$15
- ELTR 1210 Residential Wiring II: \$15

*(Costs are estimates and are subject to change.)*

# TOP 10 REASONS

*why OTC is the right choice for you!*

1. Great-paying careers!
2. Strong **job placement!**
3. Affordable tuition with financial aid options you don't have to pay back!
4. Over 100 majors to choose from!
5. Flexible class scheduling: day, evening, and online classes!
6. Faculty with real-world experience
7. Hands-on learning
8. Small class sizes
9. An Associate's Degree, diploma, or certificate in less 2 years or less!
10. We **GUARANTEE** your education!

## GET STARTED TODAY!

1. Select a program! Free career counseling is available.
2. Review the Admissions Checklist and **APPLY** online at [www.ogeecheetech.edu](http://www.ogeecheetech.edu)!
3. Plan for expenses. You can view tuition and fees and available financial aid options online as well.

### **QUESTIONS:**

Contact Admissions at 912.688.6994 or via email at [enrollmentservices@ogeecheetech.edu](mailto:enrollmentservices@ogeecheetech.edu)!

Ogeechee Technical College does not discriminate on the basis of race, color, national origin, gender or disability. The following individuals have been designated to coordinate the College's implementation of nondiscrimination policies: Kelli Waters, Title IX Coordinator, Office 143D, JEK Building, 912.871.1885 and Penny Hendrix, ADA/Section 504 Coordinator, Office 171E, JEK Building, 912.486.7211.