

DURHAM TECHNICAL COMMUNITY COLLEGE PLAN OF STUDY

Revised Fall 2022  
6 Semesters

**ELECTRICAL SYSTEMS TECHNOLOGY  
Diploma (D35130)**

Catalog/Academic Year 2024-2025

**Key to symbols after some courses:**

\* Developmental courses may be required based on college placement and course requisites.

<sup>GE</sup> Fulfills the general education requirements for this degree.

**FALL SEMESTER**

Term A	Term B	16 Weeks	Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
X			BPR 111 Print Reading	1	2	0	2	
		X	ELC 112 DC/AC Electricity	3	6	0	5	
		X	ELC 113 Residential Wiring	2	6	0	4	
X			ELC 118 National Electrical Code	1	2	0	2	
		X	MAT 121 Algebra/Trigonometry I* <sup>GE</sup>	2	2	0	3	

**SPRING SEMESTER**

Term A	Term B	16 Weeks	Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
		X	ELC 115 Industrial Wiring	2	6	0	4	
		X	ELC 117 Motors and Controls	2	6	0	4	
		X	ELC 213 Instrumentation	3	2	0	4	

**SUMMER TERM**

8 Weeks	Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
X	ELC 128 Intro to PLC	2	3	0	3	
X	ELC 215 Electrical Maintenance	2	3	0	3	
X	ENG 111 Writing and Inquiry* <sup>GE</sup>	3	0	0	3	

**MINIMUM SEMESTER HOURS REQUIRED FOR DIPLOMA**

**37**

*For additional information about requirements and graduation, please refer to the [Curriculum Program Completion and Graduation](#) policy. Program-specific criteria may be found on the respective [Programs](#) page. For questions about this program, consult the Program Director or an advisor for assistance.*