

*School of Trade and Technology*

# Electrical Systems Technology Diploma ES12—44 Credit Hours

*Program Chair:* [john.ward@westgatech.edu](mailto:john.ward@westgatech.edu)

*Courses may rotate among the following locations:* Carroll

<input type="checkbox"/>	<p><b>**Learning Support Courses</b> (refer to Admissions evaluation). Examples include: ENGL 0998 and MATH 0091/1012 Not available online; courses must be completed on campus if student is provisional and not regular status.</p> <p><i>These courses are not calculated into students' institutional GPA. Learning support courses are individually assigned based on admissions testing results and program requirements. 0096 courses must be completed with the Adult Education department before starting college program—contact Admissions for questions regarding evaluations.</i></p>			
Semester 1	Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	ENGL 1010 (3)	Fundamentals of English I	Diploma program admission level writing and reading competency	
<input type="checkbox"/>	MATH 1012(3)	Foundations of Mathematics	Diploma program admission level math competency	
<input type="checkbox"/>	ELTR 1060 (2)	Electrical Prints, Schematics, and Symbols	None	
Semester 2	Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	ELTR 1080 (5)	Commercial Wiring I	None	
<input type="checkbox"/>	EMPL 1000 (2)	Interpersonal Relations and Professional Development	None	
<input type="checkbox"/>	IDFC 1007 (2)	Industrial Safety Procedures	None	
<input type="checkbox"/>	IDSY 1101 (3)	DC Circuit Analysis	None	

**\*\*First term suggestion:** All assigned learning support and/or ELTR 1060, MATH 1012, ENGL 1010

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Semester 3	Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	ELTR 1090 (3)	Commercial Wiring II	None	
<input type="checkbox"/>	ELTR 1540 (3)	Wire Pulling and Codes	None	
<input type="checkbox"/>	ELTR 1180 (4)	Electrical Controls	None	
<input type="checkbox"/>	IDSY 1105 (3)	AC Circuit Analysis	None	

**And Choose ONE of the following Specializations:**

### Electrical Construction Maintenance Specialization (10 Credits)

Complete	Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	ELTR 1205 (3)	Residential Wiring I	None	
<input type="checkbox"/>	ELTR 1210 (3)	Residential Wiring II	None	
<input type="checkbox"/>	ELTR 1525 (5)	Photovoltaic Systems	None	

**-OR-**

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<b>Industrial Electrical Technology Specialization (11 Credits)</b>				
Complete	Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	ELTR 1220 (4)	Industrial PLCs	None	
<input type="checkbox"/>	ELTR 1250 (2)	Diagnostic Troubleshooting	None	
<input type="checkbox"/>	ELTR 1270 (4)	NEC Industrial Wiring Applications	None	

This program is eligible for Federal Aid including Pell Grant and federal student loans and may be eligible for Institutional and State Financial Aid. Contact the Financial Aid office for eligibility requirements and application materials.

As set forth in its student catalog, West Georgia Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, or citizenship status (except in those special circumstances permitted or mandated by law).