



Electrical Systems Technology Diploma (ES12)- 42 Credit Hours Industrial Electrical Specialization

Program Description:

The Electrical Systems Technology diploma 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.

Graduates may find employment with a number of firms both small and large. Local residential/commercial electrical contractors as well as larger manufacturing businesses or industries will continue to have a need for individuals with basic skills in electricity. Program graduates have the qualifications of entry level electricians. Salaries in this occupation are estimated to range from \$37,440 - \$47,200 per year (BLS.gov May 2022).

Contact:

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770-836-4706
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Website:

<https://www.westgatech.edu/program-explorer/Electrical-Construction-and-Maintenance/>

Campus:

Carroll campus

Set the Track, Start the Track, Stay on Track

Meet with an Advising Coach to Stay on Track. S = Semester; CR = Credit Hours; FA = Fall; SP = Spring; SU = Summer; ALL=any semester

✓	Grade	Semester 1	S	CR	Notes & Milestones Prerequisite must be passed with a "C" or higher
		IDFC 1007 Industrial Safety Procedures	FA, SP	2	
		ELTR 1060 Electrical Prints, Schematics, and Symbols	FA, SP	2	
		IDSY 1101 DC Circuit Analysis	ALL	3	
		IDSY 1105 AC Circuit Analysis	FA, SP	3	
				10	Program Semester Hours
✓	Grade	Semester 2	S	CR	Notes & Milestones Prerequisite must be passed with a "C" or higher
		MATH 1012 Foundations of Mathematics	ALL	3	
		ELTR 1080 Commercial Wiring I	FA, SP	4	
		ELTR 1220 Industrial PLCs	FA	4	
		ENGL 1010 Fundamental of English	ALL	3	
				14	Program Semester Hours
✓	Grade	Semester 3	S	CR	Notes & Milestones Prerequisite must be passed with a "C" or higher
		ELTR 1090 Commercial Wiring II	ALL	3	
		ELTR 1250 Diagnostic Troubleshooting	SU	2	
		EMPL 1000 Interpersonal Relations and Professional Development	ALL	2	
				7	Program Semester Hours
✓	Grade	Semester 4	S	CR	Notes & Milestones Prerequisite must be passed with a "C" or higher
		ELTR 1270 NEC Industrial Wiring Applications	SP	4	
		ELTR 1180 Electrical Controls	ALL	4	
		ELTR 1540 Wire Pulling and Codes	ALL	3	
				11	Program Semester Hours

Always check online <https://www.westgatech.edu/> and meet with your Advising or Faculty Coach to ensure you are viewing the latest and most accurate information.

Employment Opportunities: <https://www.westgatech.edu/student-life/career-services/>

Financial Aid by Program: <https://www.westgatech.edu/financial-aid/types-of-aid/>

As set forth in its student catalog, West Georgia Technical College complies with the Technical College System of Georgia (TCSG). The TCSG State Board prohibits discrimination on the basis of an individual's age, color, disability, genetic information, national origin, race, religion, sex, or veteran status ("protected status"). No individual shall be excluded from participation in, denied the benefits of, or otherwise subjected to unlawful discrimination, harassment, or retaliation under, any TCSG program or activity because of the individual's protected status; nor shall any individual be given preferential treatment because of the individual's protected status, except the preferential treatment may be given on the basis of veteran status when appropriate under federal or state law. The following person(s) has been designated to manage inquiries regarding the nondiscrimination policies: Equity (Title IX) Coordinator: Melinda Hofius, Assistant Vice President of Student Affairs 770.537.5722, 176 Murphy Campus Blvd., Waco, GA 30182; ADA (Section 504) Coordinators: Students: Zelma Jones, Career and Student Support Services Director, 770.824.5245, 176 Murphy Campus Blvd., Waco, GA 30182, Student504@westgatech.edu, Employees: Teresa Jiles, Assistant Director of Human Resources, 770.537.6056, 176 Murphy Campus Blvd., Waco, GA 30182, wgtcHR@westgatech.edu.