



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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Website:

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

Pre-Diploma Requirements					
Program Specific					
<ul style="list-style-type: none"> • Min GPA 2.0 • Carrollton campus 					
Set the Track, Start the Track, Stay on Track					
<i>Meet with an Advising Coach to Stay on Track. S = Semester; CR = Credit Hours; FA = Fall; SP = Spring; SU = Summer; ALL=any semester</i>					
✓	Grade	Semester 1	S	CR	Notes & Milestones
		IDFC 1007 Industrial Safety Procedures	FA, SP	2	
		ELTR 1060 Electrical Prints, Schematics, and Symbols	FA, SP	2	
		IDSY 1101 DC Circuit Analysis	FA, SP	3	
		MATH 1012 Foundations of Mathematics	ALL	3	
				10	Program Semester Hours
✓	Grade	Semester 2	S	CR	Notes & Milestones
		ELTR 1080 Commercial Wiring I	FA, SP	4	
		ELTR 1220 Industrial PLCs	FA	4	
		IDSY 1105 AC Circuit Analysis	FA, SP	3	
		ENGL 1010 Fundamental of English	ALL	3	
				14	Program Semester Hours
✓	Grade	Semester 3	S	CR	Notes & Milestones
		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 and Milestones
		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/wp-content/uploads/2019/02/WGTC-Available-Aid-By-Program-11-17-2023.pdf>

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