



## Electrical Systems Technology Diploma (ES12)- 43 Credit Hours

### Electrical Construction 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. Initial salaries are approximately \$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"> <li>Min GPA 2.0</li> <li>Carrollton campus</li> </ul>						
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		
		MATH 1012 Foundations of Mathematics	ALL	3		
		ELTR 1060 Electrical Prints, Schematics, and Symbols	FA, SP	2		
		IDSY 1101 DC Circuit Analysis	FA, SP	3		
				<b>10</b>	<b>Program Semester Hours</b>	
✓	Grade	Semester 2	S	CR	Notes & Milestones	
		ELTR 1080 Commercial Wiring I	FA, SP	4		
		ELTR 1205 Residential Wiring I	FA, SP	3		
		IDSY 1105 AC Circuit Analysis	FA, SP	3		
		ENGL 1010 Fundamentals of English I	ALL	3		
				<b>13</b>	<b>Program Semester Hours</b>	

✓	Grade	Semester 3	S	CR	Notes & Milestones
		ELTR 1090 Commercial Wiring II	ALL	3	
		ELTR 1210 Residential Wiring II	ALL	3	
		EMPL 1000 Interpersonal Relations and Professional Development	ALL	2	
				<b>8</b>	<b>Program Semester Hours</b>
✓	Grade	Semester 4	S	CR	Notes and Milestones
		ELTR 1180 Electronic Controls	ALL	4	
		ELTR 1540 Wire Pulling and Codes	ALL	3	
		ELTR 1525 Photovoltaic Systems	FA, SP	5	
				<b>12</b>	<b>Program Semester Hours</b>
Always check online <a href="https://www.westgatech.edu/">https://www.westgatech.edu/</a> 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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