# 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. *S*alaries in this occupation are estimated to range from $37,440 - $47,200 per year (BLS.gov May 2022).

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**Website:**
https://www.westgatech.edu/program-explorer/Electrical-Construction-and-Maintenance/

| Pre-Diploma Requirements |
|---|
| Program Specific |
| • Min GPA 2.0<br>• Carrollton 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 |
|---|---|---|---|---|---|
| | | 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