



## Electronics Technology Diploma (ET14)- 54 Credit Hours Industrial Electronics Technology Specialization

**Program Description:**

The Electronics Technology diploma program is a sequence of courses designed to prepare students for careers in electronics technology professions. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. Program graduates are to be competent in the general areas of communications, mathematics, computer literacy, and interpersonal relations. The program emphasizes a combination of electronics technology theory and practical application necessary for successful employment using both manual and computerized electronics systems. Graduates may find employment as specialized industrial or specialized general electronics technicians, assemblers, testers, repairers, and calibrators. Initial salaries are approximately \$47,200 per year. (BLS.gov May 2022)

**Contact:**

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**Website:**

<https://www.westgatech.edu/program-explorer/Electronics-and-Telecommunication/>

| <b>Pre-Diploma Requirements</b>   |       |   |     |           |                               |
|---|-------|---|-----|-----------|-------------------------------|
| Program Specific  |       |   |     |           |                               |
| <ul style="list-style-type: none"> <li>• Min GPA 2.0</li> <li>• Carrollton Campus</li> </ul>  |       |   |     |           |                               |
| <b>Set the Track, Start the Track, Stay on Track</b>  |       |   |     |           |                               |
| <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            |
|   |       | ELCR 1005 Soldering Technology  | ALL | 1         |                               |
|   |       | ELCR 1010 Direct Current Circuits   | ALL | 6         |                               |
|   |       | EMPL 1000 Interpersonal Relations and Professional Development                                    | ALL | 2         |                               |
|   |       | MATH 1012 Foundations of Mathematics  | ALL | 3         |                               |
|   |       |   |     | <b>12</b> | <b>Program Semester Hours</b> |
| ✓   | Grade | Semester 2  | S   | CR        | Notes & Milestones            |
|   |       | ELCR 1020 Alternating Current Circuits  | ALL | 7         | Prerequisite ELCR 1010        |
|   |       | ELCR 2600 Telecommunication and Data Coding<br>-OR-<br>CIST 1401 Computer Networking Fundamentals | ALL | 3         | Prerequisite ELCR 1010        |
|   |       | ENGL 1010 Fundamental of English  | ALL | 3         |                               |
|   |       |   |     | <b>13</b> | <b>Program Semester Hours</b> |

| ✓  | Grade | Semester 3  | S   | CR        | Notes & Milestones            |
|--|-------|---|-----|-----------|-------------------------------|
|  |       | ELCR 1030 Solid State Devices                     | ALL | 5         | Prerequisite ELCR 1020        |
|  |       | ELTR 1040 Digital and Microprocessor Fundamentals | ALL | 5         | Prerequisite ELCR 1020        |
|  |       | ELCT 2110 Process Control                         | ALL | 3         | Prerequisite ELCR 1020        |
|  |       | ELCR 2120 Motor Controls                          | ALL | 3         | Prerequisite ELCR 1020        |
|  |       |   |     | <b>16</b> | <b>Program Semester Hours</b> |
| ✓  | Grade | Semester 4  | S   | CR        | Notes and Milestones          |
|  |       | ELCR 2130 Programmable Controllers                | ALL | 3         | Prerequisite ELCR 1020        |
|  |       | ELCR 2140 Mechanical Devices                      | ALL | 2         |                               |
|  |       | ELCR 1060 Linear Integrated Circuits              | ALL | 3         | Prerequisites ELCR 1020       |
|  |       | ELCR 2150 Fluid Power                             | ALL | 2         |                               |
|  |       | ELCR 2160 Advanced Microprocessors and Robotics   | ALL | 3         | Prerequisite ELCR 1040        |
|  |       |   |     | <b>15</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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