



## Electronics Technology Degree (ET13)- 61 Credit Hours Industrial Electronics Technology Specialization

**Program Description:**

The Electronics Technology associate degree program is a sequence of courses designed to prepare students for careers in electronics professions. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. 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/>

Pre-Degree Requirements					
Program Specific					
<ul style="list-style-type: none"> <li>Min GPA 2.0</li> <li>Carrollton</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
		ELCR 1005 Soldering Technology	ALL	1	
		ELCR 1010 Direct Current Circuits	ALL	6	
		MATH 1111 College Algebra	ALL	3	
				<b>10</b>	<b>Program Semester Hours</b>
✓	Grade	Semester 2	S	CR	Notes & Milestones
		ELCR 1020 Alternating Current Circuits	ALL	7	Prerequisite ELCR 1010
		Additional 3 credits from AREA I, II, III, or IV	ALL	3	<a href="#">List of AREA I, II, III or IV courses</a>
		ENGL 1101 Composition and Rhetoric	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
		ELCT 2110 Process Control	ALL	3	Prerequisite ELCR 1020
		ELCR 2120 Motor Controls	ALL	3	Prerequisite ELCR 1020
		PSYC 1101 Introductory Psychology	ALL	3	
				<b>16</b>	<b>Program Semester Hours</b>
✓	Grade	Semester 4	S	CR	Notes and Milestones
		ELTR 1040 Digital and Microprocessor Fundamentals	ALL	5	Prerequisite ELCR 1020
		ELCR 2130 Programmable Controllers	ALL	3	Prerequisite ELCR 1020
		ELCR 2150 Fluid Power	ALL	2	
		ELCR 2140 Mechanical Devices	ALL	2	ELCR 2140 Mechanical Devices
				<b>12</b>	<b>Program Semester Hours</b>
✓	Grade	Semester 5	S	CR	Notes and Milestones
		ELCR 1060 Linear Integrated Circuits	ALL	3	Prerequisites ELCR 1020
		ELCR 2600 Telecommunications and Data Coding Or CIST 1401 Computer Networking Fundamentals			
		ELCR 2140 Mechanical Devices	ALL	2	
		ELCR 2160 Advanced Microprocessors and Robotics	ALL	3	ELCR 2160 Advanced Microprocessors and Robotics
		3 credits from AREA IV	ALL	3	<a href="#">List of AREA IV classes</a>
				<b>11</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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