

*School of Trade and Technology*

# Electrical Control Systems Diploma EC22—44 Credit Hours

*Program Chair: [john.ward@westgatech.edu](mailto:john.ward@westgatech.edu)*

*Courses may rotate among the following locations: Carroll and LaGrange*

<input type="checkbox"/>	<p><b>**Learning Support Courses</b> (refer to Admissions evaluation). Examples include: ENGL 0090, READ 0090, ENGL 0998 and MATH 0091/1012 Not available online; courses must be completed on campus if student is provisional and not regular status.</p> <p><i>These courses are not calculated into students' institutional GPA. Learning support courses are individually assigned based on admissions testing results and program requirements. 0096 courses must be completed with the Adult Education department before starting college program—contact Admissions for questions regarding evaluations.</i></p>			
Semester 1	General Education Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	**ENGL 1010 (3)	Fundamentals of English I	Diploma program admission level writing and reading competency	
<input type="checkbox"/>	**MATH 1012(3)	Foundations of Mathematics	Diploma program admission level math competency	
<input type="checkbox"/>	IDSY 1130 (4)	Industrial Wiring	None	
Semester 2	Occupational Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	**IDSY 1101 (3) -OR- IDFC 1011 (3)	DC Circuit Analysis Direct Current I	None	
<input type="checkbox"/>	IDSY 1110 (4)	Industrial Motor Controls I	None	
<input type="checkbox"/>	EMPL 1000 (2)	Interpersonal Relations	None	
Semester 3	Occupational Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	IDSY 1120 (4)	Basic Industrial PLCs	None	
<input type="checkbox"/>	IDSY 1210 (4)	Industrial Motor Controls II	None	
<input type="checkbox"/>	Occupational Elective (3)	Choose from list below		See Faculty Advisor

**\*\*First term suggestion:** All assigned learning support and/or ENGL 1010, MATH 1012, IDSY 1101, IDSY 1105

July 2019-2020 Catalog

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Semester 4	Occupational Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	IDSY 1105 (3) -OR- ELTR 1020 (3) -OR- IDFC 1012	AC Circuit Analysis  Alternating Current Fundamentals  Alternating Current I	None	
<input type="checkbox"/>	IDSY 1220 (4)	Intermediate Industrial PLCs	None	IDSY 1220 (4)
<input type="checkbox"/>	IDSY 1230 (4)	Industrial Instrumentation	None	IDSY 1230 (4)

Complete	Occupational Elective Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	<b>Choose two electives from the list below: (6)</b>			
<input type="checkbox"/>	AIRC 1005 (4)	Refrigeration Fundamentals	None	
<input type="checkbox"/>	IDSY 1170 (4)	Industrial Mechanics	None	
<input type="checkbox"/>	IDSY 1190 (4)	Fluid Power Systems	None	
<input type="checkbox"/>	IDSY 1195 (3)	Pumping and Piping Systems	None	

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Complete	Occupational Elective Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	MCHT 1119 (4)	Lathe Operations I	None	
<input type="checkbox"/>	MCHT 1120 (4)	Mill Operations I	None	
<input type="checkbox"/>	WELD 1000 (4)	Introduction to Welding Technology	None	

This program is eligible for Federal Aid including Pell Grant and federal student loans and may be eligible for Institutional and State Financial Aid. Contact the Financial Aid office for eligibility requirements and application materials.

As set forth in its student catalog, West Georgia Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, or citizenship status (except in those special circumstances permitted or mandated by law).