



Electrical Construction instructs students in the layout, assembly, installation, and testing of electrical fixtures and methods of wiring using Local and National Electrical Codes.

Major Units of Study

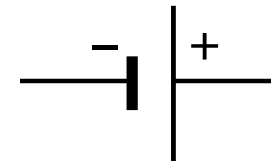
- Study of electrical theory
- Identification and use of electrical tools and materials
- Preparation of electrical connections
- Development of skills related to commercial and residential wiring
- Blueprint reading
- Study of electric motor control

Related Careers

- Electrical Contractor
- Electrical Foreman
- Electrician Helper
- Electrical Inspector
- Electrical Supervisor

Post-Secondary

- Apprentice Programs
- Articulated with the Associated Builders & Contractors, Inc. apprenticeship program
- Articulated with the Community College of Baltimore County
- Colleges
- Military Services
- On-the-job Training
- Technical Schools



Visit the Carroll County Career and Technology Center website:
<http://www.carrollk12.org/ctc/>

COMPLETER: *Electrical Construction* CREDITS: 6

- Guideline for Course Selections
- Refer to Graduation Requirements in the Program of Studies for specific course requirements in each content area

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
Completer Program Requirements			Electrical Construction I (3)	Electrical Construction II (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	Advanced Design Applications (1), Technological Design (1), Alg./ DA Course 3 (1), Math Elective beyond Alg. II/DA (.5-1), Agricultural Mechanical Technology (1), Business Communications & Keyboarding (1), Public Speaking (.5), Work-Based Learning Experience (.5-1)			
8 credits possible per year				
Value Added: From: Program:	Up to 1 year toward Apprenticeship Associated Builders & Contractors	6 Articulated Credits Community College of Baltimore County, Catonsville Construction Technology		
End of Program Test: Industry: Taken:	NCCT Academic Core v2 National Center for Construction Education and Research (NCCER) At the end of Electrical Construction I		NCCT Academic Electrical Level I v2 National Center for Construction Education and Research (NCCER) At the end of Electrical Construction II	

ADA STATEMENT

The Board of Education of Carroll County does not discriminate on the basis of disability in employment or provision of services, programs or activities. Information concerning the Americans with Disabilities Act is available from the Director of Facilities, 410-751-3177. Persons needing auxiliary aids and services for communication should contact the Office of Community and Media Relations at 410-751-3020 or publicinfo@carrollk12.org, or write to Carroll County Public Schools, 125 North Court Street, Westminster, Maryland 21157. Persons who are deaf, hard of hearing, or have a speech disability, use Relay or 7-1-1. Please contact the school system at least one (1) week in advance of the date the special accommodation is needed.