ELECTRICAL WIRING CERTIFICATE
Total Credits: 19-21
Catalog Edition: 2024-2025

Program Description
(R): 245

ELECTRICAL WIRING CERTIFICATE: 245 WAS REPLACED BY BUILDING TRADES TECHNOLOGY CERTIFICATE: 263 AND IS NO LONGER ACCEPTING NEW STUDENTS. ADDITIONALLY, STUDENTS ADMITTED PRIOR TO FALL 2022 WILL NOT BE ABLE TO GRADUATE WITH THIS CERTIFICATE AFTER SPRING 2025. PLEASE CONTACT A PROGRAM ADVISOR #FOR ALTERNATIVE OPTIONS.

This certificate curriculum prepares individuals for employment or advancement in the electrical trade of the building and construction industry. A combination of academic and practical instruction will provide individuals with knowledge and skills that are necessary for success in the electrical profession. Credits may also be applied to the Building Trades Technology AAS degree.

Program Outcomes
Upon completion of this program, a student will be able to:

• Demonstrate the ability to work effectively as a team member with various construction trades and personnel.
• Describe effectively the construction process as it applies to residential buildings.
• Apply practical construction skills in electrical wiring.
• Communicate written, verbal, and visual information as it relates to electrical wiring.

Program Advisors
Rockville

• Prof. John Phillips, 240-567-7942, John.Phillips@montgomerycollege.edu

For more information, please visit https://www.montgomerycollege.edu/academics/programs/building-trades-technology/electrical-wiring-certificate.html

To view the Advising Worksheet, please visit https://www.montgomerycollege.edu/_documents/counseling-and-advising/advising-worksheets/current-catalog/245.pdf
Program Requirements
A suggested course sequence for full-time students follows. All students should review this advising guide and consult an advisor.

Program Requirements

BLDG 130 - Introduction to the Building Trades 3 semester hours

BLDG 133 - Building Trades Blueprint Reading 3 semester hours

BLDG 150 - Fundamentals of Electrical Wiring 4 semester hours

BLDG 250 - Residential Electrical Wiring 4 semester hours

Program Electives 5-7 semester hours‡

Total Credit Hours: 19-21
‡ Select from BLDG 184, BLDG 252, BLDG 256, BLDG 284.
Transfer Opportunities
Montgomery College has partnerships with multiple four-year institutions and the tools to help you transfer. To learn more, please visit https://www.montgomerycollege.edu/transfer or http://artsys.usmd.edu.

Get Involved at MC!
Employers and Transfer Institutions are looking for experience outside the classroom.

MC Student Clubs and Organizations: https://www.montgomerycollege.edu/life-at-mc/student-life/

Related Careers
Some require a Bachelor’s degree. Electrician, Electrician Helper, Electrical Powerline Installer and Repairer, Telecommunication Line Installer and Repairer.

Career Services
Montgomery College offers a range of services to students and alumni to support the career planning process. To learn more, please visit https://www.montgomerycollege.edu/career

Career Coach
A valuable online search tool that will give you the opportunity to explore hundreds of potential careers or job possibilities in Maryland and the Washington D.C. metropolitan area. Get started today on your road to a new future and give it a try. For more information, please visit https://montgomerycollege.emsicc.com

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