

ELECTRICAL WIRING AREA OF CONCENTRATION, BUILDING TRADES TECHNOLOGY AAS

Total Credits: 60
Catalog Edition: 2025-2026

Program Description

(R): 308B

This program is intended to prepare students for careers in the building and construction trades. The General Education courses, in conjunction with specialized courses, provide a broad foundation and sharpen students' skills in preparation for entry into or advancement in today's workplace. This curriculum, following the electrical wiring area of concentration, provides training, skills and knowledge that prepares students for employment as electricians or provides current building and construction professionals with essential electrical wiring skills.

Program Outcomes

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

- Define and explain the basic principles and techniques of residential construction.
- Apply relevant construction skills in a particular trade area.

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/building-trades-aas-degree-electrical-wiring.html>

2025-2026

Program Advising Guide

An Academic Reference Tool for Students

ELECTRICAL WIRING AREA OF CONCENTRATION, BUILDING TRADES
TECHNOLOGY
ASSOCIATE OF APPLIED SCIENCE: 308B

308B

ELECTRICAL WIRING AREA OF CONCENTRATION, BUILDING TRADES TECHNOLOGY AAS

Suggested Course Sequence

A suggested course sequence for full-time students follows. All students should review this advising guide and consult an advisor.

First Semester

ENGL 101 - Introduction to College Writing *3 semester hours* *

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*

Third Semester

BLDG 252 - Commercial Electrical Wiring *4 semester hours*

BLDG 256 - National Electrical Code *3 semester hours*

Arts or Humanities Distribution *3 semester hours (ARTD or HUMD)*

General Education Elective *3 semester hours (GEEL)*

Program Electives *3 semester hours †*

Second Semester

English Foundation *3 semester hours (ENGF)*

Mathematics Foundation *3 semester hours (MATF)*

BLDG 250 - Residential Electrical Wiring *4 semester hours*

Program Electives *6 semester hours †*

Fourth Semester

[Behavioral and Social Sciences Distribution](#) *3 semester hours (BSSD)*

[Natural Sciences Distribution with Lab](#) *4 semester hours (NSLD)*

[General Education Elective](#) *3 semester hours (GEEL)*

Program Electives *5 semester hours †*

Total Credit Hours: 60

* ENGL 101/ENGL 101A, if needed for ENGL 102/ENGL 103, or elective.

† Select from the following program electives: ARCH 103, ARCH 183, BLDG 140, BLDG 160, BLDG 172, BLDG 182, BLDG 184, BLDG 200 (1-3 credits), BLDG 230, BLDG 240, BLDG 242, BLDG 284, BSAD 101, CMGT 100, CMGT 135, CMGT 280, or SPAN 101.

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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