

BCCC

Baltimore City Community College



ELECTRICAL ENGINEERING, ASE

Associate of Science in Engineering

The Electrical Engineering program prepares students to pursue a bachelor's degree in electrical engineering at a four-year university in the state of Maryland. Students will receive extensive training to build a strong foundation in mathematics, physics, chemistry, and the fundamentals of electrical engineering. Graduates of the program will have the opportunity to seamlessly transfer to an electrical engineering program at a four-year college or university in the state of Maryland.

Graduates of the Electrical Engineering Program transfer to four-year institutions to earn bachelor's degrees in an electrical engineering related fields.

Learn more at
bccc.edu/electrical

ELECTRICAL ENGINEERING, ASE

64 credit hours

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CAREER OPTIONS

- Computer Engineering
- Electrical Engineering
- Electronics Engineering
- Mechatronics Engineering
- System Engineering

BCCC'S ADVANTAGE

- Small class size
- Virtual & remote learning
- Majority of graduates transfer to a bachelor's degree program or find job placements

APPLY TODAY
bccc.edu/apply

SUGGESTED SEQUENCE OF COURSES

Every degree-seeking student must complete the College's General Education Requirements in addition to the requirements of his/her academic program. Through the College's General Education Requirements, students acquire basic knowledge of the disciplines in the areas of arts and humanities, social and behavioral sciences, biological and physical sciences, mathematics, English composition, and computer literacy.

1ST SEMESTER	CREDITS	COURSE #
Preparation for Academic Achievement	1	PRE 100
General Chemistry I	4	CHE 101
Engineering Graphics	3	EGN 101
DC Circuits Analysis	3	ELC 120
Calculus I	4	MAT 140
Fundamentals of Speech Communication	3	SPE 101
18 Credits		

2ND SEMESTER	CREDITS	COURSE #
Programming in C	3	CSC 108
AC Circuit Analysis	3	ELC 121
Health & Life Fitness	1	HLF ELEC
Calculus II	4	MAT 141
English Writing	3	ENG 101
14 Credits		

3RD SEMESTER	CREDITS	COURSE #
Digital Fundamentals & Circuits	3	ELC 256
Introduction to Literature	3	ENG 200
Health & Life Fitness	1	HLF ELEC
Calculus III	4	MAT 210
General Physics I	5	PHY 203
16 Credits		

4TH SEMESTER	CREDITS	COURSE #
The American Economy I: Macroeconomic Theory	3	ECO 201
Special Topics in Electrical Engineering	1	EGN 205
History of American Civilization I or World History I	3	HIS 101 or HIS 151
Differential Equations	4	MAT 211
General Physics II	5	PHY 204
16 Credits		