

BCCC

Baltimore City Community College



ROBOTICS AND MECHATRONICS CERTIFICATE

The Robotics and Mechatronics Certificate Program trains students to be robotics/automation/manufacturing/mechatronics technicians who can maintain, program, troubleshoot, and repair robots and mechatronics systems in different applications. Students in this certificate program receive extensive training in robotics, PLCs, mechatronics, computer controls, instrumentation, data acquisition, mechanical controls, pneumatics, electrical power, motors, and hydraulics. This certificate program emphasizes hands-on training and prepares students for immediate employment. This certificate program does not require any mathematics prerequisite.

Learn more at
bccc.edu/robotics

ROBOTICS AND MECHATRONICS CERTIFICATE

18 credit hours



CAREER OPTIONS

- Automation Technicians
- Control Technicians
- Electrical Technicians
- Electronics Technicians
- Machine Maintenance Technicians
- Mechatronics Technicians

BCCC'S ADVANTAGE

- Small class size
- Virtual & remote learning

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
Introduction to Robotics/Mechatronics	4	RBT 105
Fundamentals of Speech Communication	3	SPE 101
Computer Literacy	2	CLT 100
10 Credits		

2ND SEMESTER	CREDITS	COURSE #
The American Economy I: Macroeconomic Theory	3	ECO 201
Computer Assisted Manufacturing (CAM) and Industrial Instrumentation	4	RBT 150
Robotics Application and Programmable Logic Controllers (PLCs) Lab	1	RBT 206
8 Credits		