



The Robotics/Mechatronics

Program trains students to be robotics/automation/manufacturing/electronics technicians who can program, troubleshoot, and repair robots or mechatronics devices in different applications.

A robotics/mechatronics technician is a highly skilled person who works with industrial/manufacturing specialists in the rapidly expanding and dynamic industry of automated manufacturing. The robotics/mechatronics student receives extensive training in electronics, computer controls, data acquisition, mechanical controls, pneumatics, electrical power, motors, and hydraulics relative to industrial robots.

Endless Career Options

The graduates of the program can also transfer to Morgan State University to pursue a BS degree in Engineering with a concentration in Robotics or transfer to Capitol College to pursue a BS degree in Electrical Engineering Technology.

LEARN MORE AT
bccc.edu/robotics





- Automation technicians
- Control technicians
- Electrical technicians
- Electronics technicians
- Machine maintenance technicians
- Mechatronics technicians

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

APPLY TODAY

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SUGGESTED SEQUENCE OF COURSES

	Credits	Course No.
Program Prerequisites		
Prep. for Academic Achievement	4	RENG 90
Composition Skills I	4	RENG 91
Composition Skills II	4	RENG 92
Arithmetic	3	MAT 80
Integrated Pre-Algebra & Intro Algebra	5	MAT 86
Integrated Elem. & Intermed. Algebra	5	MAT 87
1st Semester		
Prep. for Academic Achievement	1	PRE 100
Fund. of Speech Communications	3	SP 101
DC Circuits Analysis	3	CHE 101
College Algebra & Trigonometry	3	EGN 101
Introduction to Robotics/Mechatronics	4	MAT 140
Health & Life Fitness Elective	1	HLF ELEC
2nd Semester		
AC Circuits Analysis	3	ELC 121
Computer Literacy	2	CLT 100
English Writing	3	ENG 101
Digital Fundamentals and Circuits	3	ELC 256
Computer Assisted Mfg. (CAM) & Industrial Instrumentation	4	RBT 205
3rd Semester		
Fundamentals of Physics I	4	PHY 101
Modern Elementary Statistics	3	MAT 107
Health & Life Fitness Elective	1	HLF ELEC
Engineering Graphics	3	EGN 101
Mechatronics Principles & Applications	4	RBT 205
4th Semester		
The American Economy 1: Macroeconomic Theory	3	ECO 201
Robotics Applications & Programmable Logic Controllers	3	RBT 204
Robotics Applications & PLCs Lab	1	RBT 206
CADD Mechanical Applications	3	CADD 208
Gen. Ed. Category III Elec. w/lab	4	BPS ELEC