

MECHATRONICS TECHNOLOGY

CAREER PATHS

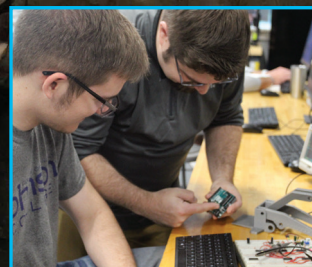
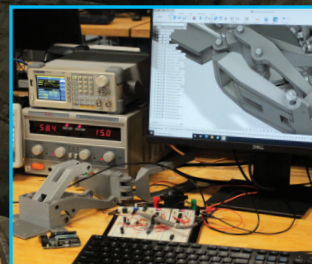
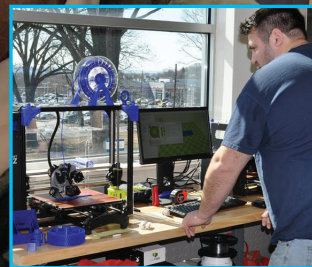
MECHATRONICS TECHNOLOGISTS & TECHNICIANS
AUTOMATION TECHNICIANS

SALARY

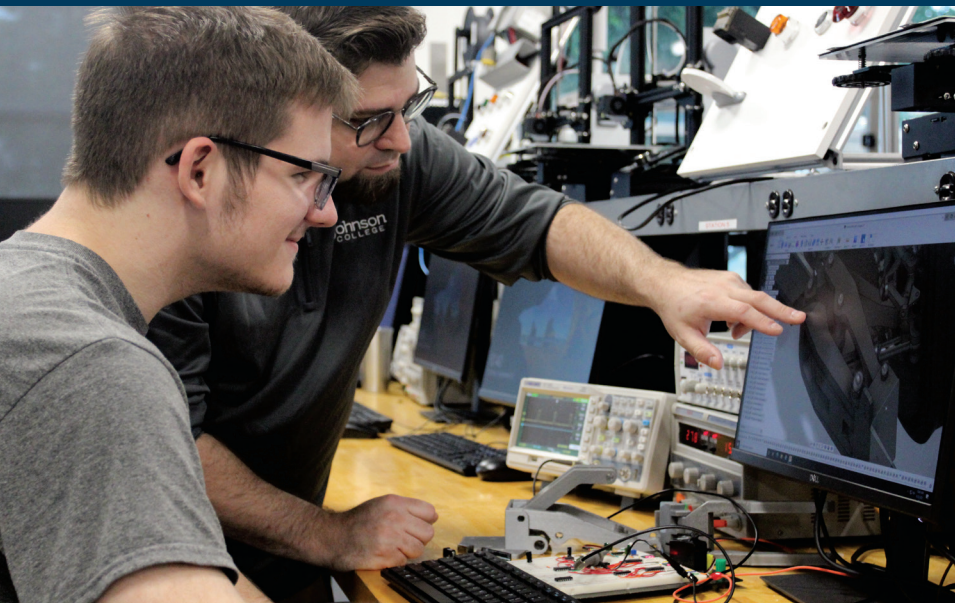
\$59,800*
MEDIAN ANNUAL INCOME

JOB GROWTH

2018-2028: 6%**



SCAN FOR YOUR FUTURE



PROGRAM OBJECTIVE

Johnson College's two-year Associate Degree Mechatronics Technology program prepares graduates as entry-level technicians. Students will become proficient in the theoretical and practical applications associated with electronic devices, fabrication technologies, electro-mechanical systems, and industry 4.0.

READY. SET. WORK.

- Goal 1:** Graduates will possess the skills needed to obtain an entry-level technician position in the mechatronics field.
- Goal 2:** Graduates will be able to troubleshoot electrical, electronic, and mechanical systems using theoretical principles and measured values to resolve operational issues.
- Goal 3:** Graduates will demonstrate the ability to communicate with a customer, team member, or supervisor in a professional manner to determine the nature of a problem or to explain repairs.
- Goal 4:** Graduates will demonstrate the proper and safe use of hand tools, measuring equipment, and test equipment used during fabrication or troubleshooting.

CAREER OPPORTUNITIES

Electro-mechanical technicians have the ability to work in many industrial environments, including energy, plastics, computer and communications equipment manufacturing, and aerospace. They often work both at production sites and in offices.

PROGRAM COURSES

CREDITS

MAJOR COURSES (49 CREDITS)

Principles of Mechatronics Technology	2
Hand Fabrication	1
Hand Fabrication Lab	2
DC Electricity and Instrumentation	2
DC Electricity and Instrumentation Lab	1
Alternating Current and Passive Devices	2
Alternating Current and Passive Devices Lab	1
Sensors and Systems in Automation	2
Sensors and Systems in Automation Lab	1
Additive Manufacturing	1
Additive Manufacturing Lab	2
Microcontrollers & Applications	1
Microcontrollers & Applications Lab	2
Automation and Robotics	2
Automation and Robotics Lab	2
Programmable Logic Controllers	2
Programmable Logic Controllers Lab	2
Industry 4.0	1
Industry 4.0 Lab	3
Automation & Robotics	2
Automation & Robotics 2 Lab	2
Programmable Logic Controllers 2	2
Programmable Logic Controllers 2 Lab	2
Production & Assembly	2
Production & Assembly Lab	3
Research Project (Capstone Project)	1
Research Project (Capstone Project) Lab or Internship	3
	4

GENERAL EDUCATION (22 CREDITS)

Computer-Aided Design	3
Customer Service and Our World	3
Public Speaking	3
Microcomputer I	3
English Composition I	3
Trigonometry	3
Introductory Physics	3
Student Success Seminar	1

MINIMUM CREDITS TO GRADUATE: 71

There may be special admission requirements for this program. Please speak with a Recruitment Advisor by calling 570-702-8856 or visit our website johnson.edu to review our requirements.