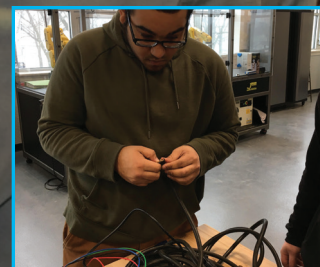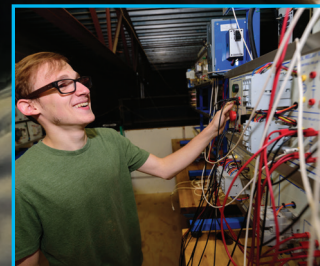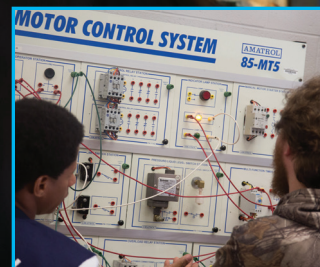# ELECTRONIC ENGINEERING TECHNOLOGY

CAREER PATHS

AUTOMATION TECHNICIAN
ELECTRICAL ENGINEERING TECHNICIAN
ELECTRONIC INSTRUMENT TESTING TECHNICIAN
ELECTRONICS TECHNICIAN
INSTRUMENT SPECIALIST
PROGRAMMABLE LOGIC CONTROLLER PROGRAMMER
TECHNICAL SUPPORT SPECIALIST

SALARY

$72,800*
MEDIAN ANNUAL INCOME

JOB GROWTH

2022-2032: 1%*

SCAN FOR YOUR FUTURE

JJ WE**WORK**

Johnson
COLLEGE OF TECHNOLOGY
COLLEGE
SCRANTON

ELECTRONIC ENGINEERING TECHNOLOGY

PROGRAM OBJECTIVE

The Electronic Engineering Technology program prepares graduates as entry-level technicians. Students will become proficient in the theoretical and practical applications associated with electronic devices, instrumentation controls, and systems.

READY. SET. WORK.

Goal 1: Graduates will be able to troubleshoot electronic circuits and systems using theoretical principles and measured values to resolve operational issues.

Employ corrective actions to make repair to systems under test.

Goal 2: 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 3: Graduates will be able to use hand tools and test equipment in a safe manner.

Applicants are encouraged to arrange a campus visit and a personal information session with a Recruitment Advisor. Appointments may also be made to meet with appropriate faculty and current students.

CAREER OPPORTUNITIES

Graduates work as technicians and sales representatives in the field of electronic instrumentation and computer repair. Typical employers in the electronic career are machine, tool, and instrumentation manufacturers; electronic service companies; communication industries; electronic media; and electronic sales.

JOHNSON COLLEGE OF TECHNOLOGY

Johnson.edu
570-702-8856
3427 N Main Ave, Scranton, PA 18508

Courses are subject to change. Please check johnson.edu for up-to-date course info.

PROGRAM COURSES

	CREDITS
SEMESTER 1	
Introduction to Electronic Equipment	1
Project Management	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
Computer Aided Design	3
College Algebra I and Trigonometry	3
First-year Experience	1
SEMESTER 2	
Digital Electronics	2
Digital Electronics Lab	2
Introduction to Semiconductors	2
Introduction to Semiconductors Lab	1
Integrated Circuits & Thyristors	2
Integrated Circuits & Thyristors Lab	1
Sensors and Systems in Automation	2
Sensors and Systems in Automation Lab	1
Humanities Elective	3
College Algebra II and Trigonometry	3
SEMESTER 3	
Communication Electronics	2
Communication Electronics Lab	1
Automation and Robotics I	2
Automation and Robotics I Lab	2
Programmable Logic Controllers I	2
Programmable Logic Controllers I Lab	2
Public Speaking	3
Introduction to Business	3
SEMESTER 4	
Automation and Robotics II	2
Automation and Robotics II Lab	2
Programmable Logic Controllers II	2
Programmable Logic Controllers II Lab	2
Network Architectures, Principles, and Protocols	2
Network Architectures, Principles, and Protocols Lab	1
Applied Electronics Principles and Applications	2
Applied Electronics Principles and Applications Lab	2
or Internship	4
MINIMUM CREDITS TO GRADUATE	**67**

This semester layout is based off of a fall start. Students who start in the spring will be required to attend an additional semester to complete their degree.

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.