MECHATRONICS

CERTIFICATIONS
CompTIA A+ Certification
Student Electronics Technician (SET)

CAREER PATHWAYS
Robotics Engineer
Electronics Engineer
Robotics Technology
Automation Technology

COLLEGE PATHWAYS

3-YEAR BREAKDOWN

Year 1
Electrical Quantities
Instrumentation
Soldering
Ohm’s Law
Series Circuits
Parallel Circuits
Series-Parallel Circuits
Agile Robotics

Year 2
Basic Network Theorem
Alternating Current
Oscilloscope/Inductance/Inductive Reactance
RL Circuits in Alternating Current
Transformers/Capacitance
RC Circuits
Troubleshooting
Rapid Prototyping
Electronic Communications

Year 3
RLC Circuits
Resonance
Programmable Logic Controllers
Junction Diodes
Power Supplies
Transistor Characteristics
Small Signal Amplifiers
Operational Amplifiers
Basic Digital Electronics
Motors
Nanotechnology

A Robotic Engineer’s annual median wage is $97,250.

TEACHERS BIO
Mr. Mori
Masters degrees in Education
Bachelors of Arts Degree in Communication/Advertising & PR
IT Instructor - Bucks County Tech High School
Mechatronics Engineering Instructor - EWCTC 13+ years

INDUSTRY PARTNERS
WindStax Wind Systems
REM Electronics
WCCC
Carlo
WCCC Shale NET
Allegheny Educational Systems, Inc.
California University of PA

... the use mechanics, electronics, control & systems theory, and computers into a complex, single system.