



INSTRUMENTATION & INDUSTRIAL AUTOMATION TECHNOLOGY



PROGRAM OVERVIEW

- Electronics
- Electricity
- Process Control
- Robotics
- Solid state
- Digital devices
- Applied mathematics and calculus
- Applied physics
- Motor controls
- Industrial computing
- Automation
- Calibration

**2-YEAR
PROGRAM**

WHILE YOU MAY NOT REALIZE IT, WE LIVE IN A WORLD OF INSTRUMENTATION.

Nearly everything in your life is a product of automation. Sports drinks, candy, gasoline, pharmaceuticals, water treatment, and power generation all use automated process controls to ensure a consistent final product. Manufacturing industries have streamlined operations by using automation to produce products in the most efficient and cost effective way.

Instrument technicians use pneumatic, electrical, and electronic devices to inspect and test instrument and system operations. These instruments measure and control variables such as temperature, level, pressure, and flow.

Companies are continually looking to reduce operational risk, such as unplanned downtime, as they manufacture products. While automated systems are a component, people are still the most critical factor. Instrument techs are needed to ensure that the systems are maintained to operate effectively and efficiently.

Automation has enabled manufacturers to create uniform products while increasing production. With a growing emphasis on quality management, consistency, and leaner and cleaner operations, this sector should continue to expand. Trained instrumentation techs are key to helping businesses reach the next level.

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