Industrial Technician Course Schedule
Spring 2019 (February - May)

Basic Industrial Electricity
Students will gain a basic understanding of the principles of electricity, electronic components, standards and schematics. Class and lab sessions will focus on the following: Personal and Equipment Safety, Definitions and Terminology; Basic Principles, Laws and Calculations, AC Principles, Wiring, Schematics and Codes; AC Motors, Lighting and other Equipment; Testing Instruments, Basic Troubleshooting and Repair (AC Equipment and DC/Electronic Equipment); DC Principles and Components; DC Circuits, Diagrams and Schematics; Electronics and Semiconductors.

Course Details:
- Day/Time: Wednesdays 12:30 – 3:30 PM
- Date: February 27 – May 1, 2019
- Room: Skou Room 134
- Tuition: $695 + textbook

Programmable Logic Controllers (PLC) I
Introducing the PLC - What it is and how it functions, number systems, introduction to PLC operations, input modules, output modules, putting together a modular PLC, introduction to Logic, programming a PLC, PLC processors, program and data organization, basic relay instructions, understanding relay instructions and the PLC input module, documenting your system, timer and counter instructions, introduction to comparison, data-handling, and sequencer instructions, including hands-on exercises.

Course Details:
- Day/Time: Wednesdays 6:00 – 9:00 PM
- Date: March 20 – May 22, 2019
- Room: Skou Room 140
- Tuition: $695 + textbook

Advanced Hydraulics
A more in-depth look at hydraulic components and systems. Items to be covered will include complex systems of cartridge valves, proportional and servo controls, electrical feedback, closed and open loop control, and hydrostatic drives. Emphasis in the class and lab will be on understanding, troubleshooting and maintenance of these systems. (Prerequisite: Basic Hydraulics)

Course Details:
- Day/Time: Thursdays, 5:00 – 8:00 PM
- Date: March 21 – May 23, 2019
- Room: Lecture: 5:00 – 6:00 PM Skou Hall 231 & Lab 6:00 – 8:00 PM Skou Hall 140
- Tuition: $695 + textbook

To register please visit: go.osu.edu/ITC