



ADVANCED MANUFACTURING OE² PROGRAM

This Open Entry/Open Exit (OE²) program gives manufacturers the ability to customize content to meet their particular training needs with the flexibility to adapt the curriculum to the employee's experience level. The self-directed design allows learners to complete the courses at their own pace without having to disrupt work schedules. The result is a high-tech workforce trained to meet the advanced skill requirements of today's manufacturing environment.

ROTATIONS:

- January 21 - March 29, 2013
- April 15 - June 28, 2013
(Memorial Day week, no class)
- July 15 - September 27, 2013
(Labor Day week, no class)
- October 7 - December 20, 2013
(Thanksgiving week, no class)

COST FOR EACH ROTATION:

Rotation Fee: \$1,165

- Includes eLearning and consumables
- Printed learning materials are available. Pricing available upon request.

TRAINING PROVIDER:

Ivy Tech Corporate College

COURSE LOCATION:

Mid-America Science Park (MASP)
821 S. Lake Road South
Scottsburg, Indiana 47170



COURSE DESCRIPTION

The skills based eLearning modules and hands-on practical exercises provide an effective training experience. This model develops job-ready skills that will yield a significant return on investment for employers. Participants can complete the web-based modules at home, work, or in the Advanced Manufacturing Training Center during scheduled hours (8:00 am - 9:00 pm, Monday - Friday). The program consists of four 10 week rotations with an optional Workplace Essentials package. Each rotation requires twenty hours of instructor interaction (2 hours/week, Instructor hours vary).

Each rotation is customizable utilizing the curriculum below:

- **Mechanical** (Mechanical Fabrication, Mechanical Drives, Pumps)
- **Fluid Power** (Basic Hydraulics, Intermediate Hydraulics, Basic Pneumatics, Intermediate Pneumatics, Electro-Fluid Power, Electronic Sensors, Piping)
- **Electrical** (AC/DC Electrical, Basic Wiring, Rotating Machines, Electrical Relay Control, Electric Motor Control, Motor Braking, Reduced Voltage Starting, Variable Frequency AC Drives, Electronic Sensors, Electronic Counters, Speed Control, Industrial Electrical Wiring, Power Distribution)
- **Electronics** (Power and Control Electronics, Programmable Controllers, Principles of Robotics S4C + Controller (eLearning only) IRC5 Controller also available, Principles of Factory Automation (eLearning only), Pegasus 1 Robot)
- **Workplace** (Safety, Industrial Fundamentals, Principles of Advanced Manufacturing, Quality, Lean Manufacturing, Measurement and Gauging, Prints and Drawings, Workplace Effectiveness)

For More Information Contact Justin Westmoreland
jwestmoreland@maspark.org • 812-752-9521 Ext. 1224

or **Lisa Earnhart**, Program Manager

812-374-5315