

Workforce Ready Grant (Non-Credit) Student Information Form



GENERAL INFORMATION

Full Legal Name:

Last: _____ First: _____ Middle Name: _____

Residency: Are you a resident of Indiana? Yes No

Mailing Address:

Street: _____

City: _____ State: _____ Zip Code: _____

Email: _____

Date of Birth:

Month: _____ Day: _____ Year: _____

Gender:

Male
 Female

Telephone:

Home: _____

Work: _____

Cell: _____

Citizenship:

U.S. Citizen U.S. Permanent Resident (Green Card) Other

Educational Background (highest level attained)

High School Graduate or GED/HSE Recipient
 Certificate or Associate Degree
 Bachelor's Degree or Higher

Are you Hispanic/Latino? Yes No

Ethnic Affiliation (choose one or more)

American Indian or Alaska Native Asian
 Black or African American White
 Native Hawaiian or Other Pacific Islander
 Other

Have You Attended Ivy Tech Previously? Yes No

If yes, when: _____ Which location: _____

AGREEMENT OF TERMS AND CONDITIONS

By submitting your information for the noncredit Workforce Ready Grant at Ivy Tech Community College of Indiana, you agree to the following:

- To the best of my knowledge, the information in this application is complete and accurate.
- When enrolled, I agree to the policies and regulations of Ivy Tech Community College of Indiana.
- I verify my citizenship status in this application under penalties of perjury.
- I understand that if I knowingly provide false information, my enrollment may be revoked. I authorize Ivy Tech Community College of Indiana to report my progress between Ivy Tech campuses and to government entities for the purpose of research and evaluation.

Signature: _____ Date: _____



Industrial Maintenance Training for the Huntington Learning Center Winter of 2019

Class Contact Hours: 200

Learning Objectives:

Safety (OSHA 10 Hour)
Total Productive Maintenance (TPM)
Quality Tools
Statistical Process Control 1
Project Management & Customer Determination
Introduction to Print Reading
Print Dimensioning
Assembly Drawings and Fastener
Introduction to Geometric Dimensioning and Tolerancing
Basic Measurement
Precision Measurement Tools
MSSC Certification Exams
Basic Electrical Circuits
Electrical Measurement
Circuit Analysis
Automatic Input Devices 1
Electronic Sensors
Introduction to Electric Motor Control
Manual Motor Control and Overload Protection
Control Transformers
Control Relays and Motor Starters
Hydraulic Power System
Basic Hydraulic Circuits
Principles of Hydraulic Pressure and Flow
Hydraulic Speed Control
Pressure Control Circuit
Pneumatic Power Systems
Basic Pneumatic Circuits
Principles of Pneumatic Pressure and Flow
Pneumatic Speed Control Circuits
Introduction to Mechanical Drive Systems

Hands on Project:

The Project will be the fabrication of a control system of a Modular PLC controlled Can Crusher. It will be used as the basis of a final class presentation. Working together in groups students will select proper sensor to fit on the stand table, choose the appropriate control methods; choose the pneumatic and electrical requirements as well. Most of the fabrication for the Can Crusher will already have been completed. Groups will wire, plumb and program the Can Crusher.