

St. Clair County Community College

Better Intellectual Capital

Manufacturing

AC /DC Electrical Diagrams, Components, Test Equipment and Troubleshooting Fundamentals

AC/ DC Electronics

Arc Flash

Automotive Fundamentals

Basic G code

Basic M code

Biofuels Technology: Ethanol

Blue Print Reading

Blue Print Reading and Schematics and Metrology

Boiler Plant Operations and Maintenance

Calibration

CMMI & SPICE Requirements

Computer Literacy

Computer Numerical Control (CNC)

Confined Space

Conveyor Transfer Systems

Cranes and Rigging

Design for Manufacturability (DFM)

Development of Fixtures and Gages for MSA, Poke-Yoke,
Ergonomics (not CAD)

Electrical Print Reading

Electrical Troubleshooting

Electricity and Electronics Fundamentals

Electromagnetic Compatibility (EMC)

EXCEL for Industry – Developing SPC, GRR, Capability Template,
Scrap Reports, Pivot Tables, etc.

Fanuc Operations and Spot Tool Programming

Fluid Power

Framing Systems

Gage R&R (MSA)

Gear Design

Geometric Dimensioning and Tolerancing (GD&T)

GD&T for Design

GD&T and Metrology

Green Construction

Health and Safety

HVAC

Hydraulics Fundamentals

Industrial Vacuum Technology

Injection Mold Process

Introduction to Test Equipment and Troubleshooting

Measurement Uncertainty

Manual Lathe

Manual Mill

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Laser welding and cutting systems
Lean Manufacturing
Leak, cold and Torque test stations
Machine Tool
Maintenance and Repair
Mechanical Systems and Drives
Mechanical Systems and Drives and Power Transmission
Mechatronics
Medium Voltage Circuit Breaker Maintenance
Metrology Basics
Millwright Basics
Motor Controls and Relay Logic Circuits
Optimizing Speed and Feeds
PC DMIS
Piercing fixtures
Pipefitting
Pipefitting and Tube Bending
PLC and Communication Devices
PLC and Control – RS Logix 5000
PLC Fundamentals
PLC Maintenance and Troubleshooting – RSLogix 5000
PLC Programming Software AB, Siemens, Mitsubishi etc
PLC Program Design
Pneumatic Gage
Pneumatics and Hydraulics
Pneumatics Fundamentals
Predictive and Preventative Maintenance
Principles of Manufacturing
Power Generation Protective Relay Maintenance
Power Transmission
Principles of Manufacturing
Process Optimization
PROFIBUS and NET PRO Introduction
Program Metrology
Project Management
Protective Relay Maintenance
Pumps, Seals, Bearings and Lubrication
Quality
Rigging/ Heavy Truck
Rigging and Machine Leveling
Robotic or manual sealant applications, urethane, adhesive, foam
Robotics
Robotics – Advanced Fanuc Operations and Programming
Robotics – Electrical Trouble shooting
Robotics – Mechanical Troubleshooting
Robotics – Operations and Programming
Robots Operation, Mechanical and Electrical Troubleshooting
RS LOGIX 5000 and Communications

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Scissor Lift
Seals
Sheet Metal Fabrication
Sheet steel blanking systems
Shop Math and Blueprint Reading
Siemens SIMATIC S5 to S7
Siemens SIMATIC S7 and Communication Devices
Siemens CNC – D Series Controls
Smart Grid Power Distribution Systems
Thermoforming
Tool Selection
Weldgun repair
Welding
Welding and Fabrication
Welding systems, both resistance welding and heavy deposition wire systems,
theory and application

For more information, please contact
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