





# **Manufacturing Readiness**





## PROGRAM OVERVIEW

The Manufacturing Readiness Program was designed by Lorain County Community College to meet the employer demand in Ohio for entry-level related workers.

Entry-level positions, needed by manufacturers to increase growth and production, form a substantial portion of the available jobs in Ohio. Despite the increased demand, too few individuals are gaining the skills they need foundational employability or technical skills they need – in order to begin working for Ohio manufacturers. The Manufacturing Readiness Program answers that need.

## **Program Highlights**

Earn nationally recognized industry credentials:

- ✓ Certified Production Technician (CPT) through Manufacturing Skills Standards Council (MSSC)
- National Career Readiness Certificate (NCRC)
- ✓ OSHA-10 General Safety Certification
- ✓ 16-week program

## **Program Requirements**

High School Diploma or equivalent

## What jobs are available at the end?

General Assembler Material Handler Packager Warehouse Associate

### **Manufacturing Readiness Program**

### THE RECRUITMENT AND ENROLLMENT PROCESS INCLUDES:

Information LCCC Session Application Process	TCauline 33	ertification ssessment Connect with Industry Partners
For-Credit Course Number	For-Credit Course Title	Total Credits
SDEV 101	College 101	1
TECN 111	Technical Problem Solving	3
SAFE 105	General Safety OSHA 10	1
Total Fast-Track Credit Training		5
Non-Credit Course Title		

MAINTENANCE AWARENESS

MANUFACTURING PROCESS AND PRODUCTION

SAFETY

QUALITY PRACTICES AND MEASUREMENT

Preparation and Test for Certified Production Technician Certification (CPT)

#### **PROGRAM COST:**

Lorain County Resident: \$ 2025.00

Out-of-County Resident: \$

#### **LOCATION:**

Lorain County Community College, Nord Advanced Technologies Building 1005 North Abbe Road, Elyria, Ohio 44035

#### **CONTACT- ADVISOR:**

Tammy Jenkins (440) 366-4833 tjenkins@lorainccc.edu

# FOR-CREDIT COURSE DESCRIPTIONS

#### SDEV 101, College 101

This course introduces strategies for creating success in college. Topics focus on personal responsibility, motivation, goal setting, learning styles, emotional intelligence, study skills, life-long learning, career and academic planning and completion.

#### SAFE 105, General Safety OSHA 10

The Occupational Safety and Health Administration (OSHA) General Industry 10 Hour course is intended to provide entry level worker's general awareness on recognizing and preventing hazards in a general industry setting. Course is instructed by an OSHA recognized instructor. Students meeting the OSHA requirements for this course will receive the "OSHA General Safety 10 Hour" certificate.

#### **TECN 111, Technical Problem Solving**

An introduction to the concepts of technical problem solving using the microcomputer. Familiarization with the problem solving technique as it relates to problems in engineering technology will be emphasized. The problem solving technique is based on the application of current microcomputer related tools and software packages. Laboratory required.

## **Manufacturing Readiness Program**

## NON-CREDIT COURSE DESCRIPTIONS

#### **MAINTENANCE AWARENESS**

This course covers the basic mechanical skills needed by a technician, including use and care of hand tools and small power tools, drilling, tapping, removal of broken bolts, studs, and helicoil insertion. Basics measuring tools and techniques are covered, as well as type and use of fasteners, lubricants and adhesives used in repair, and assembly.

## MANUFACTURING PROCESSES AND PRODUCTION

This course investigates how to improve quality, eliminate wastes, reduce lead time and inventory, and develop productive customer and supplier relationships. Cycle time, Kanban, demand-pull, and order push techniques to reduce inventory in the supply chain are also covered.

#### **SAFETY**

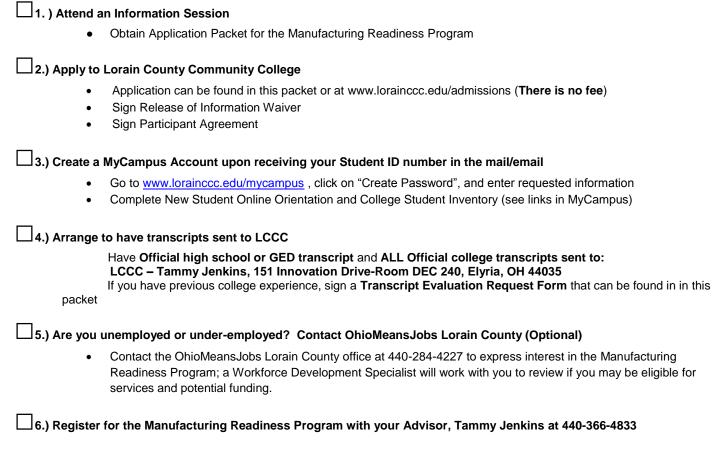
This course covers general shop safety for a machining environment and awareness of hazards. Safety topics covered included MSDS (Material Safety Data Sheets), personal protective equipment, lockout tag out, and more.

#### **QUALITY PRACTICES AND MEASUREMENT**

This course examines the employee's role in producing a quality product including the benefits of quality and the costs of quality, and problem solving tools for continuous improvement.



## **ADMISSIONS CHECKLIST**



Participant Intake Form.

This workforce solution was funded by a grant awarded by the U.S Department of Labor's Employment and Training Administration. The solution was created by the grantee and does not necessarily reflect the official position of the U.S Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.

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