



Manufacturing Readiness

PROGRAM



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
Session

LCCC
Application
Process

Manufacturing
Readiness
Program

Certification
Assessment

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

Manufacturing Readiness Program

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

☐ 1.) Attend an Information Session

- Obtain Application Packet for the Manufacturing Readiness Program

☐ 2.) Apply to Lorain County Community College

- Application can be found in this packet or at www.lorainccc.edu/admissions (There is no fee)
- Sign Release of Information Waiver
- Sign Participant Agreement

☐ 3.) Create a MyCampus Account upon receiving your Student ID number in the mail/email

- Go to www.lorainccc.edu/mycampus, click on "Create Password", and enter requested information
- Complete New Student Online Orientation and College Student Inventory (see links in MyCampus)

☐ 4.) Arrange to have transcripts sent to LCCC

Have **Official high school or GED transcript** and **ALL Official college transcripts sent to:**
LCCC – Tammy Jenkins, 151 Innovation Drive-Room DEC 240, Elyria, OH 44035

If you have previous college experience, sign a **Transcript Evaluation Request Form** that can be found in in this packet

☐ 5.) Are you unemployed or under-employed? **Contact OhioMeansJobs Lorain County (Optional)**

- Contact the OhioMeansJobs Lorain County office at 440-284-4227 to express interest in the Manufacturing Readiness Program; a Workforce Development Specialist will work with you to review if you may be eligible for services and potential funding.

☐ 6.) Register for the Manufacturing Readiness Program with your Advisor, Tammy Jenkins at 440-366-4833

- Participant Intake Form.

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