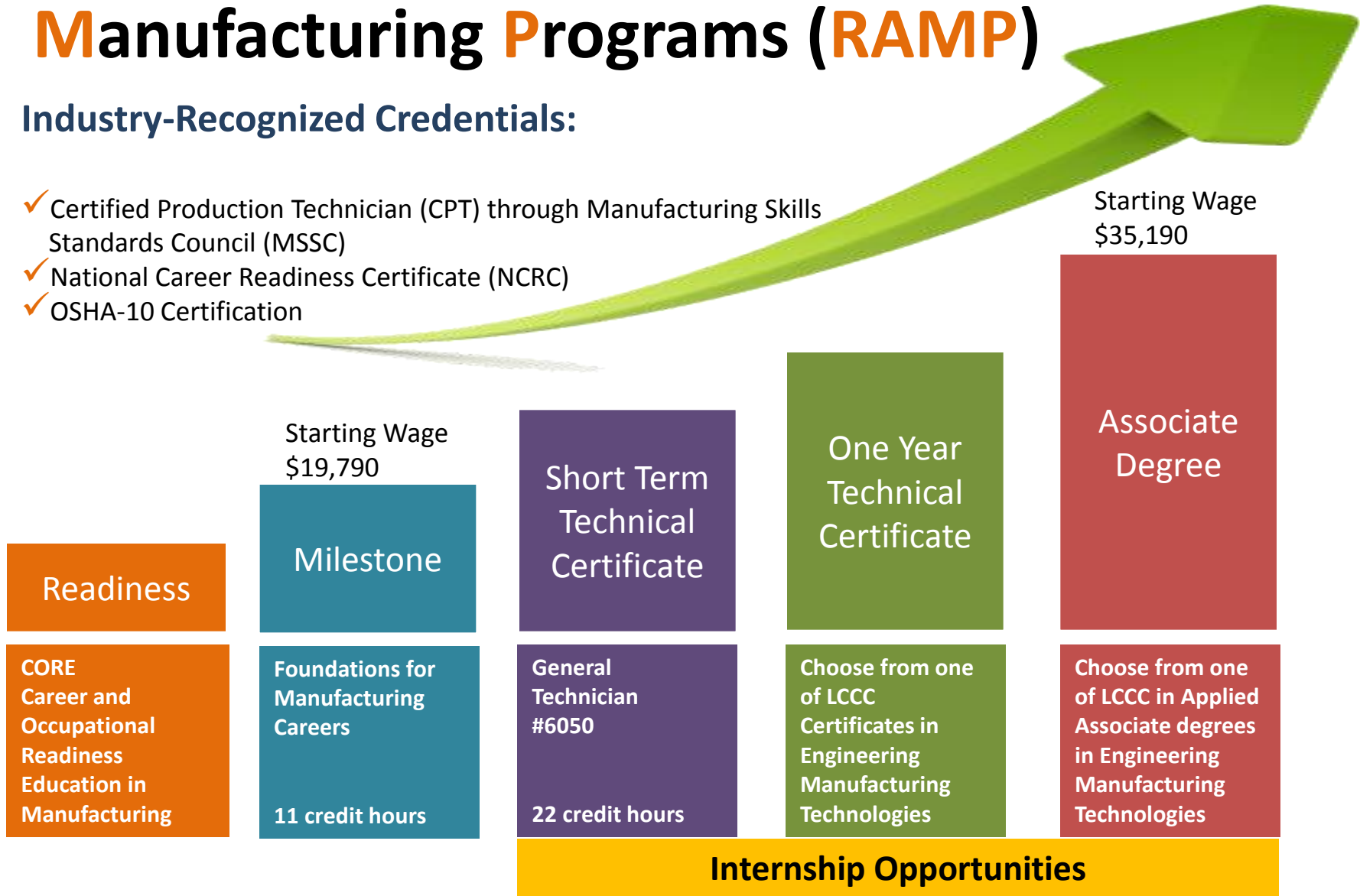


Foundations for Manufacturing Careers

Retooling Adults for Manufacturing Programs (RAMP)

Industry-Recognized Credentials:

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



Foundations for Manufacturing Careers

Milestone

Program Overview:

The Foundations for Manufacturing Careers Program was designed by Lorain County Community College to meet the employer demand in Ohio for entry-level related workers. Entry-level positions are needed by manufacturers to increase growth and production and form a substantial portion of the available jobs in Ohio.

Program prepares students to earn NAM (National Association of Manufacturers) endorsed skills credentials:

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Occupational Title

Starting Wage:

Annual Job Openings

■ General Assemblers and Fabricators	\$19,790	524
■ Helpers/Production Workers	\$19,290	511
■ Material Handler/Packagers	\$31,262	233
■ Production Worker	\$21,250	258

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Readiness

Milestone

CORE
Career and
Occupational
Readiness
Education in
Manufacturing

Foundations for
Manufacturing
Careers

11 credit hours

Milestone

Foundations for Manufacturing Careers Milestone

Required Courses

SDEV 101	College 101
SAFE 105	General Safety
TECN 111	Technical Problem Solving
TECN 131	Manufacturing Processes I
TECN 133	Mechanical Systems

Credit Hours

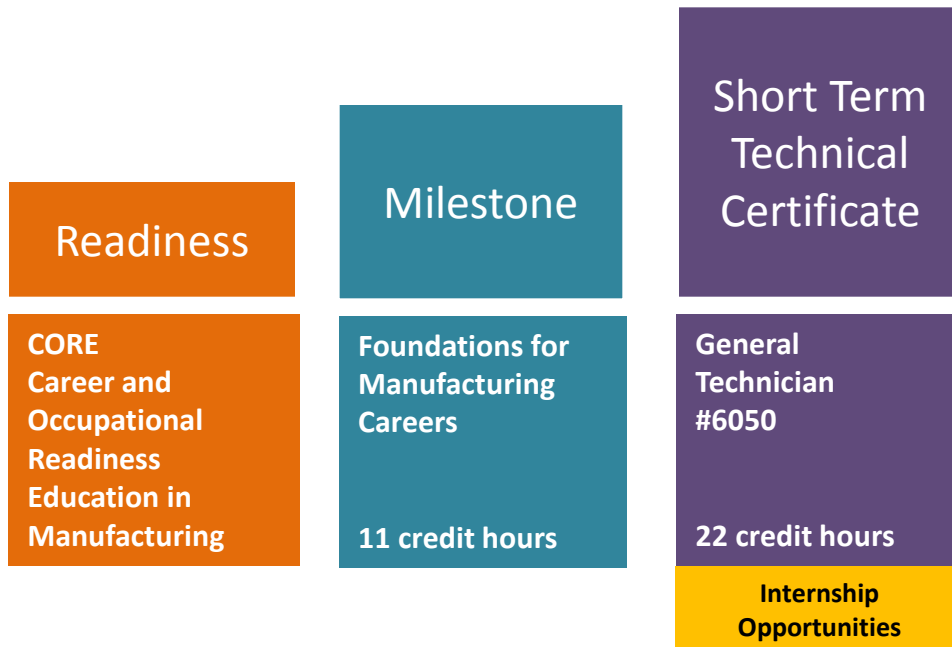
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Short-Term Technical Certificate

Lorain County Community College Engineering Technology General Technician

Engineering Technologies Division

Short Term Technical Certificate - Curriculum Code 6050

The General Technician Short Term Technical Certificate is designed to provide students with the knowledge and skills necessary for the competent performance as an entry-level technician. The graduate will repair, test, adjust, operate or install engineering equipment. Lorain County Community College has articulation agreements with colleges and universities including programs offered by LCCC's University Partnership.

Course	Course Title	Credits	Contact Hrs.	Lec Hrs.	Lab Hrs.
First Year					
Spring Semester					
AETC 121	Programmable Logic Controllers OR	3	5	2	3
TECN 133	Mechanical Systems		5	2	3
ENGR 120	Introduction to Engineering	1	2	1	1
TECN 111	Technical Problem Solving	3	5	2	3
TECN 115	Industrial Blueprint Reading	2	3	1	2
TECN 131	Manufacturing Processes I	3	6	2	4
		12			
Summer Semester					
ALET 113	OSHA10 Construction Safety OR	1	1	1	0
SAFE 105	OSHA General Safety 10 Hour		1	1	0
CADD 111	Introduction to Computer Aided Drafting	2	4	1	3
ELCT 111	Electrical Circuits I	3	5	2	3
TECN 121	Fluid Power	3	4	2	2
> // TECN 287	Work-Based Learning	1			
		10			
Total Semester Credit Hours		22			

Established Nov 15
Effective May 16

1. > Indicates that this course requires a prerequisite.
2. OR Indicates that a student may select either course which may have an effect on the total credit hours.
3. // This course offers an opportunity for experiential learning.

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One-Year Technical Certificate

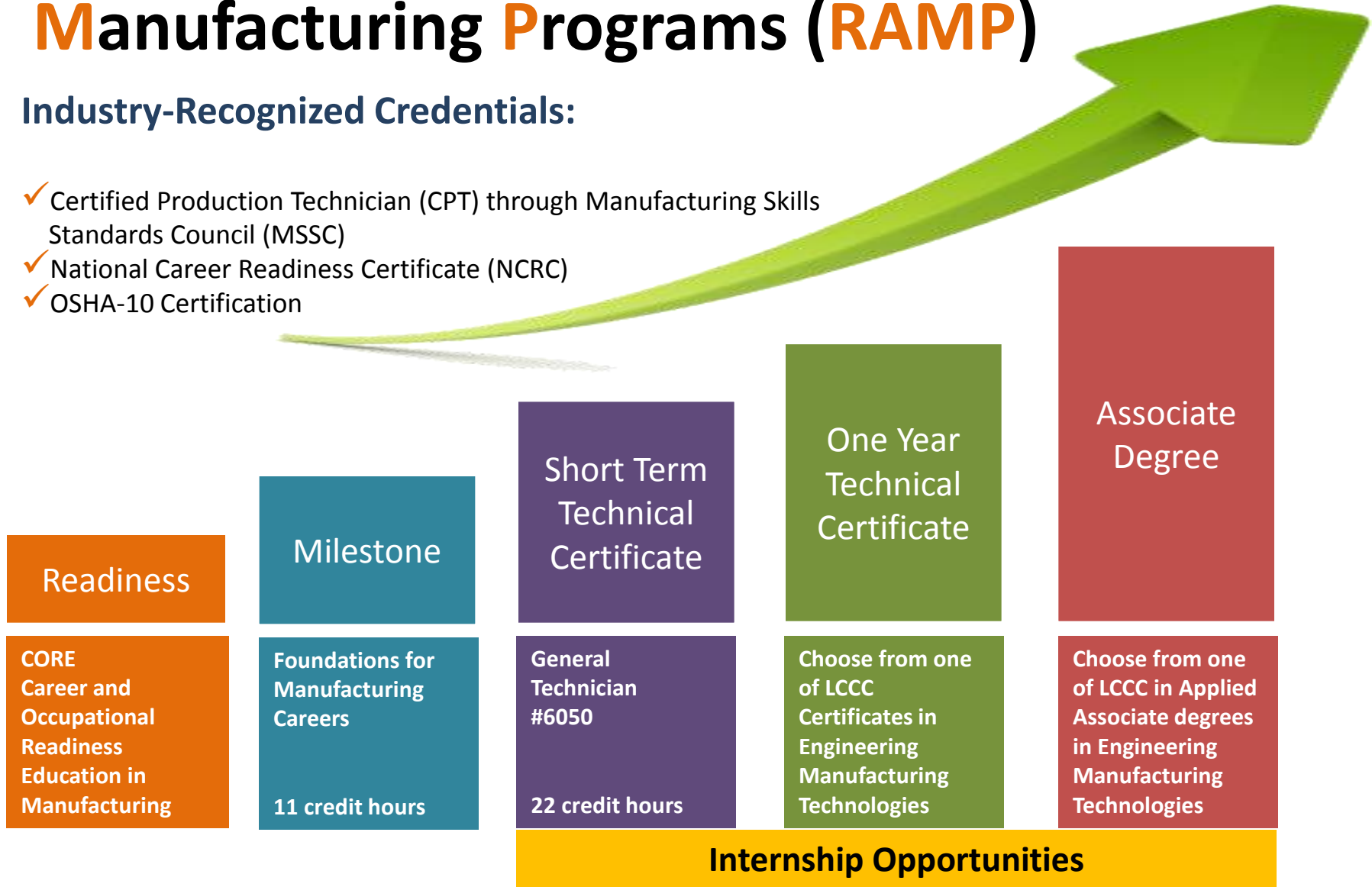
Choose from one of LCCC Certificates in Manufacturing Engineering Technologies

- Computer Aided Design Operator
- Computer Aided Machining Operator
- Industrial Electrical Technician
- Industrial Mechanical Technician
- Quality Technician

Retooling Adults for Manufacturing Programs (RAMP)

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Associate of Applied Science

Choose from one of LCCC Applied Associate degrees in Manufacturing Engineering Technologies

- Computer Aided Machining
- Industrial Electrical Technician
- Industrial Mechanical Technician
- Mechanical Design
- Quality Assurance