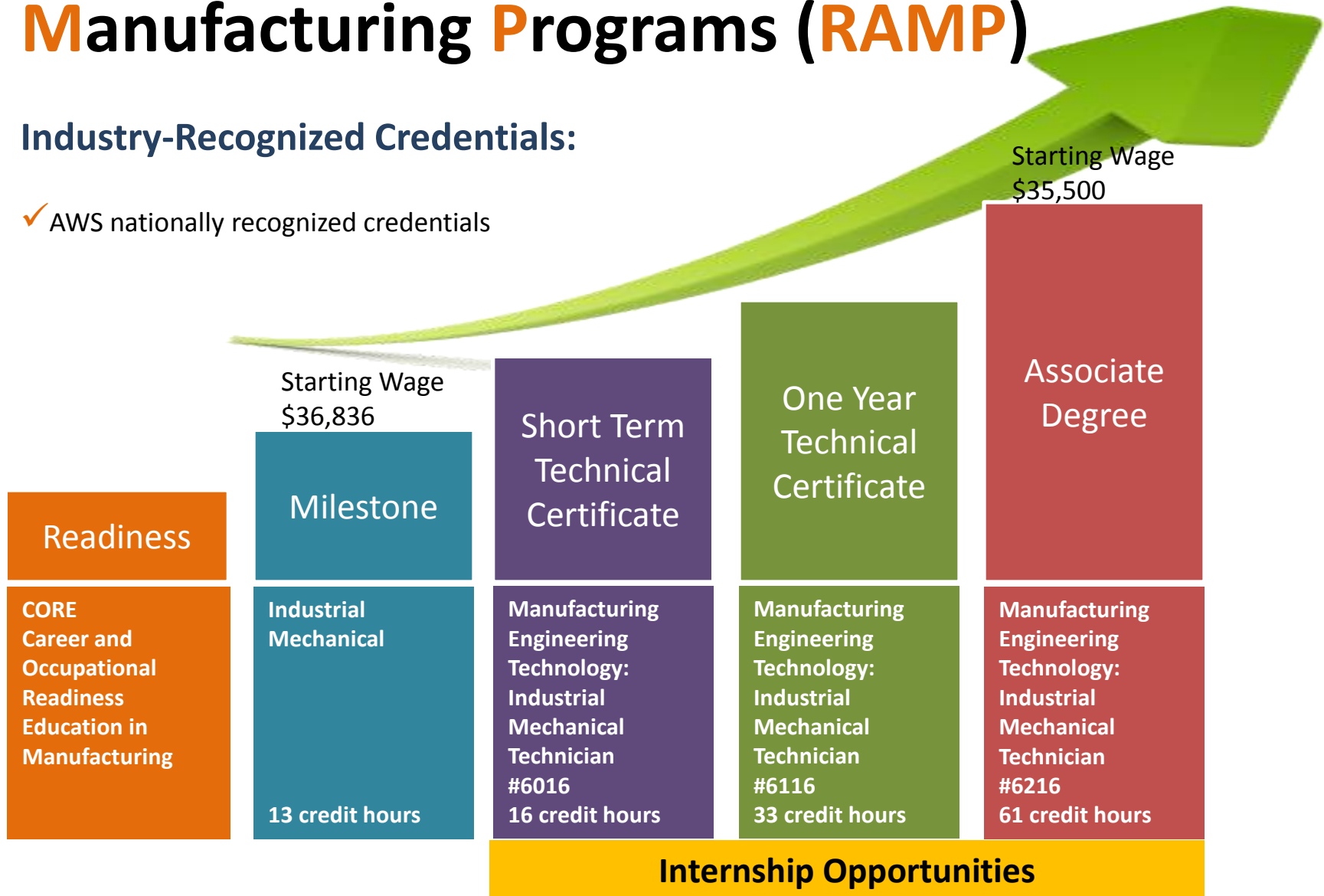


Industrial Mechanical Technician

Retooling Adults for Manufacturing Programs (RAMP)

Industry-Recognized Credentials:

- ✓ AWS nationally recognized credentials



Milestone

Program Overview:

The Industrial Mechanical Technician program is designed to provide students with the knowledge and skills necessary for the competent performance as an entry-level mechanical maintenance technician. AWS endorsed skills credentials:

Industry-Recognized Credentials:

- ✓ AWS nationally recognized credentials

Occupational Title

- Industrial Engineering Technicians
- Industrial Machinery Mechanics

Starting Wage:

\$36,836
\$33,716

Annual Job Openings

87
736

Industrial Mechanical Technician

Retooling Adults for Manufacturing Programs (RAMP)

Industry-Recognized Credentials:

- ✓ AWS nationally recognized credentials



Readiness

CORE
Career and
Occupational
Readiness
Education in
Manufacturing

Milestone

Industrial
Mechanical

13 credit hours

Milestone

Industrial Mechanical Milestone

The milestone denotes industry recognized skills and knowledge necessary for an entry level position. Students successfully completing the specified Milestone for the Industrial Mechanical Technician Associate of Applied Science Degree (Curriculum Code 6216) will be eligible to participate in a Work-Based Learning experience.

Required Courses			Credit Hours	
Δ	ELCT	191	Industrial Electricity	3
Δ☆	SDEV	101	College 101	1
Δ	TECN	115	Industrial Blueprint Reading	2
Δ	TECN	133	Mechanical Systems	3
Δ*	WTEC	108	OXY-Fuel Welding and Cutting	2
Δ	WTEC	111	Welding Specifications & Print Reading	2
				<hr/>
				13

Notes

1. * Indicates that this course requires a prerequisite or may be taken concurrently.
2. Δ Program Milestone course.
3. ☆ A student must register for the orientation course when enrolling for more than six credit hours per semester or any course that would result in an accumulation of thirteen or more credit hours.

Schedule – Industrial Mechanical Milestone

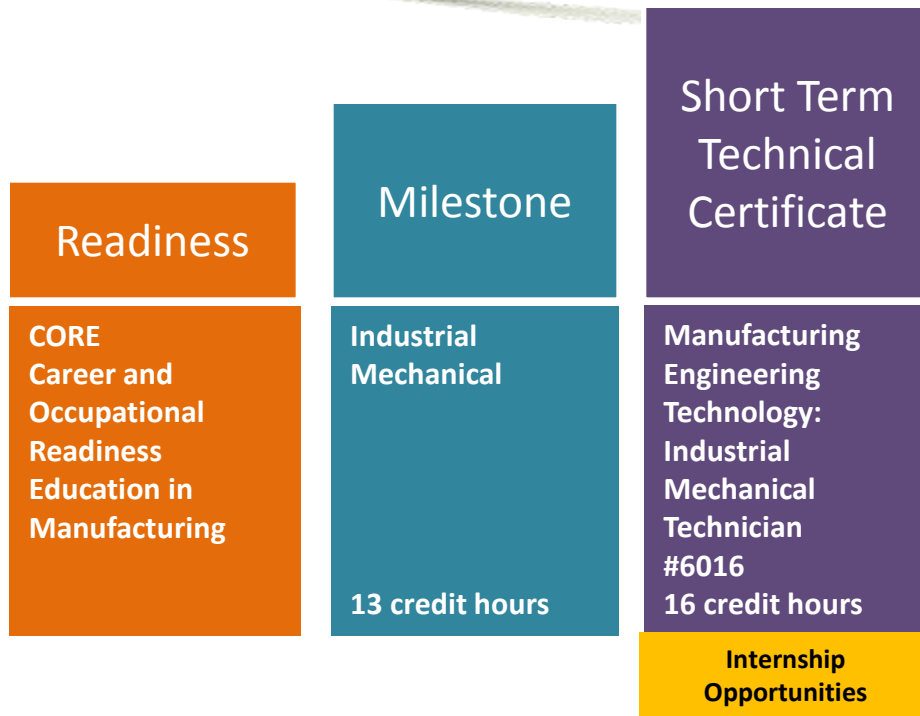
Course Title	Course Name	Days	Time	Dates
ELCT 191	Industrial Electricity [LEC]	M/W	1:00 pm – 1:50 pm	8/28/17 – 12/17/17
ELCT 191	Industrial Electricity [LAB]	M/W	2:00 pm – 3:15 pm	8/28/17 – 12/17/17
TECN 133	Mechanical Systems [LEC]	M/W	3:15 pm – 4:05 pm	8/28/17 – 12/17/17
TECN 133	Mechanical Systems [LAB]	M/W	4:15 pm – 5:30 pm	8/28/17 – 12/17/17
WTEC 108	OXY-Fuel Welding & Cutting [LEC]	T/R	4:00 pm – 4:25 pm	8/28/17 – 12/17/17
WTEC 108	OXY-Fuel Welding & Cutting [LAB]	T/R	4:30 pm – 5:45 pm	8/28/17 – 12/17/17
WTEC 111	Welding Specifications & Print Reading [LEC]	T	6:00 pm – 7:50 pm	8/28/17 – 12/17/17
SDEV 101	College 101	Many Available to Choose From		

Industrial Mechanical Technician

Retooling Adults for Manufacturing Programs (RAMP)

Industry-Recognized Credentials:

- ✓ AWS nationally recognized credentials



Short-Term Technical Certificate

Lorain County Community College
Manufacturing Engineering Technology
Industrial Mechanical Technician
Engineering Technologies Division
Short Term Technical Certificate - Curriculum Code 6016

The Industrial Mechanical Technician program is designed to provide students with the knowledge and skills necessary for the competent performance as an entry-level mechanical maintenance technician. The graduate will be able to perform journeyman level work in installing, repairing, maintaining, and testing of mechanical systems. 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					
Fall Semester					
ELCT 191	Industrial Electricity	3	5	2	3
☆ SDEV 101	College 101	1	1	1	0
* WTEC 108	Oxy-Fuel Welding & Cutting	2	4	1	3
WTEC 111	Welding Specifications & Print Reading	2	2	2	0
		8			
Spring Semester					
TECN 115	Industrial Blueprint Reading	2	3	1	2
* TECN 131	Manufacturing Processes I	3	6	2	4
TECN 133	Mechanical Systems	3	5	2	3
		8			
Total Semester Credit Hours		16			

Established April 15
 Effective May 16

Notes

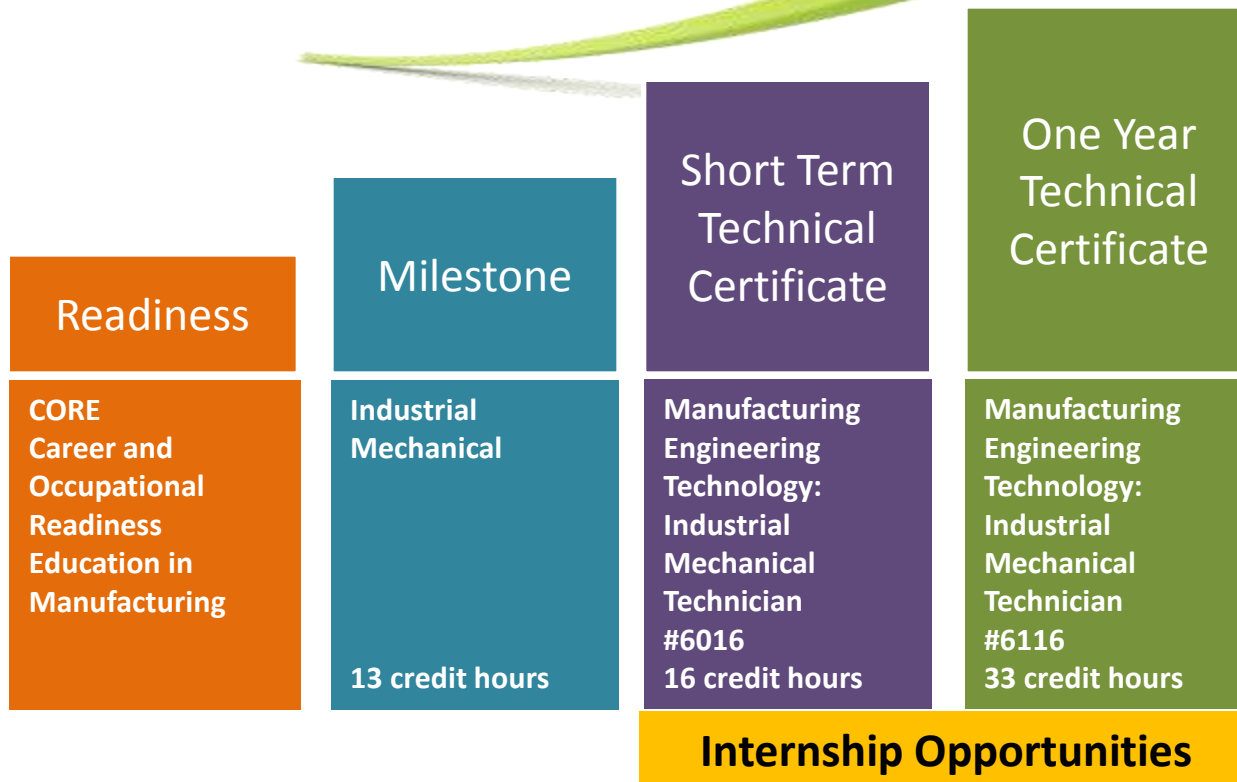
1. * Indicates that this course requires a prerequisite or may be taken concurrently.
2. ☆ A student must register for the orientation course when enrolling for more than six credit hours per semester or any course that would result in an accumulation of thirteen or more credit hours.

Industrial Mechanical Technician

Retooling Adults for Manufacturing Programs (RAMP)

Industry-Recognized Credentials:

✓ AWS nationally recognized credentials



One-Year Technical Certificate

Lorain County Community College
Manufacturing Engineering Technology
Industrial Mechanical Technician
Engineering Technologies Division
One Year Technical Certificate - Curriculum Code 6116

The Industrial Mechanical Technician program is designed to provide students with the knowledge and skills necessary for the competent performance as an entry-level mechanical maintenance technician. The graduate will be able to perform journeyman level work in installing, repairing, maintaining, and testing of mechanical systems. 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					
Fall Semester					
CISS 121	Microcomputer Applications I	3	4	2	2
ELCT 191	Industrial Electricity	3	5	2	3
ENGR 120	Introduction to Engineering	1	2	1	1
MTHM 121	Technical Mathematics I	4	4	4	0
☆ SDEV 101	College 101	1	1	1	0
* WTEC 108	Oxy-Fuel Welding & Cutting	2	4	1	3
WTEC 111	Welding Specifications & Print Reading	2	2	2	0
		16			
Spring Semester					
CMMC 151	Oral Communications	3	3	3	0
ENGL 161	College Composition I	3	3	3	0
TECN 115	Industrial Blueprint Reading	2	3	1	2
* TECN 121	Fluid Power	3	4	2	3
* TECN 131	Manufacturing Processes I	3	6	2	4
TECN 133	Mechanical Systems	3	5	2	3
		17			
Total Semester Credit Hours		33			

Established April 15
Effective May 16

Notes

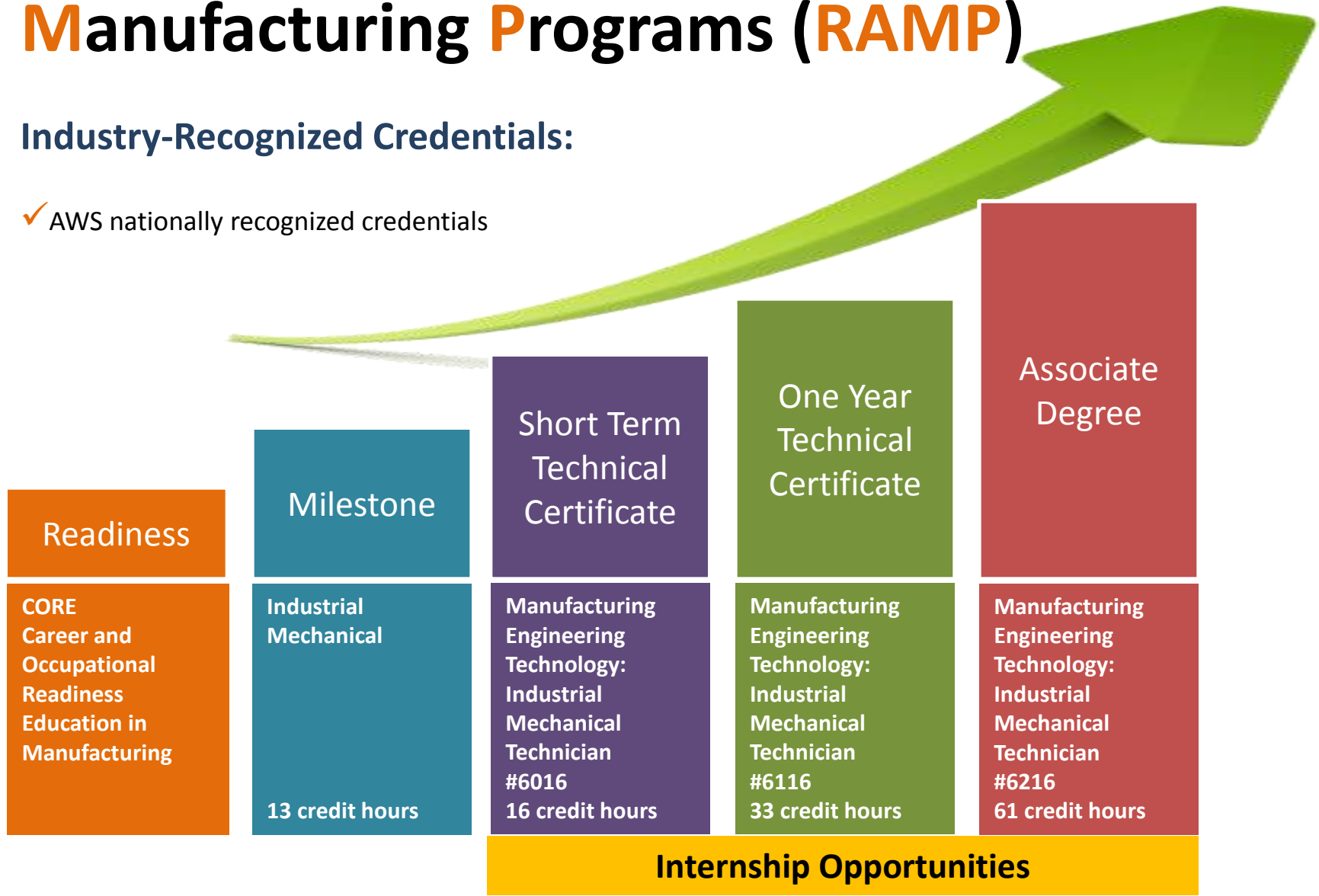
1. * Indicates that this course requires a prerequisite or may be taken concurrently.
2. ☆ A student must register for the orientation course when enrolling for more than six credit hours per semester or any course that would result in an accumulation of thirteen or more credit hours.

Industrial Mechanical Technician

Retooling Adults for Manufacturing Programs (RAMP)

Industry-Recognized Credentials:

✓ AWS nationally recognized credentials



Associate of Applied Science

Lorain County Community College
Manufacturing Engineering Technology
Industrial Mechanical Technician
 Engineering Technologies Division
 Associate of Applied Science - Curriculum Code 6216

The Industrial Mechanical Technician program is designed to provide students with the knowledge and skills necessary for the competent performance as an entry-level mechanical maintenance technician. The graduate will be able to perform journeyman level work in installing, repairing, maintaining, and testing of mechanical systems. 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	Lab Hrs	Lab Hrs
First Year					
Fall Semester					
CISS 121	Microcomputer Applications I	3	4	2	2
Δ ELCT 191	Industrial Electricity	3	5	2	3
ENGR 120	Introduction to Engineering	1	2	1	1
MTHM 121	Technical Mathematics I	4	4	4	0
Δ ☆ SDEV 101	College 101	1	1	1	0
Δ * WTEC 108	Oxy-Fuel Welding & Cutting	2	4	1	3
Δ WTEC 111	Welding Specifications & Print Reading	2	2	2	0
		16			
Spring Semester					
ENGL 161	College Composition I	3	3	3	0
Δ TECN 115	Industrial Blueprint Reading	2	3	1	2
* TECN 121	Fluid Power	3	4	2	3
* TECN 131	Manufacturing Processes I	3	6	2	4
Δ TECN 133	Mechanical Systems	3	5	2	3
		14			
Summer Semester					
TECN 287	Work-Based Learning	1			
		1			
Second Year					
Fall Semester					
CMMC 151	Oral Communications	3	3	3	0
QLTY 121	Quality Assurance Techniques (SPC)	2	4	1	3
> PHYC 150	General Physics I	4	6	3	3
* WTEC 116	Basic Shielded Metal Arc Welding (SMAW)	3	5	2	3
	Arts and Humanities Elective ^	3	3	3	0
		15			
Spring Semester					
EMCH 112	Engineering Materials	3	4	2	2
* QLTY 236	Reliability Centered Maintenance	3	4	2	2
TECN 220	Industrial Piping & Tubing	3	4	2	2
> WTEC 216	Wire Fed Processes	3	5	2	3
	Social Sciences Elective ^^	3	3	3	0
		15			
Total Semester Credit Hours		61			

Notes

1. > Indicates that this course requires a prerequisite.
2. * Indicates that this course requires a prerequisite or may be taken concurrently.
3. ^ Course selected from the following list: ARTS 243, 244, 245, 246, 254; ENGL 251, 252, 253, ENGL 254, 255, 257, 259, 261, 262, 265, 266, 269; HUMS 151, 161, 261, 262, 271, 274; MUSC 262; PHLY 165, 262; RELG 181, 261, 262; THTR 151.
4. ^^ Course selected from the following list: HSTR 151, 152, 161, 162, 171, 252, 267, 268, 269; PLSC 156; PSYH 151; SOCY 151.
5. Δ Program Milestone course.
6. ☆ A student must register for the orientation course when enrolling for more than six credit hours per semester or any course that would result in an accumulation of thirteen or more credit hours.

Established	Jan 14
Revised	Apr 15
Effective	May 17