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

CORE Career and Occupational Readiness Education in Manufacturing

Readiness

- Foundations for Manufacturing Careers
  - 13 credit hours

Milestone

- Engineering Technology: General Technician
  - 22 credit hours

Short Term Technical Certificate

- Engineering Manufacturing Technologies

One Year Technical Certificate

- Choose from one of LCCC Certificates in Engineering Manufacturing Technologies

Associate Degree

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

Starting Wage

- $35,190
- $27,300

Internship Opportunities
General Technician

Program Overview:
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. Program prepares students to earn industry endorsed skills credentials:

Industry-Recognized Credentials:

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Occupational Title                      Starting Wage:                      Annual Job Openings
--------------------------------------------------------------------------------
- Machine Operators and Tenders, Packaging/Fillings  $20,370                      397
- Maintenance & Repair Workers, General          $26,145                      1371
- Machinist                                      $27,300                      937

Data received from OhioMeansJobs.com
General Technician
Retooling Adults for Manufacturing Programs (RAMP)

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CORE Career and Occupational Readiness Education in Manufacturing

13 credit hours
## Foundations for Manufacturing Careers Milestone

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDEV 101  College 101</td>
<td>1</td>
</tr>
<tr>
<td>SAFE 105  General Safety</td>
<td>1</td>
</tr>
<tr>
<td>TECN 111  Technical Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>TECN 131  Manufacturing Processes I</td>
<td>3</td>
</tr>
<tr>
<td>TECN 133  Mechanical Systems</td>
<td>3</td>
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</tbody>
</table>

**Total:** 11
Retooling Adults for Manufacturing Programs (RAMP)

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---

**Readiness**

- CORE Career and Occupational Readiness Education in Manufacturing

**Milestone**

- Foundations for Manufacturing Careers
  - 13 credit hours

**Short Term Technical Certificate**

- Engineering Technology: General Technician #6050
  - 22 credit hours
- Internship Opportunities
## 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 Partnerships.

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

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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CORE Career and Occupational Readiness Education in Manufacturing

- Foundations for Manufacturing Careers: 13 credit hours
- Engineering Technology: General Technician #6050: 22 credit hours

Choose from one of LCCC Certificates in Engineering Manufacturing Technologies

Internship Opportunities
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
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Foundations for Manufacturing Careers
13 credit hours

Milestone

Engineering Technology: General Technician #6050
22 credit hours

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One Year Technical Certificate

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Associate Degree

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Internship Opportunities
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