



UNEMPLOYED OR UNDEREMPLOYED?

NOW AVAILABLE: Training for employment in Advanced Manufacturing

Classes Starting Soon in Welding, Mechatronics and
Production Technician

Information Sessions at
LCC West Campus

5708 Cornerstone Dr. Lansing, MI 48917
Room S152

February 2, 2016 | 11am

March 1, 2016 | 4pm

April 5, 2016 | 10am

May 10, 2016 | 4pm

or

Information Sessions at
Capital Area Michigan Works!

2110 S Cedar St. Lansing, MI 48910

January 21, 2016 | 2pm

February 18, 2016 | 10am

March 17, 2016 | 2pm

April 21, 2016 | 2pm

May 19, 2016 | 2pm

Through the Michigan Coalition for Advance Manufacturing (M-CAM) grant, eight Michigan Community Colleges are working together to build capacity to meet the needs of manufacturing employers for current and future workforce.

Why Manufacturing?

There were approximately 300,000 Job Openings in manufacturing in Nov 2015, according to the U. S. Bureau of Labor Statistics.

www.lcc.edu/bci/mcam



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.

Lansing Community College and MCAM is an equal opportunity employer/program provider. Auxiliary aids and services are available upon request to individuals with disabilities. TTY users please call 1-877-878-8464 or visit www.michigan.gov/mdcr.



Quality Practices and Measurement (MSSC Quality CPT_{AE})

Who should attend

All who are interested in careers in Advanced Manufacturing (from entry-level through front-line supervisor) with a focus on Certified Production Technician.

Why Manufacturing

There were 330,000 job openings in manufacturing in January, 2015, according to the U.S. Bureau of Labor Statistics (BLS)

The CPT_{AE} certification is awarded by the Manufacturing Skill Standards Council (MSSC) which is the nation's leading industry-led training, assessment and certification organization focused on the core technical competencies needed by the nation's frontline production workers.

This program is funded through the Trade Adjustment Assistance Community College and Career Training Grant –US Department of Labor and runs through September of 2016.*

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COURSE PURPOSE

Organizations must continuously improve in order to meet the ever-changing requirements of their customers. Manufacturing associates must possess the skills and be able to apply quality tools and techniques to work together in order to solve problems and help the organization to continuously improve.

This course provides an understanding of blue prints, geometric dimensioning controls, and precision measurement tools and how they are related to quality tools. You will learn basic Quality Practices and Measurements that will enable you to produce high quality products.

For more information:

Contact LCC at 517 483-1857 or bci@lcc.edu



Course Content

Upon completion of this course, the participant will be able to:

- Participate in periodic internal quality audit activities.
- Check calibration of gages and other data collection equipment.
- Suggest continuous improvements.
- Inspect materials and product/process at all stages to ensure they meet specifications.
- Document the results of quality tests.
- Communicate quality problems.
- Take corrective actions to restore or maintain quality.
- Record process outcomes and trends.
- Identify fundamentals of blueprint reading.
- Use common measurement systems and precision measurement tools.

Course Dates

Tuesday and Thursday:

Night class - 5PM - 9PM

June 14, 16, 21, 23, 28, 30

July 12, 14, 19, 21

Course Length

40 hours

Prerequisites

Accuplacer Level 3 scores (or above) in math, reading, and writing **OR** Workkeys Level 4 scores (or above) in math, reading, and locating information must be achieved before starting this course.

Course Assessment

This course includes a post-assessment.

Technology requirements

All technology is provided for participant use in the classroom. It is not necessary for students to bring any technology with them when attending this course.

Hands-on practice

This course contains a variety of hands-on exercises.

Student materials

The following materials are provided with the course package:

- Course book(s) and workbook
- A portfolio containing course content and writing materials.
- Online learning modules through MSSC

Related course(s)

- CPT Certification
- Mechanical Systems Certificate of Achievement
- Automated Systems Technology Certificate of Achievement
- Manufacturing Engineering Technology Certificate of Achievement

Course size

This class can accommodate up to 20 people.

Delivery schedule

Courses will be delivered in a flexible format.

Certificates and/or Credits awarded

- LCC Certificate of Completion
- The CPT_{AE} certification awarded by the Manufacturing Skills Standards Council (MSSC)

For more information:

Contact LCC at 517-483-1857 or bci@lcc.edu



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LANSING COMMUNITY COLLEGE PRESENTS:
FALL 2016

MSSC CPT Safety

September 20 - October 27, 2016

Registration Open Online Now!

Tuesdays and Thursdays | 5:00PM - 9:00PM

This course is a 48-hour, instructor-led, blended media training program provides participants with the knowledge and skills to apply safety measures within the industrial workplace and on construction worksites. The focus of this class will be on the prevention of accidents but will also teach the correct response if an accident should occur.

Upon successful completion, participants will have receive OSHA-10 training and will also have the opportunity to earn the MSSC CPT Safety Certification, as well as certificates in, CPR/AED/Basic First Aid.

This Safety course and assessment also includes cross-functional employability skills (e.g. communications, teamwork, customer awareness, workplace conduct, training ability).

See reverse side for more information.

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Why Manufacturing?
There were approximately 300,000 Job Openings in manufacturing in Nov 2015, according to the U.S. Bureau of Labor Statistics.

www.lcc.edu/bci/mcam

For questions contact:
M-CAM Support
LCC West Campus

Jill Doederlein
(517) 483-9665
doederj@star.lcc.edu

Lansing Community College Presents: MSSC CPT Safety (48 hours)

Course Content

Upon completion of this course, the participant will be able to:

- Identify Local, State, and Federal Safety Regulation
- Work in a safe and productive manufacturing workplace.
- Describe the importance and use of personal protective equipment and practices.
- Perform safety and environmental inspections.
- Perform emergency drills and participate in emergency teams.
- Demonstrate the use of lock-out procedures.
- Identify unsafe conditions and take corrective action.
- Provide safety orientation for all employees.
- Train personnel to use equipment safely.
- Suggest processes and procedures that support safety of work environment.
- Fulfill safety and health requirements for maintenance, installation, and repair.
- Monitor safe equipment and operator performance.
- Utilize effective, safety-enhancing workplace practices.
- Fulfill certification requirements for OSHA-10, CPR, AED and Basic First Aid.

This course includes a post-assessment.

Prerequisites

Accuplacer Level 3 scores (or above) in math, reading, and writing

Certificates and/or Credits awarded

- MSSC Safety Certification (Part of the Certified Production Technician CPTAE certification)
- CPR/AED/Basic First Aid Certificates
- OSHA-10 certificate



Contact:

Lansing Community College
M-CAM Staff

Phone
517-483-9665

Email
doederj@lcc.edu

On-Campus Location

LCC West Campus
5708 Cornerstone Drive
Lansing, MI 48917

Web

lcc.edu/mcam

When:

Sept. 20, 2016 - Oct. 27, 2016

Tuesdays and Thursdays

5:00pm - 9:00pm

Cost:

This course is FREE to students who qualify and are accepted into this program.

Registration:

Open now through September 13, 2016. Seats are limited, register now at:

www.lcc.edu/mcam





Interested in a Technical Career?

Come to the two-day **MANUFACTURING EXPLORATORY** *Weekend Event*

May 13-14, 2016

What is Manufacturing Exploratory?

- Explore the exciting field of Welding with the Virtual Welders
- Enhance your team building and communication skills through an active Team Build activity
- Opportunity to take the Accuplacer assessments at Capital Area Michigan Works! (CAMW!)
- Discover your DiSC behavioral style to improve work production, teamwork, and communication
- Earn a Fork Lift Certification



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Manufacturing Exploratory

Friday, May 13, 2016

Saturday, May 14, 2016

Times: 8am-5pm

Locations:

CAMW! on May 13

2110 S. Cedar St.

Lansing, MI 48910

LCC West Campus on May 14

5708 Cornerstone Drive

Lansing, MI 48917

Enrollment is limited!

RSVP NOW!

Online:

www.lcc.edu/bci/events/exploratory.aspx

Phone:

(517) 483-9744

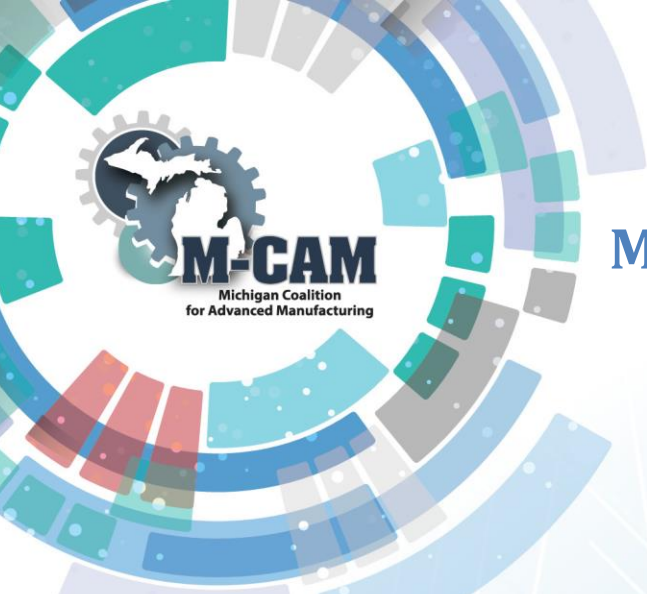
For questions, please contact:

Jill Doederlein

(517) 483-9665

doederj@star.lcc.edu





Lansing Community College Presents: MECHATRONICS HYBRID PROGRAM

Mechatronics is an exciting, interdisciplinary field that combines electrical engineering, mechanical engineering, materials, robotics, and control systems. This is a great field for technically minded engineers who enjoy working on software, hardware, and everything in between.

Mechatronics has applications in manufacturing, aeronautics, and any other industry that relies on automation. It is not only intellectually stimulating, but offers a wide array of job opportunities in academic and industrial settings. Anyone with an engineering mindset and a broad set of interests could find endless rewarding challenges in the field of mechatronics, and as robotics continues to gain popularity in manufacturing, military, and even home-use applications, there will be no shortage of jobs in the industry.

Enrollment ends July 1, 2016 for this Open Entry/Open Exit program.

The Mechatronic Program is broken down into 3 blocks. We will also be developing a Capstone after each area and including PMMI and/or Siemens certifications for students as they progress through the program.

- **Block 1 – AMT Safety, Computer Literacy, Machine Tool Operations, Print Reading, and Basic Welding**
- **Block 2 – Basic Electrical, AMT Fluid Power & Electrohydraulic/Pneumatics, Mechanical Systems/Mechanical Drives/Power Transmissions, and Controls and Instrumentation**
- **Block 3– PLC Allen-Bradley/Rockwell, Robotics, General PM and Predictive Maintenance**

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Certified Production Technician

(CPT_{AE})

*Mondays through Thursdays
February 13, 2017 – March 8, 2017
LCC West Campus / Room S151
6:00pm – 10:00pm*

LCC West Campus
5708 Cornerstone Drive
Lansing, MI 48917
www.lcc.edu/mcam



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COURSE PURPOSE

The Certified Production Technician (CPT_{AE}) is an industry-recognized program to prepare individuals for careers in Advanced Manufacturing Production (from entry-level through front-line supervisor) through the successful completion of certification assessments. This program is made up of four classes: Safety, Quality Practices & Measurement, Manufacturing Processes & Production and Maintenance Awareness.

The goal of the CPT_{AE} certification program is to raise the level of performance of production workers both to assist individuals in finding higher-wage jobs and to help employers ensure their workforce increases the company's productivity and competitiveness.

WHO SHOULD ATTEND?

All who are interested in careers in Advanced Manufacturing (from entry-level through front-line supervisor) with a focus on Certified Production Technician.

Continued on next page.

Course Content

The following courses are included in this training:

- Safety (48 hours)
- Quality Practices & Measurement (40 hours)
- Manufacturing Processes & Production (48 hours)
- Maintenance Awareness (48 hours)

Each module has its own CPT certificate. However, candidates must earn all four certificates to receive the full CPT_{AE} nationally recognized certification.

Prerequisites

Accuplacer Level 3 scores (or above) in math, reading, and writing must be achieved before starting this course.

Technology requirements

All technology is provided for participant use in the classroom. It is not necessary for students to bring any technology with them when attending this course.

Hands-on practice

This course contains a variety of hands on exercises.

Student Materials Provided

- Course book(s) and workbook
- A portfolio containing course content and writing materials.

- Online learning modules

Course length

184 hours

Course assessment

This course includes a post-assessment pertaining to each course in the series.

Recommended delivery schedule

This course is being offered from 8am-5pm on Thursday, October 27, 2016 at LCC West Campus.

Certificates and/or Credits awarded

The CPT_{AE} certification awarded by the Manufacturing Skills Standard Council (MSSC), LCC Certificate of Completion in addition to LCC college credit for Industrial/Construction Safety.

To Register

To register online for this course at:

www.lcc.edu/mcam or please contact LCC at 517-483-9744 or, email rodgei@lcc.edu.



Certified Production Technician (CPT_{AE})

Who should attend

All who are interested in careers in Advanced Manufacturing (from entry-level through front-line supervisor) with a focus on Certified Production Technician.

Why Manufacturing

There were 330,000 job openings in manufacturing in January, 2015, according to the U.S. Bureau of Labor Statistics (BLS)

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The goal of the CPT_{AE} certification program is to raise the level of performance of production workers both to assist individuals in finding higher-wage jobs and to help employers ensure their workforce increases the company's productivity and competitiveness.

These certifications, offer both entry-level and incumbent workers the opportunity to demonstrate that they have acquired the knowledge and skills increasingly needed in the technology-intensive advanced manufacturing jobs of the 21st century.



Course Content

The following courses are included in this training:

1. Safety (48 hours) *
2. Quality Practices & Measurement (40 Hours)
3. Manufacturing Processes & Production (48 Hours)
4. Maintenance Awareness (48 Hours)

Each module has its own CPT certificate.

However, candidates must earn all four certificates to receive the full CPT_{AE} nationally recognized certification.

* Note: Upon successful completion of the Safety module, participants will also receive two college credits for Industrial/Construction Safety (METS-102).

Course length

184 hours

Prerequisites

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Technology requirements

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Student materials

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- Online learning modules through ToolingU

Related course(s)

- CPT Certification
- Mechanical Systems Certificate of Achievement
- Automated Systems Technology Certificate of Achievement
- Manufacturing Engineering Technology Certificate of Achievement

Course size

This class can accommodate up to 20 people.

Delivery schedule

Courses will be delivered in a flexible format.

Certificates and/or Credits awarded

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Course assessment

This course includes a post-assessment pertaining to each course in the series.

For more information:

Contact LCC at 517-483-1857 or bci@lcc.edu





Michigan Coalition for Advanced Manufacturing (MCAM)

Without you we can't build the workforce needed. Will you help us help you?

You hear it every night on the news, our future workers are not getting the education real businesses need. This is about to change. Through the **Michigan Coalition for Advanced Manufacturing grant**, eight Michigan community colleges are working together to build capacity to ***meet the needs of manufacturing employers for today and their future workforce****.

But we need your help! In order to prepare employees for future jobs, we are looking for your input on areas including; curriculum, planning, job shadowing, and company site visits.

Four Main Curriculum Areas

- Welding
- Multi-Skilled Technician (Mechatronics, Industrial Maintenance)
- Manufacturing Production & Assembly

MCAM provides

- Student career plan development
- Expanded career coaching (Success Coach and Career Coach)
- Expanded career preparation courses (resumes, interviews, on-line applications)
- Job development/support
- **FREE** Training opportunities in high demand areas of manufacturing

Our goal is to expansion of the workforce pipeline with employer driven – student recruitment into manufacturing.

If you have any questions or are interested in learning more, please contact:

Heida Meister

MCAM Success Coach

meisterh@lcc.edu or call (517) 483-9634

or

Melissa Misner

MCAM Career Coach

mmisner@camw.net or call (517) 492-5538

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330,000 Job Openings in Manufacturing

in January, 2015, according to the U.S. Bureau of Labor Statistics.

Training for Employment in Advanced Manufacturing

Are you interested in a career in Advanced Manufacturing with opportunity for advancement?
We are offering grant-funded low or no-cost courses in Certified Technician, Welding, and Mechatronics.
You also have access to a Success Coach who is there to guide you through the program.

Certified Production Technician (CPT) and Mechatronics Classes Start Soon!

Join us for an information session:

LCC | West Campus
5708 Cornerstone Drive

June 23 - 2-3pm
July 27 - 2-3pm
August 18 - 5-6pm
Sept. 29 - 3-4pm

Capital Area Michigan Works!
2110 S. Cedar in Lansing

June 25 - 2-3pm
July 9 - 10-11am
August 6 - 2-3pm
Sept. 10 - 10-11am



lcc.edu/bci/mcam
(517) 483-1857



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