

# M-CAM CAREER PATHWAYS Production Operations

Industry Cluster: Manufacturing



## GETTING STARTED

Each college has its own **entrance requirements**. Click on the links below to learn more:

[Grand Rapids Community College](#)

[Kellogg Community College](#)

[Lansing Community College](#)

[Macomb Community College](#)

[Mott Community College](#)

Customized/contract training is available through campus Workforce Centers for incumbent workers to support skills upgrading in mechatronics-related occupations.

## SAMPLE OCCUPATIONS

- **[Sewing Machine Operators](#)**  
Wage Range: \$8.17 - \$16.93/hr
- **[Sewers](#)**  
Wage Range: \$8.17 - \$16.93/hr
- **[Inspectors, Testers, Sorters, Quality](#)**  
Wage Range: \$9.57 - \$27.11/hr

## SHORT-TERM TRAINING (NON-CREDIT)

- **[GRCC: M-CAM Industrial Sewing Class](#)**
- **[GRCC: M-CAM CPT Pathways to Success \(In Development\)](#)**
- **[GRCC: M-CAM Manufacturing Readiness Program](#)**
- **[GRCC: Advanced Manufacturing Certificate](#)**
- **[Mott \(In Development\)](#)**:
  - o Team Building
  - o Technical Mathematics
  - o Lean Manufacturing
  - o 5 S Workplace Organization
  - o Value Stream Mapping
  - o Production Simulation

## SHORT-TERM TRAINING WITH CREDIT ARTICULATION

- **[Kellogg: Kellogg Advanced Manufacturing Assembly Training - KAMA](#)**  
(8.74 Credits)
- **[Lansing: Certified Production Technician \(CPT\)](#)**  
(Upon successful completion of the MSSC Safety module, participants will be eligible to receive two college credits for Industrial/Construction Safety (METS-102).)
- **[Macomb: Production Operator Certificate of Completion](#)**  
(232 contact hours with a Non-Credit to Credit Articulation of 2 Credits)

## SAMPLE OCCUPATIONS

- **[Production Worker, Operator](#)**  
Wage Range: \$8.31 - \$18.36/hr
- **[Assembler](#)**  
Wage Range: \$9.11 - \$26.84/hr
- **[Quality Control](#)**  
Wage Range: \$9.59 - \$27.11/hr

## SAMPLE OCCUPATIONS

- **[Fabricator](#)**  
Wage Range: \$10.19 - \$26.11/hr
- **[Machine Repair](#)**  
Wage Range: \$9.82 - \$27.02/hr
- **[Industrial Engineering Technicians](#)**  
Wage Range: \$18.57 - \$29.96/hr

## CREDIT CERTIFICATES

- **[GRCC: Quality Science](#)** (30 Credits)
- **[GRCC: Tooling & Manufacturing Technology](#)** (31 Credits)
- **[GRCC: Industrial Technology](#)** (30 Credits)
- **[Kellogg](#)**: Welding
- **[Kellogg](#)**: Multi-Skilled/Mechatronics
- **[Kellogg](#)**: CNC/Machining
- **[Lansing](#)**: Welding
- **[Lansing](#)**: Multi-Skilled/Mechatronics
- **[Macomb](#)**: Welding
- **[Macomb](#)**: Multi-Skilled/Mechatronics
- **[Macomb](#)**: CNC/Machining
- **[Mott](#)**: Industrial Welding
- **[Mott](#)**: Multi-Skilled/Mechatronics
- **[Mott](#)**: CNC/Machining

## CERTIFICATIONS OFFERED

- **[Industrial Sewing Certification Program](#)**
  - o **[GRCC](#)**
- **[MSSC - CPT](#)**  
(Certified Production Technician)
  - o **[GRCC](#)**
  - o **[Lansing](#)**
  - o **[Macomb](#)**
  - o **[Mott](#)**

## SAMPLE OCCUPATIONS

- **[Fabricator](#)**  
Wage Range: \$10.19 - \$26.11/hr
- **[Machine Repair](#)**  
Wage Range: \$9.82 - \$27.02/hr
- **[CNC Programmer](#)**  
Wage Range: \$19.12 - \$27.26/hr
- **[Manufacturing Production Technicians](#)**  
Wage Range: \$15.54 - \$44.41/hr
- **[First-Line Supervisors of Production Operating Workers](#)**  
Wage Range: \$16.34 - \$44.27/hr

## ASSOCIATE OF APPLIED SCIENCE

- **[GRCC: Quality Science AAS](#)** (60 Credits)
- **[GRCC: Tooling & Manufacturing Technology AAS](#)** (62 Credits)
- **[GRCC: Industrial Technology AAS](#)** (TBD Credits)
- **[Kellogg](#)**: Welding
- **[Kellogg](#)**: Multi-Skilled/Mechatronics
- **[Kellogg](#)**: CNC/Machining
- **[Lansing](#)**: Welding
- **[Lansing](#)**: Multi-Skilled/Mechatronics
- **[Macomb](#)**: Welding
- **[Macomb](#)**: Multi-Skilled/Mechatronics
- **[Macomb](#)**: CNC/Machining
- **[Mott](#)**: Industrial Welding
- **[Mott](#)**: Multi-Skilled/Mechatronics
- **[Mott](#)**: CNC/Machining

## FOUR-YEAR DEGREE(S)

Check college and university **transfer information** by clicking these links:

[Grand Rapids Community College](#)

[Kellogg Community College](#)

[Lansing Community College](#)

[Macomb Community College](#)

[Mott Community College](#)

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