



## Industrial Technology/Manufacturing

# Production Operator Training Certificate CIMA-4300

---

Production operators within manufacturing are in high-demand in Eastern Iowa. Created in close partnership with local manufacturing employers, this short-term program provides students with a custom-built curriculum that features the essential skills, knowledge, tools, and techniques needed for a career in a manufacturing environment. Learn how to utilize basic manufacturing math, measuring tools, computer systems, health and safety procedures, and professional communication skills that are commonly requested in candidates. At the end of the program, students will have the opportunity to interview with the partner employers and compete for potential job openings in their organizations.

Ready to learn more? Complete our information form at [www.kirkwood.edu/ce\\_certificatesform](http://www.kirkwood.edu/ce_certificatesform) or contact a student advisor today at [ceadvising@kirkwood.edu](mailto:ceadvising@kirkwood.edu) or 319-398-5529.

### Course List:

Applied Math for Manufacturing; Measuring Tools for Manufacturing; Computer Basics for Manufacturing; Power Industrial Forklift Operations; First Aid/CPR; OSHA 10-hour General Industry; Manufacturing Pre-employment; Employed Communication Skills

### Delivery Method:

Classroom, Lab

### Length of Program and CEU Credits:

80 hours, 9.6 CEUs

### Entrance Requirements/Prerequisites:

None

### Other Items to Know About this Course:

All classroom materials are included in the tuition fee and will be provided in class.

### Program Completion Requirements:

Satisfactory completion of all course objectives, as well as 70 percent attendance, are required to complete and receive the certification.

### Industry Credentials Earned:

OSHA 10-hour General Industry, Heartsaver CPR/AED, Forklift

### Pathway to Credit Program:

None

### Tuition Assistance:

Yes

### Course Objectives:

- Learn the fundamental concepts of number systems, including symbology and place value.
- Recognize fundamental mathematical principles, properties, and operation hierarchies.
- Use various mathematical principles and operations to solve manufacturing-related problems and analyses.
- Learn the fundamental tool usage safety considerations when working within a manufacturing environment.
- Understand the theory of precision measurement.
- Recognize the various measurement systems and specifications used in manufacturing environments.
- Identify types of computer applications used in a manufacturing environment.
- Successfully demonstrate inspection and operation of various types of lifts, power lifts, and lift-trucks commonly found in manufacturing environments.
- Demonstrate understanding of general industry safety and health principles, OSHA policies, and procedures.
- Facilitate proper CPR/AED techniques and procedures in accordance with American Heart Association standards.
- Demonstrate successful employment and career search strategies.
- Develop resume and interview techniques based on industry best practices.
- Practice team building and develop successful communication techniques based on real-world manufacturing scenarios.

### Learning Outcomes:

Upon completion of this course, students should be equipped with applicable knowledge of manufacturing math, tools and technology, forklift operation techniques, industry and health safety procedures, and professional communication skills to be able to apply and compete for entry-level positions in the manufacturing industry. Employer partners involved with this curriculum seek to hire graduates directly out of the course.

### Careers:

Source: Career Coach 2019, Kirkwood Community College region.

#### **Assemblers and Fabricators, All Other, Including Team Assemblers**

Average hourly earnings: \$16.14

Starting hourly earnings: \$10.26

Projected job openings (2019 – 2023): 94

#### **Production Workers, All Other**

Average hourly earnings: \$17.00

Starting hourly earnings: \$9.00

Projected job openings (2019 – 2023): 16

### Related Information:

[www.kirkwood.edu/production\\_operator](http://www.kirkwood.edu/production_operator)

### LEARN MORE

Complete our information form at [www.kirkwood.edu/ce\\_certificatesform](http://www.kirkwood.edu/ce_certificatesform) or contact a student advisor today at [ceadvising@kirkwood.edu](mailto:ceadvising@kirkwood.edu) or 319-398-5529.



### Continuing Education

6301 Kirkwood Blvd. SW  
Cedar Rapids, Iowa 52404  
319-398-5529

[www.kirkwood.edu/ce\\_certificates](http://www.kirkwood.edu/ce_certificates)

Kirkwood Community College assumes no liability for accidents that occur while participating in Continuing Education classes and provides no funds to cover medical costs. Participants are reminded that participation is entirely voluntary and are strongly urged to have their own health insurance. It is understood that participation is voluntary and Kirkwood Community College is not responsible for injuries or accidents and all liability against them is waived. Kirkwood Community College declares and affirms that it values and respects diversity and inclusion in all college-sponsored events, all employment practices, and all educational programs and activities. The college will not tolerate unlawful discrimination or harassment of persons on the basis of race, creed, color, sex, sexual orientation, gender identity, marital status, national origin, age, religion, or disability. Anyone who has questions or complaints should contact the vice president of human resources at Kirkwood Community College, 313 Kirkwood Hall, 6301 Kirkwood Blvd. SW, Cedar Rapids, IA 52404, or by phone at 319-398-5572, or the Director of the Office for Civil Rights, U.S. Department of Education, Citigroup Center, 500 W. Madison St., Suite 1475, Chicago, IL 60661-7204, Telephone: 312-730-1560, Fax: 312-730-1576, Email: [OCR.Chicago@ed.gov](mailto:OCR.Chicago@ed.gov).