



# Production Operations

Youth Apprenticeship

## PRODUCTION OPERATIONS

Production Operation youth apprentices gain skills related to the procedures and tools associated with manufacturing operations. Foundation tools, data analysis and troubleshooting are integrated. Apprentices must adhere to industry safety and security standards.

**Length of Apprenticeship:** One year

## OCCUPATIONAL COMPETENCIES

Production Operations youth apprentices must complete a **total of 16** competencies. All **7** Manufacturing Fundamentals Competencies must be complete. No substitutions to this list. **Eight** of the 9 Production Operations competencies listed below must be complete. Employers can substitute up to **1** competency with another occupationally appropriate skill. Substitutions must be added to the competency list for assessment. Note that where necessary, skills can be simulated.

\*\*\*Students who completed a previous Manufacturing YA program do *not* need to repeat the Manufacturing Fundamentals Competencies.

Manufacturing Fundamentals Competencies	Production Operations Competencies
<ol style="list-style-type: none"> <li>1. Focus on customer needs</li> <li>2. Use various instruments</li> <li>3. Operate tools and equipment safely</li> <li>4. Practice quality assurance principles</li> <li>5. Follow personal safety requirements</li> <li>6. Maintain a safe work environment</li> <li>7. Demonstrate professional role to be used in an emergency</li> </ol>	<ol style="list-style-type: none"> <li>1. Assist recording and summarizing financial data</li> <li>2. Support coordination of work schedules and duty assignments</li> <li>3. Use quality tools</li> <li>4. Calibrate tools and equipment (W/S)</li> <li>5. Analyze production productivity processes</li> <li>6. Monitor operations for product and process quality</li> <li>7. Support investigation of root causes of product and/or process failure</li> <li>8. Take corrective action to restore or maintain quality</li> <li>9. Participate in quality improvement processes</li> </ol>

W/S = Worksite Experience or In Simulation

## **REGISTERED APPRENTICESHIP BRIDGING OPPORTUNITIES**

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The following Registered Apprenticeship is available in this area:

- Industrial Manufacturing Technician

## **POST-SECONDARY PATHWAY OPPORTUNITIES**

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There are several post-secondary pathway opportunities in this area. The following is a partial list.

- Industrial Maintenance Mechanic Technical Diploma
- Manufacturing Quality