

TriadWorks' Advanced Manufacturing Pathway

- Quality Assurance Path
- Information Manufacturing Technology Path
- Maintenance Path
- Production Path
- Process Development Path

Quality Assurance Pathway Options



High School Learner

Academic focus before Graduation

- 4 years math/science/social studies/English
- Foreign Language
- Physical Education/Health electives
- Electives
 - *Select* Technology Engineering and Design courses
 - *Select* Trade and Industrial courses
- College Options
 - Continuing Education
 - Diploma
 - Certificate
 - Associate Degree
 - 2 year degree program
 - Bachelor Degree
 - 4 year degree program

Career Options

- Inspector
- Testers
- Sorters
- Samplers
- Weighers

Adult Learner

College Options

- Computer Integrated Machining
- Manufacturing Technology
- Mechatronics Engineering Technology

Career Options

- Inspector
- Lean Lead/Continuous Improvement Specialist
- Quality Control Technician/Analyst
- Quality Control/Quality Assurance Manager

Continuing Education

Diplomas and Certificates

- Computer Integrated Machining (D/C)
- CNC Lathe Operator (C)
- CNC Mill Operator (C)
- OSHA (C)
- Mechatronics Engineering Technology (D/C)

Career Options

- Inspector
- Lean Lead/Continuous Improvement Specialist
- Quality Control Technician/Analyst

Soft Skills Needed

- Positive Attitude
- Ability to Work with Other
- Positive Work Ethic
- Flexibility
- Time Management
- Leadership Capabilities
- Oral/Written Communication
- Enthusiasm

Information Manufacturing Technology Options



High School Learner

Academic focus before Graduation

- 4 years math/science/social studies/English
- Foreign Language
- Physical Education/ Health electives
- Electives
 - *Select* Technology Engineering and Design courses
 - *Select* Trade and Industrial courses
- College Options
 - Continuing Education
 - Diploma
 - Certificate
 - Associate Degree
 - 2 year degree program
 - Bachelor Degree
 - 4 year degree program

Career Options

- A+
- Networking
- MITSA
- Data Entry and Help Desk

Adult Learner

College Options

- Computer Integrated Machining
- Manufacturing Technology
- Mechatronics Engineering Technology

Career Options

- IT Technician
- Network Technician
- IT Manager
- Systems Analyst
- Network Administrator
- Project Manager
- Computer Hardware Engineer
- Computer Software Engineer

Continuing Education

Diplomas and Certificates

- Computer Integrated Machining (D/C)
- CNC Lathe Operator (C)
- CNC Mill Operator (C)
- OSHA (C)
- Mechatronics Engineering Technology (D/C)

Career Options

- IT Technician
- Network Technician

Soft Skills Needed

- | | |
|------------------------------|------------------------------|
| • Positive Attitude | • Time Management |
| • Ability to Work with Other | • Leadership Capabilities |
| • Positive Work Ethic | • Oral/Written Communication |
| • Flexibility | • Enthusiasm |

Maintenance Pathway Options



High School Learner

Academic focus before Graduation

- 4 years math/science/social studies/English
- Foreign Language
- Physical Education and Health electives
- Electives
 - *Select* Technology Engineering and Design courses
 - *Select* Trade and Industrial courses
- College Options
 - Continuing Education
 - Diploma
 - Certificate
 - Associate Degree
 - 2 year degree program
 - Bachelor Degree
 - 4 year degree program

Career Options

- Journeyman
- Process Control Operator/Technician

Adult Learner

College Options

- Computer Integrated Machining
- Manufacturing Technology
- Mechatronics Engineering Technology

Career Options

- Electro-Mechanical Technicians
- Industrial Maintenance Technician (Mechatronics Technician)
- Machinery Maintenance Workers
- Master Mechanic
- Process Control Operator/Technician
- Engineering Technician
- Electrical Engineer
- Engineering Manager
- Industrial Engineer

Continuing Education

Diplomas and Certificates

- Computer Integrated Machining (D/C)
- CNC Lathe Operator (C)
- CNC Mill Operator (C)
- OSHA (C)
- Mechatronics Engineering Technology (D/C)

Career Options

- Electro-Mechanical Technicians
- Industrial Maintenance Technician (Mechatronics Technician)
- Machinery Maintenance Workers
- Master Mechanic
- Process Control Operator/Technician
- Engineering Technician

Soft Skills Needed

- Positive Attitude
- Ability to Work with Other
- Positive Work Ethic
- Flexibility
- Time Management
- Leadership Capabilities
- Oral/Written Communication
- Enthusiasm

Process Development Pathway Options



High School Learner

Academic focus before Graduation

- 4 years math/science/social studies/English
- Foreign Language
- Physical Education and Health electives
- Electives
 - *Select* Technology Engineering and Design courses
 - *Select* Trade and Industrial courses
- College Options
 - Continuing Education
 - Diploma
 - Certificate
 - Associate Degree
 - 2 year degree program
 - Bachelor Degree
 - 4 year degree program

Career Options

- Planning Clerk
- Production Clerk

Adult Learner

College Options

- Computer Integrated Machining
- Manufacturing Technology
- Mechatronics Engineering Technology

Career Options

- CADD Operator
- Engineering Technicians
- Machine Tool Programmer
- Electrical Engineer
- Engineering Manager
- Industrial Engineer

Continuing Education

Diplomas and Certificates

- Computer Integrated Machining (D/C)
- CNC Lathe Operator (C)
- CNC Mill Operator (C)
- OSHA (C)
- Mechatronics Engineering Technology (D/C)

Career Options

- CADD Operator
- Engineering Technicians
- Machine Tool Programmer

Soft Skills Needed

- Positive Attitude
- Ability to Work with Other
- Positive Work Ethic
- Flexibility
- Time Management
- Leadership Capabilities
- Oral/Written Communication
- Enthusiasm

Production Pathway Options



High School Learner

Academic focus before Graduation

- 4 years math/science/social studies/English
- Foreign Language
- Physical Education/Health electives
- Electives
 - *Select* Technology Engineering and Design courses
 - *Select* Trade and Industrial courses
- College Options
 - Continuing Education
 - Diploma
 - Certificate
 - Associate Degree
 - 2 year degree program
 - Bachelor Degree
 - 4 year degree program

Career Options

- Assembler
- Machinist Trainee
- Material Mover
- Operator

Adult Learner

College Options

- Computer Integrated Machining
- Manufacturing Technology
- Mechatronics Engineering Technology

Career Options

- Composite Materials Fabricator
- Millwright
- Mold Maker
- Pipe-welder/Pipefitter
- Team Leader
- Welder
- Welding Supervisor
- CNC Machinist
- CNC Operator
- CNC Programmer
- CNC Supervisor
- Machinist
- Tool and Die Maker

Continuing Education

Diplomas and Certificates

- Computer Integrated Machining (D/C)
- CNC Lathe Operator (C)
- CNC Mill Operator (C)
- OSHA (C)
- Mechatronics Engineering Technology (D/C)

Career Options

- Millwright
- Tool and Die Maker
- Composite Materials Fabricator
- Mold Maker
- Pipe-welder/Pipefitter
- Team Leader
- Welder
- CNC Machinist
- CNC Operator
- CNC Programmer
- CNC Supervisor
- Machinist

Soft Skills Needed

- Positive Attitude
- Ability to Work with Other
- Positive Work Ethic
- Flexibility
- Time Management
- Leadership Capabilities
- Oral/Written Communication
- Enthusiasm