



Sault Area Public Schools
A Great Place to Learn



MANUFACTURING

PATHWAY

ACADEMIC AND CAREER PLANNING

Pathway to Success

Manufacturing



A career in Manufacturing offers the chance to play a key role in producing goods that drive industries and economies. With a variety of paths, from production and engineering to quality control and logistics, this field blends innovation, technology, and practical problem-solving.

Career Options

Explore and discover potential career options in the fields related to manufacturing.

Degree, Certification, and Training Options

Explore the degrees, certifications and training options that are available to help you be successful in the fields related to manufacturing.

Course/CTE Options

Explore the course and program options that are available to students while still in high school to help them prepare for a career in manufacturing.

Resume Builders

Explore the possible experiences that will help build a strong resume.

Career Options Manufacturing

There are several ways to start a career in Manufacturing. The quickest is through on-the-job training, where you learn skills while working. Another option is earning a certification, which typically takes a few months to a year. For those seeking more education, a college degree can take 2 to 6 years. Below are some examples of options for each pathway, though this list is not exhaustive.

01 Jobs That Require On-The-Job Training

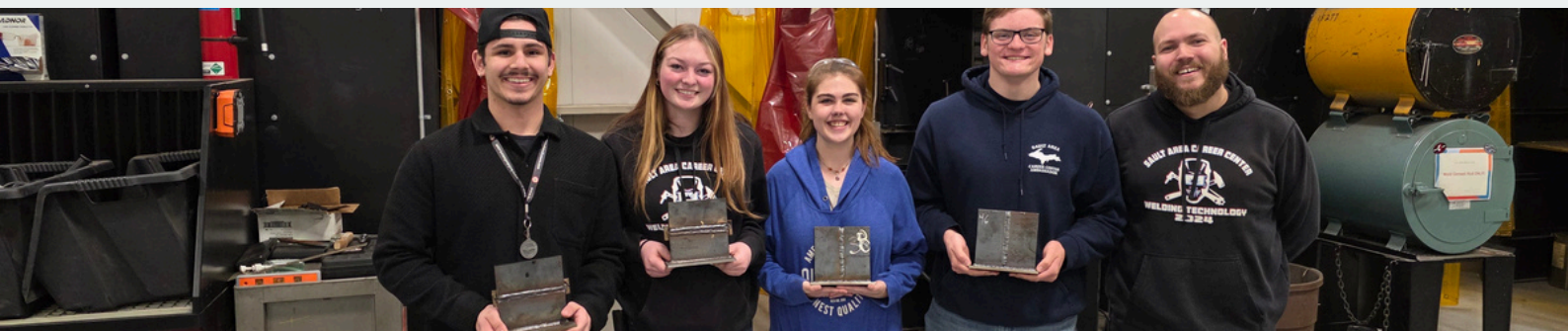
- Assembly Line Worker
- Machine Operator
- Warehouse Worker
- Quality Control Inspector
- Maintenance worker
- Woodshop Technician
- Machinist
- Woodworker

02 Jobs that Require a Certification

- Certified Welder
- CNC Operator
- Lathe Operator
- Certified Forklift Operator
- Certified Maintenance Technician

03 Jobs That Require A Degree

- Welding Engineer
- Materials Engineer
- Furniture Designer
- CNC Programmer
- Manufacturing Project Manager



Finding On-The-Job Training

Manufacturing



On-the-job training is an excellent way to start a career in Manufacturing, allowing you to gain valuable skills while working. This hands-on training is tailored to the specific job, so you can begin gaining experience right away. Many employers in the manufacturing sector, including factories, production plants, and industrial companies, offer on-the-job training programs. To find opportunities, check local job listings, visit company websites, or connect with industry associations that can help link you to employers offering this type of training.

Resources

Michigan Works

Michigan Works has resources that can help locate available jobs and aide in your necessary training.

1118 East Easterday Avenue

Sault Ste. Marie, MI 49783

Phone: (906) 635-1752

Fax: (906) 635-0115

Michigan Relay Center 711

Monday through Friday: 8-5 EST

Indeed

Indeed is a great tool to search for available jobs in your area.

Manufacturing

Obtaining a Certificate

Certificate Programs

Mid Michigan College

[Machine tool - Certificate](#)

[Advanced Integrated Manufacturing
Pre apprentice](#)

[Electrical Apprentice](#)

[Manufacturing - Pre Employment](#)

[Welding - Certificate](#)

[Welding Pre apprentice](#)

Oakland Community College

[Machine Tool Technology - Certificate](#)

[Welding/Fabrication Level 1 - Certificate](#)

[Welding/Fabrication Level 2 - Certificate](#)

Certificate programs in Manufacturing offer specialized training that can be completed in a few months to a year. These programs provide essential skills and credentials that can help advance your career in the manufacturing industry. You can find certificate programs at community colleges, technical schools, and through online platforms. Many industry organizations also offer certifications in areas such as production management, quality control, and industrial safety. To explore your options, check local educational institutions, online course providers, or professional associations related to manufacturing.

Manufacturing

Obtaining a Degree

Bachelor/Associate Degrees

Baker College

[Mechatronics - Associate](#)

Mid Michigan College

[Machine Tools - Associate](#)

[Advanced Integrated Manufacturing
Plastics - Associate](#)

[Advanced Integrated Manufacturing
Management - Associate](#)

[Welding - Associate](#)

[Manufacturing Engineering
Technology - Associate](#)

Oakland Community College

[Industrial Technology
Technological Apprentice](#)

[Machine Tool Technology - Associate](#)

Northern Michigan University

[Electrical Engineering - Bachelor](#)

Lake Superior State University

[Electrical Engineering - Bachelor](#)

Degree programs in Manufacturing provide in-depth knowledge and training, typically taking four to six years to complete. These programs cover a wide range of topics, including production processes, industrial engineering, quality control, and supply chain management, and can open doors to advanced career opportunities. You can find degree programs at universities, colleges, and specialized institutions, with options for both on-campus and online learning. Many schools offer bachelor's and master's degrees in fields like industrial engineering, manufacturing management, and operations research. To explore options, visit university websites, consult academic advisors, or research programs through professional organizations in manufacturing.

Courses/CTE Options

Manufacturing

Plan your schedule with your future goals in mind by exploring common courses, AP courses, CTE programs, and opportunities to earn college credit while still in high school.



Sault High Courses

- AMPED Algebra 1
 - Chemistry
 - Career Readiness
 - Geometry in Construction
 - Physics
 - Physical Chemistry
 - Algebra 1 and 2
 - Geometry
-



AP Courses

- AP Computer Science
-



CTE Programs

- Machining
 - Welding
 - Woodworking
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Dual/Concurrent Enrollment

- College Chemistry
 - Other related options can be talked about with your Counselor or visits the information page **[HERE](#)**.
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See Sault High School Full **[Course Offerings](#)**.

Resume Builders

Job Shadow Experiences

Students who engage in job shadow experiences show proven interest in their future and dedication to their success. If you have questions about job shadowing or want help finding an opportunity contact the MTSS Coordinator.

Intern/Externships

Internships and externships provide valuable opportunities for high school students to gain real-world experience, develop new skills, and explore potential career paths. These experiences can significantly benefit students, both professionally and personally.

Leadership Positions

Holding Leadership Positions shows dedication and passion by the student. It also can be a look into the students hobbies.

Student Organizations

Joining Student Organizations shows a balance in priorities. Please see the Sault Ste Marie **Student Organizations** to find an organization to join!

Volunteer Experiences

Volunteering is a great way to get experience and explore post-secondary options.
