



Sault Area Public Schools
A Great Place to Learn



ARCHITECTURE & CONSTRUCTION

PATHWAY

ACADEMIC AND CAREER PLANNING

Pathway to Success

Architecture and Construction



A career in Architecture and Construction offers the opportunity to shape the built environment and contribute to the development of sustainable, functional spaces. With a wide range of career paths, from design and planning to construction and urban development, this field blends creativity, engineering, and a commitment to improving communities and infrastructure.

Career Options

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

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 Architecture and Construction.

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 Architecture and Construction.

Resume Builders

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

Career Options

Architecture and Construction

A career in Architecture and Construction provides the opportunity to design and build spaces that enhance communities and stand the test of time. With diverse career paths in design, engineering, project management, and construction, this field combines creativity, technical skills, and a focus on sustainability to create structures that meet the needs of today and tomorrow.

01 Jobs That Require On-The-Job Training

- Drafting Assistant
 - Construction Laborer
 - Furniture Installer
 - Appliance Installer
 - Masonry Worker
 - Apprentice Plumber
 - Apprentice Carpenter
 - HVAC Installer
 - Refrigeration Technician Assitant
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02 Jobs that Require a Certification

- CAD Drafter
 - 3D Modeler
 - Architectural Technician
 - Urban Planning Assistant
 - Cabinet Installer
 - Heavy Equipment Operator
 - HVAC Technician
 - Electrician
 - Plumber
 - Carpenter
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03 Jobs That Require A Degree

- Architect
- Product Designer
- Interior Designer
- Interior Decorator
- Construction Manager
- Civil Engineer
- Master Electrician
- Building Inspector
- HVAC Engineer
- Refrigeration



Finding On-The-Job Training

Architecture and Construction



On-the-job training is an excellent way to start a career in Architecture and Construction, providing an opportunity to develop key skills while gaining real-world experience. This hands-on training is often customized to the specific role, allowing you to build practical knowledge from day one. Many employers in this field, including architectural firms, construction companies, design studios, and engineering consultancies, offer on-the-job training. To find these opportunities, check local job listings, explore company websites, or contact industry associations that can connect you with employers offering this type of training.

Indeed

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

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

Obtaining a Certificate

Architecture and Construction

Certificate Programs

Oakland Community College

CAD- Certificate

HVAC/R - Certificates

Collision & Auto Repair

Gogebic Community College

Building Trades - Certificate

Mid Michigan College

CAD & Design Technology - Certification

Electrical Apprenticeship - Certification

Facilities, Heating, Refrigerating, and Air
Conditioning - Certification

Refrigeration and Air Conditioning
Specialist - Certification

Northern Michigan University

Heating, Ventilation, Air Conditioning and
Refrigeration - Certification

Industrial Maintenance - Certification

Certificate programs in Architecture and Construction offer specialized training that can be completed in a few months to a year. These programs equip you with valuable skills and credentials that can enhance your career prospects. You can find certificate programs at community colleges, technical schools, and through online platforms. Many industry organizations also offer certification programs in areas like building design, construction management, project management, and sustainable architecture. To explore your options, check local educational institutions, online course providers, or professional associations related to the architecture and construction fields.

Obtaining a Degree

Architecture and Construction

Bachelor/Associate Degrees

Oakland Community College

[CAD & Engineering Technology - Associate](#)

[Construction Management - Associate](#)

[HVAC/R Systems Technology - Associate](#)

Gogebic Community College

[Automotive Technology - Associate](#)

[Construction Technology - Associate](#)

[Engineering - Associate](#)

Mid Michigan College

[CAD and Tech Design - Associate](#)

[Electrical Engineering - Associate](#)

[Facilities, Heating, Refrigerating, _](#)

[Air Conditioning - Associate](#)

Northern Michigan University

[Electrical/Mechanical Engineering](#)

[Technology - Bachelor](#)

[Construction Management - Bachelor](#)

Degree programs in Architecture and Construction provide comprehensive knowledge and training, typically taking two to six years to complete. These programs cover a broad range of topics, from architectural design to construction management and sustainable building practices, and can lead to advanced career opportunities. You can find degree programs at universities, colleges, and specialized institutions, both on-campus and online. Many schools offer bachelor's and master's degrees in fields like architecture, civil engineering, construction management, and urban planning. To explore your options, visit university websites, consult with academic advisors, or research programs through professional organizations in the architecture and construction industries.

Courses/CTE Options

Architecture and Construction

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
 - Geometry in Construction
 - Career Readiness
 - Algebra 1 and 2
 - Geometry
 - Pre-Calculus
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AP Courses

- AP Language
 - AP Computer Science
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CTE Programs/Courses

- Drafting & Design
 - Auto
 - Construction
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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.
