



Mecosta-Osceola Career Center

Welding & Fabrication CTE Career Cluster: Manufacturing



WHAT TO KNOW

Welding & Fabrication is a one-year program that teaches students various welding and cutting processes: Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), Flux Core Arc Welding (FCAW), spot welding, oxy-fuel welding, brazing, plasma cutting and carbon arc gouging. Students can use metal-working, welding, and cutting processes to fabricate classroom and customer projects. Fabrication tools used include the drill press, shears, power shears, benders, brakes, and CNC plasma cutters. Students who have successfully completed year one may apply for a 2nd year in Welding Advanced Training or enroll in another MOCC Program to add to their technical skill-set. This Advanced Training during the 2nd year will focus on Work Based Learning (WBL), Computer Aided Design (CAD) programs, and/or more in-depth welding processes. Students may complete the American Welding Society (AWS) Sense Level 1 and four different AWS welding certifications.

CLASSROOM AND PROGRAM HIGHLIGHTS

Students may receive Articulated Credit with Post-Secondary Institutions, Michigan Merit Curriculum final-year math experience graduation requirements, go on field trips, tour industries, compete in welding competitions, engage in Work-Based Learning opportunities, and complete industry recognized certifications.

YOUR FUTURE

Employment positions in welding can include Consulting/Inspection Services, Training and Education, Production Welders, Steel Construction Workers, Welding Fabricators, and Welding Engineers.

WELCOME

At the Mecosta-Osceola Career Center, we put learning in the hands of our students and make each day full of meaningful experiences that translate into workplace skills.

Focused and Challenged

Contextual Approach to Learning

Pathway-based Programs



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<https://www.moisd.org/schools/career-center/>

Notice of Nondiscrimination In compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, the Americans with Disabilities Act of 1990, and the State of Michigan's Elliott-Larsen Civil Rights Act of 1977, Section 102(a) it is the policy of the Mecosta-Osceola Intermediate School District that no person shall, on the basis of race, color, religion, national origin or ancestry, gender, age, disability, height, weight, or marital status be excluded from participation in, be denied the benefits of, or be subjected to discrimination during any program or activity or in employment. In addition, arrangements can be made to ensure that the lack of English language skills is not a barrier to admission or participation. Inquiries regarding this policy should be directed to: Superintendent or superintendent designee, Mecosta-Osceola Intermediate School District, 15760 190th Avenue, Big Rapids, MI 49307, Telephone (231) 796-3543.