



Welding Certificate

Why Welding?

According to the American Welding Society, carbon and low-alloy steel represent over 95% of the construction and fabrication metals used world wide. Good mechanical properties over a wide range of strengths combined with relatively low cost and ease of fabrication account for the wide spread use of these steels. These attributes make carbon and low-alloy steels excellent choices for use in appliances, mining and heavy equipment, bridges, buildings, machinery, pressure vessels, offshore structures, railroad equipment, ships, and a wide range of consumer products. The extensive use of these steels means that welding, brazing, and thermal cutting are essential processes of continuing importance. In addition to carbon steel, students will learn how to prepare and weld aluminum and stainless steel (GMAW and GTAW processes). Both aluminum and stainless steels are becoming more commonplace in industry because of their corrosion resistance, strength to weight ratios, recyclability, and their natural luster used for architectural features.

Why Bay College?

The [Welding certificate program](#) at Bay College provides students with specialized classroom and shop experiences concerned with all types of metal welding, brazing and flame cutting. Students will also learn skills necessary for blueprint reading. During their time in the program, students will have the opportunity to gain 2-5 American Welding Society (AWS) certifications. Expanded facilities allow students to work on up-to-date equipment, including robotic welding cells and virtual welding cells.

Contact

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