

# Manufacturing Certifications

Name	Course	Provider	Cost
OSHA	Principles of Manufacturing	CareerSafe Online	Student Pays: \$ 12.50 BBIA Pays: \$ 12.50
<p>The OSHA certification is an online 10 hour course. Students may access the course in class or at home with internet access. The course is broken up into modules with a test at the end of each module. Students must pass with a 70 or above in 3 attempts or less.</p>			
American Welding Society Sense Level	Welding & Advanced Welding	American Welding Society SENSE Program	Student Pays: \$ 7.50 each BBIA Pays: \$ 7.50 each
<p>This certification starts with students successfully completing 8 written tests. The first test covers Safety and Health of Welders and students must earn 100% in 3 attempts or less. The next 3 written tests cover drawings, thermal cutting process and welding inspection and students must earn 75% in 3 attempts or less. There are 4 welding procedures written test on SMAW, GMAW, FACW and GTAW. Students have to get 75% correct in 3 attempts or less to pass each of the 8 written exams. Once all 8 have been passed, students can take up to 5 performance test, in 5 different types of welding. The weld has to be sent to AWS for final approval. If the weld passes, the certification is earned in that specific type of welding</p>			
American Ham Radio	Manufacturing Engineering	ARRL Amateur Radio	Student Pays: \$ 7.50 BBIA Pays: \$ 7.50
<p>This Technician class license is the entry-level license of choice for most new ham radio operators. Earning the Technician license requires passing one examination totaling 35 questions on radio theory, regulations and operating practices. The license gives access to all Amateur Radio frequencies above 30 megahertz, allowing these licensees the ability to communicate locally and most often within North America. This certification is required to participate in the Solar Car race each summer.</p>			