

CERTIFICATE

Electric Arc Welding Certificate

This certificate program prepares students for employment as entry-level welders using any one or all of the three basic types of Electric Arc Welding Technology: Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW) and/or Shielded Metal Arc Welding (SMAW). Students successfully completing this certificate program will be able to perform basic GMAW, GTAW, and SMAW tasks, read/interpret blueprints, complete basic technical math calculations, demonstrate basic computer/Internet skills, and communicate effectively both verbally and in writing.

Students must earn 22 hours for this certificate.

Orientation 1 hour	
COLL	101
Required 21 hours	
BSAD	104 Introduction to Computers (1)
COLL	103 Practical Communication (2)
MATH	104 Technical Math* (3)
DRFT	101 Intro to Engineering Drawing and Print Rdg (3)
WELD	113 Introduction to Welding (3)
WELD	145 Gas Metal Arc Welding (GMAW)* (3)
WELD	150 Gas Tungsten Arc Welding (GTAW)* (3)
WELD	155 Shielded Metal Arc Welding (SMAW)* (3)
Optional Component	
Certification by an American Welding Society (AWS) certified instructor is available for interested students on a fee basis, but AWS certification is a <i>not</i> a requirement for obtaining this certificate.	