



# Welding Program of Study

Prepare for your career in manufacturing, designing, and repairing equipment using metal technologies and welding principles.

## RECOMMENDED COURSE SEQUENCE

- 1** Introduction to Welding (1 credit) (9<sup>th</sup> - 10<sup>th</sup> Grade)  
Students will be introduced to welding technology with an emphasis on basic welding laboratory principles and operating procedures. This course supports integration of academic and technical knowledge and skills. All students will complete the 10-hour OSHA certification.
- 2** Welding 1 (HCTC) (2 credits) (11<sup>th</sup> Grade)  
Through the integration of academic and technical knowledge and skills students apply welding principles to design, manufacture, and repair metal projects. Coursework prepares students for the American Welding Society level one certification.
- 3** Welding 2\* (HCTC) (2 credits) (12<sup>th</sup> Grade)  
Building on the knowledge and skills acquired in Welding 1, students develop advanced welding concepts and skills related to personal and career development while working in the welding shop. Coursework in Welding 2 prepares students for the American Welding Society level 2 certification.

*For more information about CTE Course requirements, view our EMS ISD Course Description Handbook.*

*\*Indicates a TEA approved Advanced*

