

Welding Program of Study

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

1

Introduction to Welding (1 credit) 10th 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) 11th 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) 12th 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.

