



SOLANO
COMMUNITY COLLEGE

Welding Technician (WELD)

Student Education Plan – First Semester

First Name:	Last Name:
Solano Student ID#:	Major:
Educational Goal:	GE Option:

Course	Yes	No
WELD 130		
DRFT 079		
IT 151		
IT 101		
Other (Please specify)		

Counselor Name (if known):	Date:
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For Counselor Use Only - Notes:

Course descriptions below

WELD 130 - Beginning Shielded Metal Arc Welding

Builds arc welding skills with an emphasis on flat and horizontal welding. Course activities prepare students for welding certification and advanced welding classes. Welding applications and parameters are discussed and applied throughout the class developing the student's ability to problem solve and develop welding skills.

DRFT 079 - Blueprint Reading

Provides an understanding and interpretation of a variety of blueprints. Emphasizes the ability to recognize and identify features of mechanical blueprints and architectural blueprints. Also includes basic development of freehand sketching abilities.

IT 151 - Vocational Mathematics

Focuses on mathematical functions, plane and solid geometry, measurement systems, algebra, and trigonometry applied to specific vocational areas.

IT 101 - Introduction to Mechatronics

Provides an understanding of how mechatronic technology in our lives works using only basic science and math concepts. This course explores basic mechatronic systems commonly found in industry and focuses on their principles of operation, histories, and relationships to one another. Topics will include and exploration of and science behind basic mechanics, fluid power, electrical power, and control systems. Students will learn about these mechatronic technologies through lecture, classroom discussion, and laboratory experiments and projects.

IT 101 is required for the Welding Technician Associate's Degree.