

WELDING TECHNOLOGY

PROGRAM DETAILS

Welders keep the world together. That’s why welding is a recession-proof career. Welders are in demand everywhere. And in no state is that more true than in Texas. We have more welders here than anywhere else. Welding is the backbone of manufacturing, including the booming industries in our state: petrochemical, manufacturing, fabrication, and aerospace/aviation.



Structural Welding Technology Pathway

Course	Course Name	Credit Hours
WLDG 1407	Introduction to Welding Using Multiple Processes	4
WLDG 1313	Intro to Blueprint Reading	3
WLDG 1428	Intro to Shielded Metal Arc Welding	4
TECM 1303	Technical Calculations	3

Manufacturing Technology Program of Study

The Manufacturing Technology program of study focuses on the development and use of automatic and computer controlled machines, tools, and robots that perform work on metal or plastic. CTE learners will learn how to setup and operate a variety of machine tools to produce precision parts and instruments. Students will also learn how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.

TSTC AWARDS	Median Wage
Certificate I	\$10-\$26/Hour
Certificate II	\$10-\$31/Hour
Associate Degree	\$14-\$31/Hour

CAREER OPPORTUNITIES



Learn on the exact same kind of cutting-edge, top-notch equipment that professional welders use out in the workforce. No matter where you live in the great state of Texas, you can find our welding courses nearby. TSTC offers the Welding Technology program on all of our campuses — all 10 of them.

Hands-on learning with top-of-the-line technology at the best technical college in the state. Class sizes are small. Training is one-on-one. You'll have every opportunity to learn on the best equipment with the best teachers personally guiding you every step of the way.

Welding Technology Course Information (PEIMS)

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
WLDG 1407 Intro to Welding Using Multiple Processes/ Welding I	13032300 (2 credit)	None	None

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
WLDG 1313 Intro to Blueprint Reading/ Welding II	13032400 (2 credit)	Welding I	None
WLDG 1428 Intro to Shielded Metal Arc Welding/ Practicum of Manufacturing Technology	13033000 (2 credits)	None	None

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
TECM 1303 Technical Calculations/ Applied Mathematics for Technical Professionals	12701410 (1 credits)	None	None