

## Manufacturing, Transportation & Industrial Technology

### GUIDED PATHWAY: WELDING TECHNOLOGY (Pipe Welding)(Certificate)

#### Industrial and Electronic Technologies Department

For more information, visit [www.laredo.edu/](http://www.laredo.edu/) and your academic advisor.

The Welding Technology Program is an intensive program that combines multiple welding processes practical exercises with classroom instruction. This pathway is geared towards students pursuing a focus in Combination Pipe Welding. Students following this pathway will earn a Welding Technology, Combination Pipe Welding, Certificate (C2) or a Welding Technology, Welding Assistant, Certificate (C1).



### SEMESTER BY SEMESTER MAP FOR FULL-TIME STUDENTS<sup>2</sup>

C2	C1		SEMESTER 1	ACTION ITEMS
◆	◆		WLDG 1425- Introduction to Oxy-Fuel Welding and Cutting	<input type="checkbox"/> Meet with your advisor to confirm academic and career goals prior to taking courses and then again before the end of the semester.
◆	◆		WLDG 1417- Introduction to Lay Out and Fabrication	
◆	◆		WLDG 1428-Introduction to Shielded Metal Arc Welding (SMAW)	
◆	◆		WLDG 1407-Introduction to Welding using Multiple Process	
<b>TOTAL SEMESTER CREDIT HOURS: 16</b>				
C2			SEMESTER 2	ACTION ITEMS
◆			WLDG 1453- Intermediate Layout and Fabrication	
◆			WLDG 1434- Introduction to gas Tungsten Arc Welding	
◆			WLDG 2451 – Advanced Gas Tungsten Arc Welding	
◆			WLDG 2435 - Advanced Layout and Fabrication	
<b>TOTAL SEMESTER CREDIT HOURS: 16</b>				
C2			SEMESTER 3	ACTION ITEMS
◆			WLDG 2406-Intermediate Pipe Welding	
<b>TOTAL SEMESTER CREDIT HOURS: 4</b>				
C2			SEMESTER 4	ACTION ITEMS
◆			WLDG 2453-Advanced Pipe Welding	<input type="checkbox"/> Meet with a career advisor for assistance in preparing for job search.  Sign up for commencement
<b>TOTAL SEMESTER CREDIT HOURS: 4</b>				
<b>SEMESTER CREDIT HOURS/PATHWAY TOTAL: 40 SEMESTER CREDIT HOURS</b>				

<sup>1.</sup> Degree plans may change in later catalogs. Be sure to consult with your advisor if you are continuing on an older degree plan.

## Career Information

### Common Job Titles

Welder

### Regional Labor Market Information

**Welders starting salary is about \$12.00/hr. and experienced welders can earn as much as \$80.00/hr.**

### Career and Labor Market Research Tools

Bureau of Labor Statistics: <http://www.bls.gov/ooh/>, O\*NET: <https://www.onetonline.org/>

**Career Resources:** Laredo College career services website provides information on career exploration and employment. Students are encouraged to consult with their area of study advisor for additional career assistance. The above information is provided as a guide and reference tool for occupations related to this program. This is not a guarantee of job placement in any of these occupations after successful completion of an LC program. The common job titles listed are representative titles and are provided for career research. These are not the only occupations possible in this area of study.