



## Welding and Joining Technology Diploma (WAJ2)- 54 Credit Hours FALL START

**Program Description:**

The Welding and Joining Technology diploma program is designed to prepare students for careers in the welding industry. Program learning opportunities develop academic, technical, professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes welding theory and practical application necessary for successful employment. Welders need good eyesight, hand-eye coordination, and manual dexterity. They should be able to concentrate on detailed work for long periods and be able to bend, stoop, and work in awkward positions. In addition, welders increasingly need to be willing to receive training and perform tasks in other production jobs.

Graduates may find employment as oxyfuel cutters, oxyacetylene welders, shielded metal arc welders, GTAW(TIG) welders, GMAW(MIG) welders, automatic cutting machine operators or in related occupations. Salaries in this occupation are estimated to range from \$35,380 - \$58,100 per year (BLS.gov May 2022).

**Day Hours:**

- Carroll, LaGrange, and Murphy hours are 8:00am-1:00pm

**Evening Hours:**

- Carroll, Douglas, and LaGrange hours are 4:00pm-9:00pm

**Contact:**

**Tyler Layton, Program Director**  
770-537-6088  
tyler.layton@westgatech.edu

**To register for classes, Contact:**

**Lauren Seagraves, Advising Coach**  
[advising@westgatech.edu](mailto:advising@westgatech.edu)  
[lauren.seagraves@westgatech.edu](mailto:lauren.seagraves@westgatech.edu)

**Website:**

<https://www.westgatech.edu/program-explorer/manufacturing-and-production/welding-and-joining-technology/>

**Campus:**

Carroll, Douglas (evening only),  
LaGrange, and Murphy (Day only)  
campus

\*Dual Enrollment only campuses  
are Franklin and CEC Coweta

### Set the Track, Start the Track, Stay on Track

*Meet with an Advising Coach to Stay on Track. S = Semester; CR = Credit Hours; FA = Fall; SP = Spring; SU = Summer; ALL=any semester  
Prerequisite must be passed with a "C" or higher to move forward in the program*

✓	Grade	Fall Semester 1	S	CR	Notes & Milestones
		WELD 1000 Introduction to Welding Technology	FA	4	
		WELD 1010 Oxyfuel and Plasma Cutting	FA	4	Prerequisite WELD 1000
		WELD 1040 Flat Shielded Metal Arc Welding	FA	4	Prerequisite WELD 1000 <i>Certificate Completed: Basic Shielded Metal Arc Welder</i>
		EMPL 1000 Interpersonal Relations and Professional Development	ALL	2	
				<b>14</b>	<b>Program Semester Hours</b>
✓	Grade	Spring Semester 2	S	CR	Notes & Milestones
		WELD 1050 Horizontal Shielded Metal Arc	SP	4	Prerequisite WELD 1000, WELD 1040
		WELD 1060 Vertical Shielded Metal Arc	SP	4	Prerequisite WELD 1000, WELD 1050
		WELD 1070 Overhead Shielded Metal Arc	SP	4	Prerequisite WELD 1000, WELD 1060 <i>Certificate Completed: Advanced Shielded Metal Arc Welder</i>
				<b>12</b>	<b>Program Semester Hours</b>

✓	Grade	Summer Semester 3	S	CR	Notes & Milestones
		WELD 1090 Gas Metal Arc Welding	SU, FA	4	Prerequisite WELD 1000, WELD 1070
		WELD 1030 Blueprint Reading for Welding Technology	SU, FA	4	Prerequisite WELD 1000, WELD 1070, and WELD 1090 <i>Certificate Completed: Gas Metal Arc Welder</i>
				<b>8</b>	<b>Program Semester Hours</b>
✓	Grade	Fall Semester 4	S	CR	Notes and Milestones
		ENGL 1010 Fundamentals of English I	ALL	3	
		WELD 1110 Gas Tungsten Arc Welding	ALL	4	Prerequisite WELD 1070, WELD 1090
<b>Choose One Occupational Elective:</b>					
		WELD 1153 Flux Cored Arc Welding -OR- COMP 1000 Introduction to Computers	SU, FA ALL	3 3	<b>Recommended Occupational Elective</b> Prerequisite WELD 1000, WELD 1090 <i>Certificate Completed: Gas Tungsten Metal Arc Welder</i>
				<b>14</b>	<b>Program Semester Hours</b>
✓	Grade	Spring Semester 5	S	CR	Notes and Milestones
		MATH 1012 Foundations of Mathematics	ALL	3	
		WELD 1120 Preparation for Industrial Qualifications	SP	4	Prerequisite WELD 1040, WELD 1070, WELD 1090, and WELD 1110
<b>Choose One Occupational Elective:</b>					
		WELD 1150 Advanced Gas Tungsten Arc Welding -OR- COMP 1000 Introduction to Computers	SP, SU ALL	3 3	<b>Recommended Occupational Elective to complete Pipe Welder Certificate</b> Prerequisite WELD 1000, WELD 1110
				<b>12</b>	<b>Program Semester Hours</b>
Always check online <a href="https://www.westgatech.edu/">https://www.westgatech.edu/</a> and meet with your Advising or Faculty Coach to ensure you are viewing the latest and most accurate information.					

**Note:** Classes are only offered in this order. If students skip a class or fail a class, they will have to wait until the class is offered again in the lockstep rotation. Core class order is optional based on availability, but maintaining full-time status for each semester should be taken into consideration for financial aid benefits.

**Employment Opportunities:** <https://www.westgatech.edu/student-life/career-services/>

**Financial Aid by Program:** <https://www.westgatech.edu/financial-aid/types-of-aid/>

As set forth in its student catalog, West Georgia Technical College complies with the Technical College System of Georgia (TCSG). The TCSG State Board prohibits discrimination on the basis of an individual's age, color, disability, genetic information, national origin, race, religion, sex, or veteran status ("protected status"). No individual shall be excluded from participation in, denied the benefits of, or otherwise subjected to unlawful discrimination, harassment, or retaliation under, any TCSG program or activity because of the individual's protected status; nor shall any individual be given preferential treatment because of the individual's protected status, except the preferential treatment may be given on the basis of veteran status when appropriate under federal or state law. The following person(s) has been designated to manage inquiries regarding the nondiscrimination policies: Equity (Title IX) Coordinator: Melinda Hofius, Assistant Vice President of Student Affairs 770.537.5722, 176 Murphy Campus Blvd., Waco, GA 30182; ADA (Section 504) Coordinators: Students: Zelma Jones, Career and Student Support Services Director, 770.824.5245, 176 Murphy Campus Blvd., Waco, GA 30182, [Student504@westgatech.edu](mailto:Student504@westgatech.edu), Employees: Teresa Jiles, Assistant Director of Human Resources, 770.537.6056, 176 Murphy Campus Blvd., Waco, GA 30182, [wgtchr@westgatech.edu](mailto:wgtchr@westgatech.edu)