



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

### 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).

### Contact:

**Tyler Layton, Instructor**

770-838-3013

[Tyler.Layton@westgatech.edu](mailto:Tyler.Layton@westgatech.edu)

**Richard Hollon, Instructor**

770-947-7353

[Richard.Hollon@westgatech.edu](mailto:Richard.Hollon@westgatech.edu)

**Joe Pennington, Instructor**

706-755-4572

[Joe.Pennington@westgatech.edu](mailto:Joe.Pennington@westgatech.edu)

**Mitch Marshall, Instructor**

706-948-0257

[Mitch.Marshall@westgatech.edu](mailto:Mitch.Marshall@westgatech.edu)

### Website:

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

### Pre-Diploma Requirements

#### Program Specific

- Min GPA 2.0
- Carroll, CEC (Newnan), Douglas, Franklin and LaGrange Campus
- Prerequisites – Minimum Grade of C required

### 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*

✓	Grade	Semester 1	S	CR	Notes & Milestones
		WELD 1000 Introduction to Welding	FA,SP	4	
		WELD 1010 Oxyfuel and Plasma Cutting	FA,SP	4	
		WELD 1040 Flat Shielded Metal Arc Welding	ALL	4	
			<b>12</b>		<b>Program Semester Hours</b>

✓	Grade	Semester 2	S	CR	Notes & Milestones
		MATH 1012 Foundations of Mathematics	ALL	3	
		WELD 1050 Horizontal Shielded Metal Arc	ALL	4	Prerequisites – WELD 1000 and WELD 1040
		WELD 1060 Vertical Shielded Metal Arc	ALL	4	Prerequisites – WELD 1000 and WELD 1050
		WELD 1070 Overhead Shielded Metal Arc	ALL	4	Prerequisites – WELD 1000 and WELD 1060
				<b>15</b>	<b>Program Semester Hours</b>
✓	Grade	Semester 3	S	CR	Notes & Milestones
		ENGL 1010 Fundamentals of English I	ALL	3	
		EMPL 1000 Interpersonal Relations and Professional Development	ALL	2	
		WELD 1090 Gas and Metal Arc Welding	ALL	4	Prerequisites – WELD 1000 and WELD 1070
		WELD 1153 Flux Core Arc Welding – OR – COMP 1000 Introduction to Computers		4 3	Prerequisites – WELD 1000 and WELD 1090
				<b>13</b>	<b>Program Semester Hours</b>
✓	Grade	Semester 4	S	CR	Notes and Milestones
		WELD 1110	ALL	2	Prerequisites – WELD 1070 and WELD 1090
		WELD 1120 Preparation for Industrial Qualifications	ALL	4	Prerequisites – WELD 1000, WELD 1040, WELD 1070 and WELD 1090
		WELD 1030 Blueprint Reading	ALL	4	Prerequisites – WELD 1000, WELD 1070 and WELD 1090
		WELD 1150 Advanced Gas Tungsten Arc Welding – OR – WELD 1153 Flux Core Arc Welding – OR – COMP 1000 Introduction to Computers		3 4 3	Prerequisites – WELD 1000 and WELD 1110  Prerequisites – WELD 1000 and WELD 1090
				<b>10</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.					

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

**Financial Aid by Program:** <https://www.westgatech.edu/wp-content/uploads/2019/02/WGTC-Available-Aid-By-Program-11-17-2023.pdf>

As set forth in its student catalog, West Georgia Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member, or citizenship status (except in those special circumstances permitted or mandated by law). The following persons have been designated to handle inquiries regarding the non-discrimination policies: Equity (Title IX) Coordinator, Dean of Students, 770.537.5722, 176 Murphy Campus Blvd., Waco, GA 30182. ADA (Section 504) Coordinator for Students: Career and Student Support Services Manager, 770.824.5245, 176 Murphy Campus Blvd., Waco, GA 30182, for Employees: Human Resources Manager, 770.537.6056, 176 Murphy Campus Blvd., Waco, GA 30182.