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. *S*alaries in this occupation are estimated to range from $35,380 - $58,100 per year (BLS.gov May 2022).

Contact:

Tyler Layton, Program Director
770-537-6088
tyler.layton@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 Prerequisites – Minimum Grade of C required   • Carroll, CEC (Newnan), Douglas, Franklin and LaGrange Campus   • To register for classes please email advising@westgatech.edu Advising Coach lauren.seagraves@westgatech.edu

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- Fall	S	CR	Notes & Milestones
		WELD 1000 Introduction to Welding Technology	FA SP	4	
		WELD 1010 Oxyfuel and Plasma Cutting	FA SP	4	Prerequisites – WELD 1000
		WELD 1040 Flat Shielded Metal Arc Welding	ALL	4	Prerequisites – WELD 1000
		EMPL 1000 Interpersonal Relations and Professional Development	ALL	2	
				14	**Program Semester Hours**
✓	Grade	Semester 2- Spring	S	CR	Notes & Milestones
		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
				15	**Program Semester Hours**
✓	Grade	Semester 3- Summer	S	CR	Notes & Milestones
		ENGL 1010 Fundamentals of English I	ALL	3	
		MATH 1012 Foundations of Mathematics	ALL	3	
				6	**Program Semester Hours**

✓	Grade	Semester 4- Fall	S	CR	Notes and Milestones
		WELD 1090 Gas Metal Arc Welding	ALL	4	Prerequisites – WELD 1000 and WELD 1070
		WELD 1030 Blueprint Reading for Welding Technology	ALL	4	Prerequisites – WELD 1000, WELD 1070 and WELD 1090
		Occupational Electives (choose one) WELD 1150 Advanced Gas Tungsten Arc Welding -OR- WELD 1153 Flux Cored Arc Welding -OR- COMP 1000 Introduction to Computers		3 4 3	**Faculty recommends WELD 1153** Prerequisites – WELD 1000 and WELD 1110 Prerequisites – WELD 1000 and WELD 1090
				14	**Program Semester Hours**
✓	Grade	Semester 5- Spring	S	CR	Notes and Milestones
		WELD 1110 Gas Tungsten Arc Welding	ALL	4	Prerequisites – WELD 1070 and WELD 1090
		WELD 1120 Preparation for Industrial Qualifications	ALL	4	Prerequisites – WELD 1000, WELD 1040, WELD 1070, WELD 1090, and WELD 1110
		Occupational Electives (choose one) WELD 1150 Advanced Gas Tungsten Arc Welding -OR- COMP 1000 Introduction to Computers -OR- WELD 1153 Flux Cored Arc Welding		3 3 4	Prerequisites – WELD 1000 and WELD 1110 *(1150 cannot be taken in the same semester as 1110 and 1120)* Prerequisites – WELD 1000 and WELD 1090
				12	**Program Semester Hours**

Always check online https://www.westgatech.edu/ and meet with your Advising or Faculty Coach to ensure you are viewing the latest and most accurate information.

Note: If a course is full or unavailable when you to attempt to register, please select an available course from any term listed, given you have satisfied the required pre-requisite.

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