



Welding

Accelerated Career offers qualified students an alternate path to high school graduation. Students choose to simultaneously earn a high school diploma and a college Associate Degree, or a Technical Diploma, or two (2) Technical Certificates of Credit in a specific career pathway. The dual enrollment funding program cap of 30 credit hours applies.

Accelerated Career >>>

Complete all required high school courses:

- **2 English:** American Literature & Another
- **2 Math:** Algebra 1 or Coordinate Algebra & Another
- **2 Science:** Biology & Another
- **2 Social Studies**
- **1 Health/PE**

*All required Milestone/EOC Exams

Welding

Two Technical Certificates of Credit

- **Select any two TCCs from following programs:**
 - FS31 Basic Shielded Metal Arc Welder
 - FC61 Flux Cored Arc Welder
 - GM31 Gas Metal Arc Welder
 - GTA1 Gas Tungsten Arc Welder
 - OSM1 Advanced Shielded Metal Arc Welder

Locations: Macon | Warner Robins | Milledgeville*

Putnam Center | Most Career Academies

Entry Points: Fall, Spring, Summer

*Nights

Total Semesters Needed: 2-3

Total Credit Hours: 18-24 hours between required TCCs

Course Related Materials: Shield, jacket, and safety glasses

Basic Shielded Metal Arc Welder (FS31)

Prepares students for careers in the welding and joining industry. This certificate emphasizes arc welding in the flat position and is pre-requisite to the advanced certificate.

Course #	Pre/Co. Req.	Course Requirements (In suggested sequence)	Seq.	Term Offered*	Credit Hours
WELD 1000	None	Introduction to Welding Technology	1	Fall, Spring, Sum	4
WELD 1010	Co:WELD 1000	Oxyfuel and Plasma Cutting	1	Fall, Spring, Sum	4
WELD 1040	WELD 1000	Flat Shielded Metal Arc Welding	2	Fall, Spring, Sum	4
*Subject to change - varies by campus				Total Hours:	12

If you have additional questions contact us!



Email: highschool@centralgatech.edu

Phone: (478) 218-3752

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Equal Opportunity Institution

Gas Metal Arc Welder (GM31)

Prepares students for welding careers in the MIG process. Topics include an introduction to welding technology, oxyfuel cutting techniques, and MIG welding techniques and processes.

Course #	Pre/Co. Req.	Course Requirements (In suggested sequence)	Seq.	Term Offered*	Credit Hours
WELD 1000	None	Introduction to Welding Technology	1	Fall, Spring, Sum	4
WELD 1010	WELD 1000	Oxyfuel and Plasma Cutting	1	Fall, Spring, Sum	4
WELD 1090	WELD 1000	Gas Metal Arc Welding	2	Fall, Spring, Sum	4
WELD 1040	WELD 1000	Flat Shielded Metal Arc Welding	2	Fall, Spring, Sum	4
Total Hours:					16

Advanced Shielded Metal Arc Welder (OSM1)

Serves as a continuation of the basic certificate. The advanced program provides instruction in shielded metal arc welding in the overhead, horizontal, and vertical positions.

Course #	Pre/Co. Req.	Course Requirements (In suggested sequence)	Seq.	Term Offered*	Credit Hours
WELD 1050	FS31 TCC	Horizontal Shielded Metal Arc Welding	2	Fall, Spring, Sum	4
WELD 1060	FS31 TCC	Vertical Shielded Metal Arc Welding	2	Fall, Spring, Sum	4
WELD 1070	FS31 TCC	Overhead Shielded Metal Arc Welding	3	Fall, Spring, Sum	4
Additional Total Hours (due to prerequisite of FS31 TCC):					12

Flux Cored Arc Welder (FC61)

Provides instruction in flux cored arc welding practices. Topics include an introduction to the welding industry, oxyfuel cutting techniques, and flux cored arc welding practices.

Course #	Pre/Co. Req.	Course Requirements (In suggested sequence)	Seq.	Term Offered*	Credit Hours
WELD 1000	None	Introduction to Welding Technology	1	Fall, Spring, Sum	4
WELD 1010	WELD 1000	Oxyfuel and Plasma Cutting	1	Fall, Spring, Sum	4
WELD 1153	WELD 1000	Flux Cored Arc Welding	2	Fall, Spring, Sum	4
WELD 1040	WELD 1000	Flat Shielded Metal Arc Welding	2	Fall, Spring, Sum	4
Total Hours:					16

Gas Tungsten Arc Welder (GTA1)

Provides instruction in TIG welding techniques. Topics include understanding the nature and culture of the welding industry, oxyfuel cutting techniques, and TIG welding processes.

Course #	Pre/Co. Req.	Course Requirements (In suggested sequence)	Seq.	Term Offered*	Credit Hours
WELD 1000	None	Introduction to Welding Technology	1	Fall, Spring, Sum	4
WELD 1010	WELD 1000	Oxyfuel and Plasma Cutting	1	Fall, Spring, Sum	4
WELD 1110	WELD 1000	Gas Tungsten Arc Welding	2	Fall, Spring, Sum	4
WELD 1040	WELD 1000	Occupationally-related Elective	2	Fall, Spring, Sum	4
Total Hours:					16

*Subject to change - varies by campus