

Dual Enrollment Option B

Welding



High School Graduation Option B 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.

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: *beginning with freshman class
- 2022-23, students will be required to take Personal Finance, Economics & American Government
- 1 Health/PE
- All required Milestone/EOC Exams



- Complete any of the following Technical College Credentials:**
- Any one Associate Degree
 - Any one Diploma Program
 - Two TCCs from approved list

High School Graduation Option B: Welding

Any Two Technical Certificates in Welding:** FS31, GM31, OSM1, FC61, and/or GTA1 (FS31 & GM31 offered at most High School College & Career Academies during *Fall/Spring schedule**)

Location(s): Macon | Warner Robins | Putnam Center

Entry Points: Fall, Spring, Summer

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) *based on a Fall Entry Point

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 1040	WELD 1010	Flat Shielded Metal Arc Welding	2	Fall, Spring, Sum	4
Total Hours:					12

*Subject to change - varies by campus

If you need additional information, contact us:

Email: highschool@centralgatech.edu | **Phone:** (478) 218-3752

*Choose one:

Gas Metal Arc Welder (GM31)

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)

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)

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)

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

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