

SCHOOL OF INDUSTRIAL TECHNOLOGY

Welding Technology Diploma (WT22)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 5 Terms
 Credit Hours Required for Graduation.....50-51

Purpose: The Welding Technology diploma program prepares students for careers in the welding industry. Program learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. Program graduates receive a Welding Technology diploma, have qualifications of a welding technician, and are prepared to take qualification tests required by industry. This program emphasizes welding theory and practical application necessary for successful employment.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® students seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Requirement:

- A grade of “C” or better must be achieved in each occupational course in order to complete the program

Program Courses

<u>Program Courses</u>	<u>Credits</u>
Basic Skills Courses	Total 9 credit hours
COLL 1010 College and Career Success Skills	3
ENGL 1010 Fundamentals of English I	3
MATH 1012 Foundations of Mathematics	3
Occupational Courses	Total 41 credit hours
COFC 1080 Construction Trades Core	4
WELD 1005 Welding and Cutting Fundamentals	3
WELD 1015 Shielded Metal Arc Welding I	4
WELD 1025 Shield Metal Arc Welding II	3
WELD 1035 Gas Metal Arc & Flux-Cored Arc Welding	4
WELD 1045 Gas Tungsten Arc Welding I	3
WELD 1055 Shielded Metal Arc Welding Pipe Welds	3
WELD 1065 GMAW and FCAW Pipe Welds	4
WELD 1075 Gas Tungsten Arc Welding Pipe Welding	4
WELD 1105 Gas Metal Arc Welding-Aluminum	3
WELD 1115 Gas Tungsten Arc Welding-Aluminum	3
WELD 1085 SMAW Stainless Steel Groove Welds	3
OR	
WELD 1110 Gas Tungsten Arc Welding	(4)

Estimated cost of books and supplies for full program is approximately \$650. Additional fees - \$45 lab fee per occupational course.

SCHOOL OF INDUSTRIAL TECHNOLOGY
Gas Metal Arc Welding Certificate (GM21)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 1 Term
 Credit Hours Required for Graduation..... 11

Purpose: The Gas Metal Arc Welding certificate program prepares students for welding careers in the MIG process. Topics include welding and cutting fundamentals, oxyfuel cutting techniques, and MIG welding techniques and processes.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® students seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Requirement:

- A grade of “C” or better must be achieved in each course in order to complete program

Program Courses

Credits

COFC	1080	Construction Trade Core	4
WELD	1005	Welding and Cutting Fundamentals	3
WELD	1035	Gas Metal Arc and Flux-Cored Arc Welding	4

Estimated cost of books and supplies for full program is approximately \$350. Additional fees - \$45 lab fee per occupational course.

Gas Tungsten Arc Welding Certificate (GT31)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 1 Term
 Credit Hours Required for Graduation..... 10

Purpose: The Gas Tungsten Arc Welding certificate program provides students instruction in TIG welding techniques. Topics include understanding the nature and culture of the welding industry, oxyfuel cutting techniques, and TIG welding processes.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® students seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Requirement:

- A grade of “C” or better must be achieved in each course in order to complete program

Program Courses

Credits

COFC	1080	Construction Trade Core	4
WELD	1005	Welding and Cutting Fundamentals	3
WELD	1045	Gas Tungsten Arc Welding I	3

Estimated cost of books and supplies for full program is approximately \$350. Additional fees - \$45 lab fee per occupational course.

SCHOOL OF INDUSTRIAL TECHNOLOGY
Shielded Metal Arc Welding Certificate (SM21)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 1 Term
 Credit Hours Required for Graduation..... 11

Purpose: The Shielded Metal Arc Welding certificate program prepares students for careers in the welding industry. This certificate emphasizes instruction in shielded metal arc welding in the overhead, horizontal, and vertical positions.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® students seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Requirement:

- A grade of “C” or better must be achieved in each course in order to complete program

Program Courses

Credits

COFC	1080	Construction Trades Core	4
WELD	1005	Welding and Cutting Fundamentals	3
WELD	1015	Shielded Metal Arc Welding I	4

Estimated cost of books and supplies for full program is approximately \$350. Additional fees - \$45 lab fee per occupational course.