

# 2025-2026 TTC Catalog

## Welding Gas Metal Arc and Flux Cored Arc

### Certificate in Applied Science

#### 26 Credit Hours

This certificate teaches beginning and intermediate welding students the principles and practices of gas metal arc and flux cored arc welding in preparation for entry into the welding fields of manufacturing, construction, transportation and maintenance.

#### Major Requirements

IET 223 Industrial Safety 3

WLD 118 Gas Metal Arc Welding Ferrous I 4

WLD 119 Gas Metal Arc Welding Ferrous II 1

WLD 120 Flux Cored Arc Welding I 4

WLD 123 Gas Metal Arc Welding Non-Ferrous II 1

WLD 127 Structural Blueprints I 3

WLD 141 Weld Quality 2

WLD 150 Specialized Welding 4

or

WLD 231 Gas Metal Arc and Flux Cored Arc Welding Pipe I 4

WLD 201 Welding Metallurgy 2

WLD 203 Structural Blueprints II 2

Total: 26

#### Admission Requirements

Students who are at least 18 years old and have acceptable scores from the SAT, ACT or placement test can be admitted into this program without a high school diploma or GED.