

# 2021-2022 TTC Catalog

## Welding Gas Metal Arc and Flux Cored Arc

### Certificate in Applied Science

#### 25 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

EGT 114 Welding Print Basics 2  
EGT 117 Welding Print Principles 2  
WLD 110 Welding Safety and Health 1  
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 141 Weld Quality 2  
WLD 201 Welding Metallurgy 2  
WLD 232 Gas Metal Arc-Flux Cored Arc Welding Pipe II 2  
WLD 150 Specialized Welding 4  
or  
WLD 231 Gas Metal Arc and Flux Cored Arc Welding Pipe I 4

Total: 25 Admission into this program requires qualifying scores on SAT, ACT or TTC's placement test. High school graduation is not required if you are at least 18 years old.