

# 2025-2026 TTC Catalog

## Welding Shielded Metal Arc

### Certificate in Applied Science

#### 26 Credit Hours

This certificate teaches beginning and intermediate welding students the principles and practices of shielded metal arc welding in preparation for entry into the welding fields of construction, fabrication and maintenance.

#### Major Requirements

IET 223 Industrial Safety 3  
WLD 111 Arc Welding I 4  
WLD 114 Advanced Arc Welding 1  
WLD 127 Structural Blueprints I 3  
WLD 141 Weld Quality 2  
WLD 170 Qualification Welding 4  
WLD 201 Welding Metallurgy 2  
WLD 203 Structural Blueprints II 2  
WLD 226 Arc Welding Pipe II 1  
WLD 222 Advanced Fabrication Welding 4  
or  
WLD 225 Arc Welding Pipe I 4

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.