



**Pioneer Technology Center Career Major
Required Courses**

WT01 CM Combination Welder

WT13 Air Carbon Arc Cutting & Gouging	15
WT14 GMAW/FCAW Equip & Setup	15
WT15 Metal Characteristics and Properties	30
WT16 Plasma Arc Cutting	15
WT17 SMAW Electrodes	15
WT18 SMAW Equipment and Setup	15
WT19 Weld Joint Fit-up and Adjustment	15
WT20 Weld Quality	15
WT24 Fundamentals of Cutting Processes	30
WT27 Metal Preparation and Heat Treatment	30
WT28 Oxyfuel Cutting	30
WT29 SMAW Groove Welds with Backing	30
WT31 Welding Blueprints	30
WT32 Welding Detail Drawings	30
WT33 FCAW Pipe	45
WT34 FCAW Plate	60
WT37 GMAW Plate	60
WT39 GTAW Aluminum Plate	45
WT40 GTAW Equipment and Filler Materials	15
WT41 GTAW Plate	60
WT44 GMAW Pipe	60
WT49 SMAW Open Root Pipe Welds	60
WT51 SMAW Bead Welds and Fillet Welds	60
WT53 Fundamentals of Welding	30
WT58 Fundamentals of Metal Fabrication	75
WT59 Production Metal Work	75
WT60 Introduction to Subarc and Subarc Welding	30
WT57 Career Readiness	60

1050 MN007 - Welding and Metal

Renewed 2020-2021

CIP - 48.0508

SOC Code - 51-4121.06

CERT - 4301 - SMAW, 4302 - GMAW, 4303 - FCAW, 4304 -GTAW, 4305 - Cutting Process Operator, 4401 - Certified Welder, 4404 - Oklahoma Welder Cert; WorkKeys Career Readiness Certificate