Kentucky CTE

Advanced Manufacturing: Welding Technology: Oxy-Fuel Systems and Lab 480523 (2026–2027)

Practice and perform safe shop procedures at all times. 1	1 Practice and perform safe shop procedures at all times. 1
Apply the technical math required for employment opportunities in welding. 2	2 Apply the technical math required for employment opportunities in welding. 2
Perform all duties with emphasis on integrity, responsibility, quality, discipline and teamwork. 3	3 Perform all duties with emphasis on integrity, responsibility, quality, discipline and teamwork. 3
Practice oxy-fuel welding safety procedures. 4	4 Practice oxy-fuel welding safety procedures. 4
Use shop equipment and tools. 5	5 Use shop equipment and tools. 5
Apply principles of oxy-fuel systems to cut, weld, braze, and braze-weld with oxy-fuel. 6	6 Apply principles of oxy-fuel systems to cut, weld, braze, and braze-weld with oxy-fuel. 6
Apply principles of co	7 Apply principles of controlling distortion. 7

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Set up components of oxy-fuel equipment and set up procedures. 8	**8 Set up components of oxy-fuel equipment and set up procedures.** 8
Apply oxyfuel-cutting applications and procedures. 9	**9 Apply oxyfuel-cutting applications and procedures.** 9
Apply oxy-fuel welding applications and procedures. 10	**10 Apply oxy-fuel welding applications and procedures.** 10
Apply brazing and braze welding principles and applications. 11	**11 Apply brazing and braze welding principles and applications.** 11