

WELDER

First-year Apprentice Learning Plan

Please indicate in the appropriate course column the skills to be focused on in this 125-hour course.
Feel free to add skills specific to your work site.

Trade Skills and Tasks	RAP 15 125 hrs	RAP 25A 250 hrs	RAP 25B 375 hrs	RAP 25C 500 hrs	RAP 35A 625 hrs	RAP 35B 750 hrs	RAP 35C 875 hrs	RAP 35D 1000 hrs
	RAP 1663	RAP 2663	RAP 2664	RAP 2665	RAP 3663	RAP 3664	RAP 3665	RAP 3666
Demonstrates basic calculation and measurement specific to trade (metric/imperial)								
Checks measurements and fit prior to welding								
Cuts metal with hand, shearing, power and abrasive power tools								
Ensures welds are correctly sized and defect-free								
Fits and assembles parts								
Grinds and finishes the assembly								
Identifies basic welding tools and materials								
Operates pipe cutters								
Orders stock – selects, lays out and shapes materials								
Plans the sequence of operations								
Stores consumables for welding								
Verifies material and maintains checklists								
Cuts metal with oxy-fuel and/or plasma arc								
Heats metal								
Identifies intermediate and advanced welding tools and materials								
Identifies welds								
Maintains welding equipment								
Performs post-weld heat treatment as required								
Sets up system								
Follows shut-down procedures								
Performs final welds								
Welds with flux core and/or gas metal arc welder								
Welds with shield metal arc welder								

Note: These skills and tasks are taken directly from the *Apprenticeship and Industry Training Record Book* (Blue Book) as a general guideline of the training required for a first-year RAP student.

Employer's Signature

Student's Signature

Off-campus Coordinator's Signature