

## MA 1282: Oregon Columbia Roofers JATC Work Process Summary

Work Process	Hours
Apprentices must obtain an OSHA 10-hour card by the end of the first 1000 OJT hours in the program.	
a. General	540
1) Identification of materials	
2) Types of roofs	
3) Carrying and placing materials for use of journeyperson	
4) Erection of hoists	
5) Hoisting, loading, and unloading all materials and tools	
6) Proper clothing and personal protective (safety) equipment	
7) Safe work practices	
8) Fall protection	
b. Built-up roofing, waterproofing and damp-proofing, composition, tar asphalt, and general work	1300
1) Identification of equipment and materials	
2) Regulating the heat of bitumen to roof surfaces; application of bitumen to roof surfaces	
3) Preparing surfaces	
4) Preparing, cutting, placing, fitting, trimming strips of felt, other membranes, insulation boards to surfaces	
5) Applying additional layers of material as required	
6) Flashing with bitumen or roof cement	
7) Applying aggregates or ballast over composition and single-ply membranes	
8) Installing liners for reservoirs and hazardous waste receptacles	
9) Applying single-ply materials as waterproofing, damp-proofing, burn hazards	
c. Steep roofing, slate, tile, shingles, and substitute materials	360
1) Types of materials, including photovoltaic shingles	
2) Underlayments	
3) Punching nail holes, cutting and trimming slate, types of roofs and identification of hips, ridges, valleys	
4) Sealing ridges	
5) Flashing	
6) Replacing broken or missing slates or shingles	
7) Dangers of removing asbestos shingle roofs	
d. Single-ply material	900
1) Systems, including Polyvinyl chloride (PVC)	
2) Ethylene propylene monomer (EPDM) systems	
3) Chlorinated polyethylene (PE) systems	
4) Chlorosulfonated polyethylene (CSPE or HYPALON) systems	
5) Neoprene	
6) Butyl rubbers	
7) Polyisobutylene (PIB) systems	
8) Ethylene interpolymers (EIP) systems	
9) Modified systems	
10) Fastening methods/termination/compression bars, anchors, mechanically attached/fully adhered systems	
11) Ballast, pavers, walkways	
12) Caulking, sealant	
e. Reroofing	360
1) Reroofing or recovering of existing buildings	
2) Proper job set-up	
3) Safe disposal of debris	
4) Unique safety requirements	
f. Other	180
1) Butyl rubber (sheet and liquid), neoprene	
2) Hypalon	
3) Epoxy coatings, acrylic coatings, resin emulsions, plastic coatings and urethane foam	
4) Safe work practices	
5) Felt, wood, lumber, insulat'g board pitch, flashing cement, gravel, slag, precast tile blocks, cement mortar, grout, dilute acid solution	
g. Safety	360
<b>TOTAL</b>	<b>4000</b>