

INSULATOR

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 4136	RAP 5136	RAP 5137	RAP 5138	RAP 6136	RAP 6137	RAP 6138	RAP 6139
Demonstrates basic calculation and measurement specific to trade (metric/imperial)								
Follows health and safety regulations								
Practises safety on the job								
Applies safe work practices								
Reads blueprints and specifications pertaining to the project								
Applies and secures insulation to high temperature equipment								
Applies insulation to high and medium temperature piping systems								
Fabricates and applies various types of metal jacketing to high and medium temperature piping								
Applies insulation to low temperature cryogenic systems, equipment and piping								
Commercial Piping Systems – applies insulation, finishing materials, canvas, PVC plastic or metal								
Equipment – applies insulation; installs canvas, plastic or metals; applies cement or mastic coating								
Duct Insulation – determines application of pins; applies and secures flexible and rigid duct insulation, glassfab and mastic, canvas finish and metal finish								
Fabricates and applies various types of removable insulation – layout, fabricate and install soft and rigid covers								
Asbestos Abatement – follows procedures and adheres to safety regulations; seals off work areas and ventilation systems; installs warning signs, no-fault electrical systems and builds necessary containments								
Assembles damming and sealing materials necessary for various wall and floor penetrations								
Applies fire-stopping materials to pipes, conduit pipes and insulation, plastic pipes, ducts, cables and instrument tubing, through walls and floors								
Sprays mastics and foams to various substrates, equipment cavities, vessels and pipes								

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