

TRANSPORT REFRIGERATION TECHNICIAN

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 4252	RAP 5252	RAP 5253	RAP 5254	RAP 6252	RAP 6253	RAP 6254	RAP 6255
Demonstrates basic calculation and measurement specific to trade (metric/imperial)								
Identifies potential health and safety hazards in the workplace								
Safely operates and maintains material handling equipment								
Handles and stores hazardous material, including chemicals, parts and cores								
Assures personal safety and protection from fire hazards								
Uses and maintains tools and equipment in a safe manner								
Use of Oxyacetylene Equipment – demonstrates safe torch operation, cutting and welding/soldering procedures, performs repairs, installation and fabrication using the torch								
Preventive Maintenance – services the lubrication system of units, including lubrication, oil and filters; performs maintenance on the electrical system, refrigeration unit, cooling system and fuel system								
Refrigeration – performs leak tests and corrects leaks as necessary, uses test instruments, performs system recharge, maintains compressors								
Electrical – performs electrical tests and diagnoses problems using meters; diagnoses and overhauls mechanical generating systems; diagnoses and overhauls starting systems; performs electrical power supply system checks and maintenance; tests, replaces or overhauls electrical motors								
Engines – diagnoses engine problems; performs engine valve train and head repairs; replaces engines according to manufacturers' specifications; performs exhaust system repairs and replacement; performs fuel injection maintenance; diagnoses and repairs governors; maintains emission control systems								
Auxiliary Heaters – understands and uses safety precautions when lighting, servicing and installing; recognizes and records all malfunctions								
Cargo Containers – understands the functions of insulation and seal repairs; understands loading techniques for proper air circulation; understands food preservation, methods, precautions and conditions								

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