

HEAVY EQUIPMENT TECHNICIAN (HET)

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 1988	RAP 2988	RAP 2989	RAP 2990	RAP 3988	RAP 3989	RAP 3990	RAP 3991
Demonstrates basic calculation and measurement specific to trade (metric/imperial)								
Demonstrates the correct use of hand, shop and power tools and equipment								
Utilizes oxyacetylene cutting and heating equipment								
Selects equipment for rigging typical loads								
Identifies and repairs common types of truck or trailer frame and suspension systems								
Services common bearings and seals, wheels, hubs and tires								
Utilizes safety procedures when handling wheels and tires								
Lists and performs pre-alignment inspection procedures								
Diagnoses and adjusts mechanical steering systems								
Identifies basic electrical circuits								
Utilizes voltmeter, ammeter and ohmmeter to test circuits								
Utilizes test light to test circuits								
Performs wiring harness, inspection and repair								
Identifies various electronic test equipment used in the diagnosis of electronic systems								
Performs battery diagnosis, service and repair								
Inspects and identifies hydraulic brake system problems								
Services and repairs hydraulic brake system components								
Identifies open centre, closed centre and closed loop hydraulic systems from a schematic diagram								
Identifies the components of a basic air brake system and performs system testing								
Performs common trailer system and component inspection								

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