



## Recreation Vehicle Service Technician *A Guide to Course Content*

*Recreation Vehicle Service Technicians install, repair and maintain interior and exterior components on motor homes, travel trailers, fifth wheel trailers, truck campers, tent trailers, van conversions and licensed towables.*

**Training Requirements:** 4800 hours (3 years) including three 8-week training sessions at the Southern Alberta Institute of Technology (SAIT), Mayland Heights Campus in Calgary, AB. An apprentice must successfully complete the required technical training and compile enough on-the-job experience to total at least 1600 hours each year.

**Entrance Requirements:** Individuals must be working in the trade and under the supervision of a certified tradesperson.

Your grade twelve diploma (with no modified classes) or GED 12 is your guarantee that you meet the educational entrance requirements for apprenticeship in Saskatchewan. In fact, employers prefer and recommend apprentices who have completed high school. This ensures the individual has all of the necessary skills required to successfully complete the apprenticeship program, and receive journeyman certification. Individuals with “modified” or “general” classes are required to take an entrance examination prescribed by the SATCC.

The information contained in this pamphlet serves as a guide for employers and apprentices. The pamphlet briefly summarizes the training delivered at each level of apprenticeship training. An apprentice spends approximately 15% of the apprenticeship term in a technical training institute learning the technical and theoretical aspects of the trade. The hours and percentages of technical and practical training may vary according to class needs and progress.

The content of the technical training components is subject to change without notice.

## **Level One - 8 weeks**

### **Safety, Tools and Shop Equipment**

- safety legislation, regulations and industry policy in the trades
- climbing, lifting, rigging and hoisting
- hazardous materials and fire protection
- apprenticeship orientation
- tools and equipment
- cleaning procedures
- vehicle identification number (VIN) plates and labels
- cutting and heating
- pre-delivery inspection (PDI)
- motorhome controls

### **Plumbing**

- potable water systems
- waste water systems
- winterizing and de-winterizing
- service monitoring systems

### **Liquefied Petroleum Gas (LP) Systems**

- propane systems

### **Direct Current (DC) Electrical Systems**

- DC electrical systems
- batteries

### **Appliance Operation and Accessories**

- appliance operation and replacement
- interior accessories and safety components
- exterior accessories

### **Mechanical and Towing Systems**

- tow vehicle
- hitch systems
- brake systems
- undercarriage

## **Level Two - 8 weeks**

### **Standard Practices and Procedures**

- work orders
- estimating
- warranty and recall procedures
- parts catalogues and related references
- customer relations

### **Alternating Current (AC) Electrical Systems**

- AC electrical system service
- generators
- convertors and charging systems

### **Consumer Products**

- consumer media products

**Appliances**

- cooking equipment
- water heating systems
- heating systems

**Exterior Structures**

- exterior surfaces, components and structures
- body panels
- camper tie-downs and jacks

**Mechanical and Suspension Systems**

- suspension aids
- lift and wall systems

**Level Three - 8 weeks****Inverter and Solar systems**

- solar systems
- inverter systems

**Appliances**

- air conditioning and heat pumps
- refrigerators
- appliance products
- electronic control systems

**Interior Structures and Components**

- cabinet furnishings and flooring

**Slide Outs and Levelling Systems**

- hydraulic systems
- slide out systems
- levelling systems

**Auxiliary Fueling Systems and Specialty Haulers**

- auxiliary fueling systems
- specialty haulers

**Welding, Coaching, Certification and Committees**

- gas metal arc welding (GMAW)
- workplace coaching
- Alberta's industry network
- Interprovincial Standards Red Seal Program

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