

## Tank Car Specialist Course



**Course Duration: 5 Days**  
**Price: \$1,590 USD**

- **TCS08-01 Feb 4-8 2008**
- **TCS08-02 Mar 17-21 2008**
- **TCS08-03 June 16-20 2008**
- **TCS08-04 July 14-18 2008**
- **TCS08-05 Aug 25-29 2008**
- **TCS08-06 Sept 22-26 2008**
- **TCS08-07 Nov 3-7 2008**

This 40-hour course focuses on railroad tank car design and construction, valve repair, damage assessment, and derailment response. The duration is 5 days, 40 hours, including 17 hours of field exercises. The bus will depart each morning from the Pueblo Marriott at 6:45 am sharp! The course concludes Friday at 10:30 a.m.

Upon completion of this course, the student will be able to identify the design and construction of pressure and non-pressure tank cars, the most common (and some uncommon) types of leaks they will encounter and how to repair them in the field. Emergency product removal techniques are also covered.

Multiple staged product transfer and repair containers and three separate derailments totaling over 45 railcars are utilized in the training and 60% of the students' time will be spent doing hands-on work and field exercises. Students will engage in hands-on activities including derailment response utilizing the Incident Management System, repairing leaking valves and fittings under pressure, transferring both liquids and gases, flaring propane from a damaged tank car, patching different leaks in the shells of tank cars, application of a Chlorine C-Kit, and evening product transfer exercises.

Upon completion of the course, the student will receive a certificate of completion from the Emergency Response Training Center of the Hazmat Services department of the Transportation Technology Center, Inc.

### **Prerequisites:**

We recommend that applicants have prior hazmat technician-level training or experience in the incident command system, decontamination procedures, personal protective equipment, and standard safe operation procedures.

### **Course Schedule:**

#### **Monday**

Locomotives & Other Rail cars / Railcar / Tank Car Markings  
General Service Tank car Valves & Fittings  
Pressure Tank Car & Specialty Rail Car Valves & Fittings  
D.E.C.I.D.E. / Site Assessment

#### **Tuesday**

Valve Stands & Chlorine Kit  
Tank Car Damage Assessment with Exercise  
Grounding & Bonding with Exercise  
Tank Car Leak Control  
Triple Valve Car / Patch Car Exercise

**Wednesday**

Transfer Techniques  
Flaring Tank Cars  
Derailment Response Exercise  
Clean-up & Critiques

**Thursday**

Hot Tapping  
Vent & Burn  
Product Removal Exercises  
Evening Derailment Response Exercise

**Friday**

Critique of Evening Exercise  
Review of Week's Material  
Final Exam

Emergency Response Training Center

[Transportation Technology Center, Inc.](#)

TTCI is a subsidiary of the Association of American Railroads

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