

# Railroad Conductor Certificate

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The railroad conductor certificate program prepares students for an exciting and well-paying career as a railroad conductor. The more than 500 companies that make up the United States railroad industry provide the country's freight and passenger transportation service on a network of some 300,000 route-miles of track. Railroads employ a substantial workforce.

For information visit the National Academy of Railroad Sciences (<http://www.railroadtraining.com>). Hover your cursor over the "New Careers" tab and choose from the list.

(Major Code 4410; State CIP Code 49.0208)

## Required Courses

RRTC 123	Introduction to Conductor Service*	4
RRTC 175	Conductor Mechanical Operation*	2
RRTC 261	Conductor Service*	2
RRTC 263	General Code of Operating Rules*	4
RRTC 267	Conductor Field Application*	4
INDT 155	Workplace Skills	1
Total Hours		17

**Total Program Hours: 17**

## Courses

### **RRTC 123 Introduction to Conductor Service\* (4 Hours)**

**Prerequisites:** Admission to the JCCC railroad JCCC NARS Director Approval operations program, conductor option, or

This is an introductory course for the conductor service option within the railroad operations program. Upon successful completion of this course, the student should be able to describe railroad organization and general operations, policies and practices to ensure railroad safety, and the basic responsibilities of conductors. 4 hrs. lecture, demonstration/wk. Selective admission program - see a counselor about special requirements.

### **RRTC 175 Conductor Mechanical Operation\* (2 Hours)**

**Prerequisites:** Admission to the JCCC railroad operations program, conductor option, or JCCC NARS Director approval

This course covers mechanical operations that relate to conductor service. Upon successful completion of this course, the student should be able to describe the importance and application of freight care mechanical policies and practices to ensure safe railroad operations. 2.5 hrs. lecture/wk. Selective admission program - see a counselor about special requirements.

### **RRTC 261 Conductor Service\* (2 Hours)**

**Prerequisites:** Admission to the JCCC railroad operations program, conductor option, or JCCC NARS Director approval

Upon successful completion of this course, the student should be able to describe and apply railroad organization and general operations, policies and practices to ensure railroad safety and basic responsibilities of conductors. This course includes safety and the general rules with which conductors must comply and teaches the techniques and administrative procedures conductors use on the job to perform safely and effectively. 2.5 hrs. lecture/wk. Selective admission program - see a counselor about special requirements.

### **RRTC 263 General Code of Operating Rules\* (4 Hours)**

**Prerequisites:** Admission to the JCCC railroad operations program, conductor option, and JCCC NARS Director approval

Conductors must maintain a thorough understanding of the General Code of Operating Rules (GCOR). This course provides an in-depth study of the GCOR. Upon completion of this course, the student should be able to demonstrate abilities to apply the General Code of Operating Rules to safe and efficient train movement and operations. 4 hrs. lecture/wk. Selective admission program - see a counselor about special requirements.

### **RRTC 267 Conductor Field Application\* (4 Hours)**

**Prerequisites:** Admission to the JCCC railroad operations program, conductor option or National Academy of Railroad Sciences (NARS) Director Approval

Upon successful completion of this course, the student will have observed actual operations and be able to apply skills learned in classroom-based instruction to those operations. The student will observe and perform operations under the supervision of experienced conductor mentors in an actual field location.