

# Railroad Operations (RRT)

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## Courses

### **RRT 100 Introduction to the Railroad Industry (2 Hours)**

This course will provide Railroad Operation majors instruction in the railroad industry from pre-employment to retirement. Current and relevant legal, ethical issues, workplace safety, team management and problem-solving skills important to the railroad industry are covered. Professional branding through social media, resume and cover letter will be produced. Self-promotion, networking, job searches and interview skills will also be covered.

### **RRT 120 History of Railroading (3 Hours)**

This course covers the history and traditions of railroading and the industry's role in North American economic development. Upon successful completion of this course, students will be able to list and explain the significance of major events in North American railroading.

### **RRT 121 Railroad Technical Careers (3 Hours)**

This course includes information about technical careers in railroading, enabling students to choose suitable career paths. This course includes field trips that will demonstrate the relationships among technical work groups in day-to-day railroad operations. Upon successful completion of this course, students should be able to describe basic technical job functions, requirements and characteristics.

### **RRT 150 Railroad Operations (3 Hours)**

This course includes information about the industry, its major assets, structure and typical operations. Upon successful completion of this course, students will be able to define the current North American railroading industry characteristics, basic operations components and processes, and industry structure and administrative processes.

### **RRT 165 Railroad Safety, Quality and Environment (3 Hours)**

This course covers the importance of safety, quality, personal health and environmental awareness to the railroad industry and emphasizes the basic tools and techniques for improving these conditions on the job. Upon successful completion of this course, students should be able to define and explain the need for improved safety, quality, health and environmental awareness; describe their basic principles; explain the elements of successful programs; and apply these elements to typical tasks on the job.

### **RRT 291 Independent Study\* (1-7 Hour)**

**Prerequisites :** 2.0 GPA minimum and department approval.

Independent study is a directed, structured learning experience offered as an extension of the regular curriculum. It is intended to allow individual students to broaden their comprehension of the principles of and competencies associated with the discipline or program. Its purpose is to supplement existing courses with individualized, in-depth learning experiences. Such learning experiences may be undertaken independent of the traditional classroom setting, but will be appropriately directed and supervised by regular instructional staff. Total contact hours vary based on the learning experience.