

## Signal Training 2010 Schedule

Course Acronym	Course Code	Class Title	Description	StartDate	End Date
RREL	110	Introduction to Railroad Signal Systems	This course is the first of a series of four designed to provide entry (apprentice) level training to new signal employees, or those seeking to enter this trade. Upon successful completion of this course, the student should be able to describe basic company organization, operating and safety rules pertaining to signalmen, basic principles of electricity and measurement as well as protective devices. Also he or she should have a basic understanding of signal systems, track circuits, and Federal Railroad Administration (FRA) rules.	05/03/2010	05/14/2010
RREL	110	Introduction to Railroad Signal Systems		08/09/2010	08/27/2010
RREL	112	Track Circuits and Systems	This course is the second of a series of four designed to provide entry (apprentice) level training to new signal employees, or those seeking to enter this trade. Upon successful completion of this course, the student should be able to describe and explain the operation of various track circuits, relay and control circuits, automatic block systems, locks, power operated switch machine and applicable rules and standards.	06/21/2010	07/02/2010
RREL	112	Track Circuits and Systems		07/12/2010	07/23/2010
RREL	112	Track Circuits and Systems		10/25/2010	11/05/2010
RREL	114	Traffic Control, Switch Machines & Locks	This course is the third of a series of four designed to provide entry (apprentice) level training to new signal employees, or those seeking to enter this trade. This course is a review of the power operated switch machine, automatic block signaling systems and electric locks. The student is introduced to the centralized traffic systems and power switches. Student should also be familiar with ground testing and isolation, as well as applicable rules and standards.	06/07/2010	06/18/2010
RREL	114	Traffic Control, Switch Machines & Locks		09/13/2010	09/24/2010
RREL	114	Traffic Control, Switch Machines & Locks		09/27/2010	10/08/2010
RREL	114	Traffic Control, Switch Machines & Locks		10/11/2010	10/22/2010
RREL	114	Traffic Control, Switch Machines & Locks		12/06/2010	12/17/2010

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Course Acronym	Course Code	Class Title	Description	StartDate	End Date
RREL	116	Interlockings, Classification, Crossings & Gates	This course is the last of a series of four designed to provide entry (apprentice) level training to new signal employees, or those seeking to enter this trade. Upon successful completion of this course, the student should be able to perform interlocking plant and route plant analysis, explain classification yards, grade crossing warning systems, gates, and other devices, as well as applicable rules and standards.	07/26/2010	08/06/2010
RREL	116	Interlockings, Classification, Crossings & Gates		11/08/2010	11/19/2010
RREL	90410	Grade Crossing	The Journeyman Highway Rail Grade Crossing Warning Systems class offering requires a working knowledge of electrical and/or electronic circuits, meter usage and circuit plan analysis. Upon completion of this course, the student will be able to interpret FRA rules and requirements, operate conventional crossing warning systems, Motion Sensor warning systems, Grade Crossing Predictor warning systems, properly adjust and align crossing signal light units, properly adjust power operated gate mechanisms, and download and analyze data from internal and external recording devices.	05/03/10	5/14/2010
RREL	90710	Grade Crossing		08/09/10	8/20/2010
RREL	90810	Grade Crossing		08/23/10	9/3/2010
RREL	90410	Grade Crossing 1 week Journeyman	The Journeyman Highway Rail Grade Crossing Warning Systems class offering requires a working knowledge of electrical and/or electronic circuits, meter usage and circuit plan analysis. Upon completion of this course, the student will be able to interpret FRA rules and requirements, operate conventional crossing warning systems, Motion Sensor warning systems, Grade Crossing Predictor warning systems, properly adjust and align crossing signal light units, properly adjust power operated gate mechanisms, and download and analyze data from internal and external recording devices.	5/10/2010	5/14/2010
RREL	90610	Grade Crossing 1 week Journeyman		06/14/10	6/18/2010
RREL	90710	Grade Crossing 1 week Journeyman		08/16/10	8/20/2010
RREL	90810	Grade Crossing 1 week Journeyman		08/30/10	9/3/2010
RREL	90910	Grade Crossing 1 week Journeyman		09/13/10	9/17/2010
RREL	91010	Grade Crossing 1 week Journeyman		09/20/10	9/24/2010