

# Locomotive Electrical and Mechanical Technology LEA2

## Type

Diploma

The Locomotive Electrical/Mechanical Technology program will prepare students for employment in the railroad industries. Students will gain skills to become locomotive electricians, locomotive mechanics, car repairman, and sheet metal workers.

## Basic Skills Core

Item #	Title	Credits
MATH 1012	Foundations of Mathematics	3
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
RRTC 1010	Introduction to the Railroad Industry	4
RRTC 1020	Locomotive Electrical Systems	4
RRTC 1040	Locomotive Mechanical Systems	3
WELD 1000	Introduction to Welding Technology	4
WELD 1010	Oxyfuel and Plasma Cutting	4
WELD 1030	Blueprint Reading for Welding Technology	4
WELD 1060	Vertical Shielded Metal Arc Welding	4
WELD 1050	Horizontal Shielded Metal Arc Welding	4
WELD 1090	Gas Metal Arc Welding	4
ELCR 2120	Motor Controls	3
ELCR 2140	Mechanical Devices	2
ELCR 2150	Fluid Power	2
IDSY 1100	Basic Circuit Analysis	5
Minimum Credit Hours for Graduation		58