

# 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 — 8.00 Hours

Item #	Name	Credits
<a href="#">MATH 1012</a>	Foundations of Mathematics	3
<a href="#">EMPL 1000</a>	Interpersonal Relations & Professional Development	2
<a href="#">ENGL 1010</a>	Fundamentals of English I	3

## Occupational Courses — 50.00 Hours

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