

CAREER OPTIONS



Rail Car Technician •
Locomotive Technician •
Machinery Maintenance
Worker • Installation,
Maintenance, and Repair
Technician Worker Helpers

ANNUAL SALARY



Entry level to experience

\$59,000 - \$108,000

INDUSTRY CERTIFICATIONS



Automotive Service Excellence (ASE)
SP/2 Certificate
Mobile Air Conditioning Society
SAE International

PROFESSIONAL ASSOCIATIONS



Association of American Railroads
Association of Diesel Specialists
American Public Transportation
Association
California Transit Association
National Alliance of Public Transportation
Advocates

estimated cost of TOOLS & SUPPLIES



Safety Glasses	\$1-45
Uniform Shirt	\$35-55
Uniform Pants	\$15-40
Work Shoes/Boots (oil and slip resistant)	\$30-200
Tools	\$1,500-\$5,500
Textbooks	\$600



Los Angeles Trade-Technical College

RAIL VEHICLE MAINTENANCE

In the Los Angeles region, rail transportation supports the largest container port complex in the U.S., 9th largest in the world, and the 3rd largest transit agency in the U.S. where nearly 1/5th of transit trips in the region are by commuter, light, or heavy rail. A career in rail transportation, as a rail mechanic, provides an opportunity to work within large rail companies and transportation agencies providing competitive wages, health and retirement benefits, and opportunities for career advancement.



Degree and Certificate

To earn an **Associate in Science degree** students should complete the 40 units of Required Courses with a "C" or better in each course, and the general education courses under the **GE Graduation Plan**.

Requirements for the **Certificate of Achievement** may be met by completing 40 units of Required Courses with a "C" or better in each course.

STUDENT SUPPORT

The ATM Pathway Counselor can assist you plan your academic, transfer, and career success while connecting you to essential resources.



Award

	Required Courses	Major Electives	GE Graduation Plan
○ Associate of Science Degree	40 units		~20 units
● Certificate	40 units		

Required Courses ○●

Term	Subject	Course Title	Units
Semester I	DIESLTK 401	Rail System Overview, Safety, Tools, and Mechanical Principles	10
	-OR- 401A & 401B		
	DIESLTK 401A	Rail System Overview, Safety, Tools (5)	
	DIESLTK 401B	Mechanical Principles (5)	
Semester II	DIESLTK 402	Rail Electrical and Electronic Principles	10
	-OR- 402A & 402B		
	DIESLTK 402A	Rail Electrical Principles (5)	
	DIESLTK 402B	Rail Electronic Principles (5)	
Semester III	DIESLTK 403	Rail Vehicle Pneumatic & Hydraulic Controls, HVAC & Car Body	10
	-OR- 403A & 403B		
	DIESLTK 403A	Rail Vehicle Pneumatic & Hydraulic Controls (5)	
	DIESLTK 403B	Rail Vehicle HVAC & Car Body (5)	
Semester IV	DIESLTK 404	Rail Diesel Engine Fundamentals and Rail Accessory/Support System	10
	-OR- 404A & 404B		
	DIESLTK 404A	Rail Diesel Engine Fundamentals (5.5)	
	DIESLTK 404B	Rail Accessory/Support System (4.5)	

GE Graduation Plan Courses

Meet with the ATM Pathway Counselor to select **Guided Choices** sequence of courses or other GE courses

	Units
Guided Choices	~20
Area A: Electronics 002	
Area B1: History 12	
Area C: Humanities 60	
Area D1: English 101	
Area D2: Mathematics 227	

Los Angeles Trade Technical College

School of Advanced Transportation & Manufacturing (ATM)

ATMPathway@lattc.edu | www.lattc.edu/ATM | 213.763.7081

400 W. Washington Blvd. | Suite B1-225 | Los Angeles, California 90015



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