



Rutgers Rail AI Academy

About the Rutgers Rail AI Academy

The Rutgers Rail AI Academy is a 3-course workforce training program designed to equip rail professionals with the tools and experience needed to use AI to improve safety, reliability, efficiency, and asset management at their respective agencies. The program is organized and developed by **The Rutgers Rail and Transit Program** at the Center for Advanced Infrastructure and Transportation (CAIT).

Course 1: Trustworthy AI for Rail and Transit – Concepts and Fundamentals

Build AI literacy and confidence among rail and transit professionals by demystifying AI concepts and highlighting realistic opportunities and limitations. Learn from AI case studies based on Rutgers' years of research with the rail and transit industry.

Tuesday, November 17, 2026

10 am – 3 pm US EST

CAIT Building, 100 Brett Road Piscataway, NJ 08854

cait.rutgers.edu/event/rail-ai-academy-level-1/

Academy Program Structure

- **Course Level 1:** Cover the foundations of AI in rail and transit
- **Course Level 2:** Demonstrate how to implement AI into operations
- **Course Level 3:** Discuss how AI can support decision making

Intended Audience

The academy and this training program are designed for rail and transit professionals at:

- Freight Railroads
- Passenger rail agencies
- State DOTs
- Public-sector transportation agencies

Certificates

After each course participants will receive a certificate of completion from Rutgers University CAIT, and three Professional Development Hour credits.

