

SITE VISIT INFORMATION:

Working with TTCL including site visits to their facilities. Visit to a steel mill to watch steel rail being produced. (Subject to availability).

INSTRUCTORS:

Faculty Instructors:

Nick Little, Director, Railway Education
MSU Center for Railway Research and Education (CRRE)
Career with British Railways, supply chain management and executive education.

Other Select Subject Matter Experts

Andreas Hoffrichter, PhD
DB Engineering & Consulting USA Inc. Manager, Management Consulting, Sustainable Mobility & Zero Emission Technologies
Expert in zero-emissions propulsion systems for railway vehicles.

MORE INFORMATION:

www.raileducation.com

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Center for Railway
Research and Education
Broad College of Business
MICHIGAN STATE UNIVERSITY

RAILWAY ENGINEERING AND TECHNOLOGY

SEPTEMBER 13-17, 2021
PUEBLO, CO AT TTCI



Center for Railway
Research and Education
Broad College of Business
MICHIGAN STATE UNIVERSITY

PROGRAM DETAILS:

A stand-alone module established and highly respected Railway Management Certificate Program, this residential five-day program covers the essentials of railway engineering and technology with a managerial perspective. We combine classroom presentation of concepts with discussions led by rail industry subject matter experts, and site visits to see railroad engineering in action. Railroad and Engineering and Technology brings together many aspects of the complex railway ecosystem.

WHO SHOULD ATTEND:

- Railroad superintendents, trainmasters, and middle managers from engineering and support functions with capacity to perform at higher levels
- Managers/leaders requiring learning opportunity beyond their experience who have had limited business administration education
- Shippers needing to learn about the business of railroading to build better relationships to improve performance
- Suppliers to the rail industry wishing to learn about the business of railroading to improve communication and understanding

KEY LEARNING OUTCOMES:

By the end of the program, participants will have improved their understanding of how the following engineering and technological topics can impact managing today's and tomorrow's railroad:

- Railway Engineering, Technology and Research and Development policy
- Vehicle Dynamics
- Infrastructure – Track, Bridges and other structures
- Motive Power and Rolling Stock
- Concepts of Railway Control and Signalling/Communications
- Signaling and Interlocking
- Positive Train Control
- Hazardous Materials and Incident Response
- Railway Telecommunications

PRICE & REGISTRATION:

\$5,000 – full tuition
Price includes instructional materials, faculty and staff support, overnight rooms, and daily breakfast and lunch. Transportation to and from the program, and dinner most nights are not included.

Discounts are also available for multiple participants from the same company.

To utilize the best in adult learning practices, class size will be limited to twenty-five participants.

For more information visit:
www.raileducation.com

Registration Contact:

Sue Lonier
Administrative Assistant
+1 517 353-5667
loniers@msu.edu

SAMPLE SCHEDULE:

Monday – Wednesday

On site at TTC with mix of classroom sessions and site visits

Thursday – Rail Rolling Mill Visit; Locomotives & Rolling Stock classes

Friday – Communication Technology and Wrap-Up
For a copy of the detailed schedule please call:

Sue Lonier at
+1 517 353-5667

