What is IMTI?

INTERMODAL MECHANIC TRAINING INSTITUTE

Provider of specialized training serving the freight transportation industry with primary focus on intermodal mechanic skill sets, continuing education, distance e-learning and customized on site training for intermodal operators.
Current Situation

No intermodal focused technical training schools

FMCSA Roadability Regulation focus

Lack of standardized delivery of training to meet industry standards

On the job training is less structured and depletes productivity of the existing workforce

Growing intermodal freight market & employment demand

Over 21% of the intermodal rail loadings are in the Chicago area
What we offer

IMTI Facilities
• Mechanic Training – Core Skills including
  • TIA Certification
  • Truck – Lite Certification
  • Stemco Certification
• Continuing Education

Customer Onsite
• Trainer Facilitated Core Skill & Continuing Education
• Customer Specific – Systems and Work Processes
• On Demand E-Learning

IMTI Recruiting
• Dedicated IMTI Recruiting Function
• Job Board for Students and Customers
• Onsite Career Events & Interviewing
• Career Counseling

Screening & Testing
• Mechanical Aptitude, Manual Dexterity
• Drug / Background Testing
• e-RailSafe
• Program Completion & Qualification
Curriculum Development Approach

Industry Research

Subject Matter Expert Design Session

Brainstorm:
- Entry level vs advanced tasks
- Time to learn task
- Common mistakes
- Safety cautions
- Reference materials

Curriculum Build

70% Hands On
20% Classroom
10% Independent

Subject Matter Expert Validation

Validation:
- Tasks
- Processes
- Curriculum flow

IMTI Subject Matter Experts, Suppliers & Curriculum Design Team

Regulations:
- 49 CFR Part 393
- Appendix G
What We Offer | M&R Employers and IEPS

- Immediately productive mechanics
- Access to IMTI's recruiting network & vetting
- Less than 1/2 the cost of on-the-job training
- Maintenance and repair training to educate critical management & support roles
- Client specific customized training
- Standardized training to FMCSA regulations

Mechanic Training - Chassis & Trailer
M&R Training for Non Mechanics
Onsite & Custom Curriculum
Recruitment

IntermodalMechanics.com
What We Offer | Students

- 3-week full immersion training program for entry level mechanics
- Maintenance and repair training for non mechanics
- Continuing education
- Certifications
- Intermodal mechanic career opportunities
- Employer sponsored tuition scholarships

Millennial Learning Approach
Electronic Curriculum Support
Hands-on Instruction
Ongoing Mentoring & Follow Up
Partnerships, Certifications & Memberships

Four (4) Continuing Education Modules
Each a deep dive into the topic with specific certifications earned from our Partners.
All modules are focused on FMCSA requirements and regulations.

IntermodalMechanics.com
Chassis Mechanic training is geared toward entry level mechanics, as well as continuing education and certifications for tenured mechanics. IMTI Chassis Mechanic courses deliver training in compliance with the Federal Motor Carrier Safety Regulations as they relate to intermodal equipment (IME):

- 49 CFR Part 393 (Parts and Accessories Necessary for Safe Operation);
- 396.19 (Inspector Qualifications);
- 396.25 (Qualifications of Brake Inspectors); and
- Appendix G (Minimum Periodic Inspection Standards)
# IMTI Chassis Mechanic Course Outline

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<tr>
<th>WEEK 1</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
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<tr>
<td></td>
<td>Introduction</td>
<td>Chassis Components</td>
<td>Coupling + Locking Devices</td>
<td>Electrical</td>
<td>Tires, Wheels, +</td>
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<td>Intermodal 101</td>
<td>Tools &amp; Equipment</td>
<td>Frame, Mudflaps and Suspension</td>
<td>Tires, Wheels +</td>
<td>Rims</td>
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<td>Safety</td>
<td>Landing Gear</td>
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<td>Rail yard Tour</td>
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<td>WEEK 2</td>
<td>TIA Exam</td>
<td>Brakes</td>
<td>Brakes</td>
<td>Welding Containers</td>
<td>FMCSA</td>
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<td>Tire Industry Assoc. (TIA) Certification</td>
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<td>ATA TMC Wheel End Qualifications</td>
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<td>Lite-Check</td>
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<td>Tire Industry Assoc. (TIA) Certification</td>
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<td>Truck-Lite Certification</td>
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Key Learnings

1. Know the regulations and industry standards that impact a chassis mechanic
2. Identify parts of the chassis and explain how they work together
3. Conduct an FMCSA Inspection
4. Follow safe work practices using the proper tools to perform entry level repairs
   - **Landing Leg/gear** - Replace sandshoe, cross brace, crank handle, retime leg, replace leg, replace crankshaft
   - **Coupling and Locking Devices** - Twist locks and locking pins (full disassemble and assemble)
   - **Frames** - Replace hard plastic and anti-seal mud flaps, replace spring
   - **Electrical** - Troubleshoot with and without Lite-Check, replace 7-way (with and without housing), replace light with pigtail and without pigtail
   - **Tires and wheels** - Demount and mount different types of tires (Unimount and Dayton), installation and removal of wheel rims, replace hoses and through tee of automatic tire inflation system
   - **Brakes** - Replace glad hands, replace an air line, purge air reservoir, change air valves, Complete brake service on a Unimount Axle, Complete brake service on a Dayton 5 Spoke, Replace brake shoes, brake drum, oil seal ans S-cam bushings
   - **Introduction to welding and torch**
Maintenance and Repair for Non-Mechanics training is geared toward personnel that support the M&R process. This includes managers, frontline M&R supervisors, safety, purchasing, billing and administrative personnel. Participants learn the key factors important to safely maintaining intermodal equipment (IME) in accordance with Federal Motor Carrier Safety Regulations. The course provides M&R process understanding in order to drive efficiency, productivity and profitability.
## Curriculum Calendar

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<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
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<td>Landing Legs</td>
<td>Brakes</td>
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<td>Coupling &amp; Locking Devices</td>
<td>Welding</td>
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<td>Safety</td>
<td>Mud flaps, Frame &amp; Suspension</td>
<td>Containers</td>
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<td>Chassis Components</td>
<td>Electrical</td>
<td>FMCSA</td>
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Key Learnings

The Industry Landscape
Chassis Components
Common Types of Chassis Repairs
FMCSA Chassis Inspections