

ONLINE TRAINING ON YOUR TIME

TC3 offers 120 web-based training courses. TC3 training accounts for 80% of national-level training needed by the technical workforce. TC3 is currently offering the courses listed below, but is always considering new training for development. Visit training.transportation.org to browse courses online.

CONSTRUCTION

CLASS TITLE	HOURS
Bolted Connections	5
Construction of Mechanically Stabilized Earth (MSE) Walls	5
Drilled Shaft Inspector Tutorial	4
Pile Driving Inspector Tutorial	4
Improving the Daily Diary	1
GPS Technology	1
Portland Cement Concrete Paving Inspection	5
HMA Paving Field Inspection	4.5
Basic Construction Surveying	3
Plan Reading	8
Plan Reading: Highway Plan Reading Basics	1
Plan Reading: Grading Plans	1.5
Plan Reading: Traffic Control Plans	0.5
Plan Reading: Erosion and Sediment Control Plans	0.5
Plan Reading: Right-of-Way Plans	1
Plan Reading: County Plans	1
Plan Reading: Bridge Plans	1.5
Plan Reading: Culvert Plans	1.5
Roller Compacted Concrete Pavements	6
Pipe Installation, Inspection, and Quality	7
Change Orders, Claims, and Dispute Resolutions	1
Earthwork Series	13
Earthwork Series: Earth Materials as Engineering Materials	1.5
Earthwork Series: Site Preparation	1.5
Earthwork Series: Grades and Grading	3
Earthwork Series: Excavation	3
Earthwork Series: Fill Placement	4
Inspector Training for Cold In-Place Recycling (CIR)	4
Construction of PCC Pavements Series	6
Construction of PCC Pavements Series: Production	2.5
Construction of PCC Pavements Series: Paving Process	2.5
Construction of PCC Pavements Series: Curing, Sawing, and Joint Sealing	1
Rock Slope Mitigation	2.5
3D Engineered Models for Construction Series: Introduction to 3D Engineered Models for Highway Transportation	2
3D Engineered Models for Construction Series: Surveying and 3D Engineered Models	2
3D Engineered Models for Construction Series: 3D Engineered Models in Highway Design	2
3D Engineered Models for Construction Series: Applications of 3D Engineered Models in Highway Construction and Quality Assurance	2
Construction Stormwater Field Guide Training	4

EMPLOYEE DEVELOPMENT

CLASS TITLE	HOURS
Ethics Awareness for the Transportation Industry	1
Math Module	6
Transportation Asset Management Overview	2

MAINTENANCE

CLASS TITLE	HOURS
PCC Pavement Preservation Series	14
PCC Pavement Preservation Series: Preventive Maintenance and Pavement Preservation Concepts	1
PCC Pavement Preservation Series: Concrete Pavement Evaluation	2
PCC Pavement Preservation Series: Slab Stabilization and Slab Jacking	1
PCC Pavement Preservation Series: Partial-Depth Repairs	1
PCC Pavement Preservation Series: Full-Depth Repairs	2
PCC Pavement Preservation Series: Retrofitted Edge Drains	1
PCC Pavement Preservation Series: Load Transfer Restoration	1
PCC Pavement Preservation Series: Diamond Grinding and Grooving	1
PCC Pavement Preservation Series: Concrete Overlays	2
PCC Pavement Preservation Series: Joint Resealing and Crack Sealing	1
PCC Pavement Preservation Series: Strategy Selection	1
Recognizing Roadside Weeds	1
Maintenance Training Series	12
Maintenance Training Series: Pavement Preservation Program	1
Maintenance Training Series: Shaping and Shoulders	1.5
Maintenance Training Series: Thin HMA Overlays and Leveling	1.5
Maintenance Training Series: Base and Subbase Stabilization and Repair	1
Maintenance Training Series: Roadway Drainage	1
Maintenance Training Series: Outdoor Advertising and Litter Control	1
Maintenance Training Series: Roadside Vegetation Management	1
Maintenance Training Series: Weather-Related Operations	1
Maintenance Training Series: Basics of Work Zone Traffic Control	1
Maintenance Training Series: Underground Storage Tanks	1
Maintenance Training Series: Cultural and Historic Preservation	1
Trenchless Technology	4.5

MATERIALS

CLASS TITLE	HOURS
Basic Materials for Highway and Structure Construction	3
Concrete Series	12
Concrete Series: Design of Pavement	1
Concrete Series: Hardened Concrete Properties - Durability	1
Concrete Series: Fundamentals of Materials Used for Concrete Pavements	2
Concrete Series: Incompatibility in Concrete Pavement Systems	1
Concrete Series: Mix Design Principles	1
Concrete Series: Early Age Cracking	1
Concrete Series: Basics of Cement Hydration	1
Concrete Series: Fresh Properties	1
Concrete Series: Construction of Concrete Pavements	1
Concrete Series: QCQA for Concrete Pavements	1
Concrete Series: Troubleshooting for Concrete Pavements	1
Testing Self-Consolidating Concrete	1
Advanced Self-Consolidating Concrete	1.5
Superpave Mix Design Process and Analysis	2
Superpave for Construction	3.5
Aggregate Sampling Basics	1
Materials Testing: Reducing Aggregate Samples	1
AASHTO Designation: T 308	2
Fundamentals of Geosynthetic Materials	4
AASHTO Designation: T 312	2

TRAFFIC AND SAFETY

CLASS TITLE	HOURS
Safety Orientation	2
Safe Use of Hand and Power Operated Tools	1
Safe Use of Basic Carpentry Tools	3
CDL General Knowledge	3
CDL Air Brakes	1.5
CDL Pre-Trip Inspection	2
PPE (Personal Protective Equipment)	1
High Visibility Garments	1
Flagger Training	1
Bridge Construction Inspection Safety	1
Job Hazard Analysis	2
Maintenance of Drainage Features for Safety	1
Maintenance of Traffic for Technicians	5
Maintenance of Traffic for Supervisors	5
Bloodborne Pathogens	1

PAVEMENT PRESERVATION

CLASS TITLE	HOURS
Chip Seal Best Practices	3
Flexible Pavement Preservation Treatment Series	14
Flexible Pavement Preservation Treatment Series: Introduction to Pavement Preservation	1
Flexible Pavement Preservation Treatment Series: Materials	2
Flexible Pavement Preservation Treatment Series: Crack Sealing and Fillings	1.25
Flexible Pavement Preservation Treatment Series: Localized Pavement Repairs	1.25
Flexible Pavement Preservation Treatment Series: Chip Seals	1.5
Flexible Pavement Preservation Treatment Series: Fog Seals	1
Flexible Pavement Preservation Treatment Series: Slurry Seals	1.25
Flexible Pavement Preservation Treatment Series: Micro-Surfacing	1
Flexible Pavement Preservation Treatment Series: Thin Functional HMA Overlay	2
Flexible Pavement Preservation Treatment Series: Ultra Thin HMA Bonded Wearing	1
Flexible Pavement Preservation Treatment Series: Selecting the Right Treatment	0.5
Hot In-Place Recycling	2.5
Full Depth Reclamation	4.5

COMING SOON:

TC3 is constantly developing new and updated courses and content. As workforce needs arise, the TC3 is devoted to providing a quality, convenient, and accurate training experience. Below are courses that are currently in production and are set to launch soon!

EMPLOYEE DEVELOPMENT

CLASS TITLE	HOURS
Math Basics	TBD

MAINTENANCE

CLASS TITLE	HOURS
Trenchless Technology	TBD
Best Practices for High Friction Surfaces	TBD
Maintenance Stormwater Field Guide Training	TBD

MATERIALS

CLASS TITLE	HOURS
Understanding Materials Testing for Inspectors	TBD
T 209 Standard Method of Test for Theoretical Maximum Specific Gravity (Gmm) and Density of Hot-Mix Asphalt (HMA)	TBD
T 283 Standard Method of Test for Resistance of Compacted Asphalt Mixtures to Moisture-Induced Damage	TBD

CONSTRUCTION

CLASS TITLE	HOURS
Construction Inspection of Structures Series: Subsurface	TBD
Construction Inspection of Structures Series: Substructures	TBD
Construction Inspection of Structures Series: Superstructures	TBD
Construction Inspection of Structures Series: Rehabilitation	TBD
Guardrails Series: Guardrail Basics	TBD
Guardrails Series: Installation and Inspection	TBD
Guardrails Series: Maintenance and Repair	TBD
Erosion and Sediment Control	TBD
Critical Path Method	TBD
Introduction to E-Construction	TBD