PenEdu Learning & Consulting, LLC

"Where questions become knowledge"

Member - Energy Learning Network a Consortium of Energy Industry Learning Professionals

Course Library 2026-2027

E-Learning Network Course: 11 Libraries

Environmental, Health, and Safety

These courses promote sound work practices and are designed to satisfy many environmental, health, and safety regulations for initial and refresher employee training.

**Available in Spanish*

001 Introduction to OSHA: Worker Rights (60 min)
002 Introduction to OSHA: Employer Responsibilities (60 min)
100 Anthrax Awareness (40 min)
101 Severe Acute Respiratory Syndrome (SARS) (50 min)
102 Pandemic Awareness (30 min)
*103 Coronavirus Awareness (COVID-19) (15 min)
*331 Heat Stress (30 min)
*333 Basics of Electrical Safety (35 min)
*334 Electrical Installations: Lockout/Tagout (20 min)
*335 Electrical Installations: Energized Parts (30 min)
*336 Electrical Safety: Flexible Cord Equipment (25 min)
*337 Electrical Installations: Training and PPE (35 min)
*353 Field Hazard Recognition (40 min)
*354 Forklift Operation and Safety (60 min)
*355 Medical Surveillance, Screening, and Records (35 min)
356 Office Hazard Recognition and Response (75 min)
*801 Back Safety (25 min)
802 Ergonomics (50 min)
803 Wastewater Treatment: Activated Sludge (45 min)
804 DOT Hazardous Materials: Hazardous Materials Table (45 min)
805 DOT Hazardous Materials: Shipping Papers (30 min)
806 DOT Hazardous Materials: Marking (45 min)
807 DOT Hazardous Materials: Labeling (35 min)
808 DOT Hazardous Materials: Placarding (35 min)
*809 Hot Work Permits (30 min)
810 DOT Hazardous Materials: Transportation Security (45 min)
*811 Confined Space Entry (65 min)
*813 Hearing Conservation (45 min)
*814 Fire Extinguisher Basics (30 min)
815 Process Safety Management (50 min)
*819 Personal Protective Equipment (45 min)
*820 Lockout/Tagout (40 min)
*821 Respiratory Protection (35 min)
*8220 Hazard Communication - Part 1 (45 min)
*8221 Hazard Communication - Part 2 (30 min)
823 Accident Investigation Overview (30 min)
*826 Hazards of Benzene (30 min)
*827 Bloodborne Pathogens (35 min)
828 Hazards of Lead (35 min)
829 Hazards of Hydrogen Sulfide (30 min)
830 Scaffold Safety (55 min)
*831 Fall Protection Systems (50 min)
*832 Fall Hazard Awareness (45 min)
*833 Ladder Safety (35 min)
*834 Excavation Safety (55 min)
835 Hazards of Butadiene (35 min)
836 RCRA: Handling and Shipping Hazardous Waste (60 min)
837 RCRA: Regulations for Hazardous Waste Generators (50 min)
838 Hazards of Hydrofluoric Acid (30 min)
839 Hydrofluoric Acid Procedures and Controls (40 min)
*840 Asbestos Awareness (40 min)
841 Ionizing Radiation (60 min)
842 Hazmat Emergency Response (45 min)
843 NORM in the Oil and Gas Industry (35 min)

Liquefied Natural Gas (LNG)

The LNG Library includes courses based primarily on the U.S. Department of Transportation, Department of Homeland Security, and NFPA standards.

141 Characteristics and Hazards of LNG (25 min)
142 Potential Hazards — LNG Release (35 min)
143 LNG Operating Concepts Overview (30 min)
144 LNG Plant Operations — Gas Treating (30 min)
145 LNG Plant Operations — Liquefaction (30 min)
146 LNG Plant Operations — Storage and Regasification (40 min)
147 LNG Plant Operations — Pumps and Compressors (30 min)
148 LNG Plant Operations — Instrumentation and Controls (50 min)
149 LNG Plant Operations — Transfer Concepts (65 min)
150 LNG Maintenance Concepts: Part 1 (35 min)
151 LNG Maintenance Concepts: Part 2 (40 min)

Human Resources

These courses address employee performance issues as well as regulations affecting employment practices.

196 Americans With Disabilities Act (ADA) (25 min)
197 Fair Labor Standards Act (FLSA) (30 min)
198 Family and Medical Leave Act (FMLA) (40 min)
199 Email Etiquette (20 min)
200 Telephone Etiquette (20 min)
201 Sexual Harassment Awareness: Managers (25 min)
202 Sexual Harassment Awareness: Employees (30 min)
203 Workplace Violence (45 min)
204 Diversity in the Workplace (30 min)
205 Creating an Alcohol- and Drug-Free Workplace (35 min)
206 Recognizing Substance Abuse in the Workplace (95 min)
207 Anger Management: Dealing With Angry Coworkers (20 min)
208 Anger Management: Managing Your Anger (25 min)
209 Time Management: Effective Prioritization (30 min)
210 Time Management: Efficient Organization (25 min)
211 Coaching and Counseling (20 min)
212 Effective Listening Skills (25 min)
213 Safe Driving Skills (35 min)
214 Civil Rights Act — Title VII (25 min)
215 Equal Pay Act (EPA) (15 min)
216 Age Discrimination in Employment Act (ADEA) (20 min)
217 Sarbanes-Oxley Act: Ethics Awareness (45 min)
218 Sarbanes-Oxley Act: Overview for Managers (65 min)

First Responder Training

Courses cover all topics in the NHTSA First Responder National Standard Curriculum and are a valuable addition to your first responder training program. Courses are approved for C.E. hours under Texas Dept. of State Health Services On-Going Program #600196.

401 Introduction to EMS Systems: Part 1 (50 min) (1 C.E.)
402 Introduction to EMS Systems: Part 2 (50 min) (1 C.E.)
403 Well-Being of the First Responder (50 min) (1 C.E.)
404 Legal and Ethical Issues (50 min) (1 C.E.)
405 The Human Body (60 min) (1 C.E.)
406 Lifting and Moving Patients (50 min) (1 CE)
407 Body Substance Isolation (50 min) (1 C.E.)
408 Interpersonal Communications (55 min) (1 C.E.)
409 Airway: Part 1 (60 min) (1 C.E.)
410 Airway: Part 2 (50 min) (1 C.E.)
411 Patient Assessment: Part 1 (50 min) (1 C.E.)
412 Patient Assessment: Part 2 (70 min) (1 C.E.)
413 Patient Assessment: Part 3 (60 min) (1 C.E.)
414 Circulation (50 min) (1 C.E.)
415 Cardiopulmonary Resuscitation (CPR) (65 min) (1 C.E.)
416 Medical Emergencies: Part 1 (50 min) (1 C.E.)
417 Medical Emergencies: Part 2 (60 min) (1 C.E.)
418 Behavioral Medical Emergencies (55 min) (1 C.E.)
419 Bleeding and Soft Tissue Injuries (60 min) (1 C.E.)
420 Burn Treatment (50 min) (1 C.E.)
421 Bandaging and Splinting (50 min) (1 CE)
422 Injuries to Muscles and Bones (50 min) (1 C.E.)
423 Head and Spine Injuries (65 min) (1 C.E.)
424 Emergency Childbirth (65 min) (1 C.E.)
425 Pediatric Patient Assessment (50 min) (1 C.E.)
426 Treatment Consent Issues (50 min) (1 C.E.)
427 Clandestine Drug Labs (50 min) (1 C.E.)
428 Domestic Violence (50 min) (1 C.E.)
429 Basic First Aid (55 min) (1 C.E.)
430 Responding to Terrorism (75 min) (1 C.E.)
431 EMS Operations (60 min) (1 C.E.)
432 Fundamentals of Extrication (60 min) (1 C.E.)
433 Hazardous Materials (55 min) (1 C.E.)
434 Multiple Casualty Incidents (50 min) (1 C.E.)
435 Pediatric Medical Emergencies (50 min) (1 C.E.)
436 Chemistry for First Responders (75 min) (1 CE)

Security for Professionals

These courses outline safety and security measures for employees who must travel to hostile or unsafe countries or territories.

100 Protection Specialist: Operation Iraq (55 min)
101 Civilian Safety: Operation Iraq (60 min)
102 Avoiding and Dealing With Hostage Situations (40 min)
103 Traveling Safely in Dangerous Places (65 min)

GLP / cGMP

Whether your non-clinical study team needs training in Good Laboratory Practices (GLP) or your pharmaceutical or food manufacturing group needs to learn the ins and outs of current Good Manufacturing Practices (cGMP), our GLP/cGMP Library will help you navigate the FDA requirements for compliance.

253 Introduction to Good Laboratory Practice (GLP) (20 min)
252 GLP: Regulations (60 min)
254 GLP: Resources (20 min)
255 GLP: Responsibilities (20 min)
256 GLP: Conducting the Study (25 min)
257 GLP: Test Articles and Test Systems (30 min)
258 GLP: Records, Reports, and Archives (25 min)
259 Electronic Records, Electronic Signatures (30 min)
260 Introduction to Pharma Current Good Manufacturing Practice (Pharma cGMP) (30 min)
251 Pharma cGMP: Regulations (45 min)
261 Pharma cGMP: Personnel (20 min)
262 Pharma cGMP: Validation (25 min)
263 Pharma cGMP: Documentation (30 min)
264 Pharma cGMP: Standard Operating Procedures (20 min)
265 Pharma cGMP: Buildings, Facilities, and Equipment (35 min)
266 Pharma cGMP: Controlling Materials (35 min)
267 Pharma cGMP: Sanitation and Hygiene (20 min)
268 Pharma cGMP: Sterile Pharmaceutical Production (40 min)
269 Pharma cGMP: Quality Unit (30 min)
270 Pharma cGMP: Complaints and Recalls (20 min)
271 Pharma cGMP: Inspections and Audits (20 min)
272 Pharma cGMP: Training (25 min)
280 Introduction to Food Current Good Manufacturing Practice (Food cGMP) (25 min)
281 Food cGMP: Hazards to Food Safety (50 min)
282 Food cGMP: Hygiene and Sanitary Operations (25 min)
283 Food cGMP: Buildings, Facilities, and Equipment (30 min)
284 Food cGMP: Processes and Controls (25 min)
285 Food cGMP: Recalls and Traceability (25 min)

HAZWOPER

The HAZWOPER library provides a comprehensive selection of topics for everyone from new hires to Incident Commanders. These courses also can be used as the foundation for satisfying the 8-hour HAZWOPER refresher training requirements outlined in OSHA's Title 29 CFR 1910.120.

850 Site Security and Control (30 min)
851 Site Characterization and Analysis (25 min)
852 Regulations (45 min)
853 Hazards of Toxic Substances (50 min)
854 Identifying Hazardous Materials (55 min)
855 Spill Response (45 min)
856 Decontamination (40 min)
857 Site Safety and Health Program (35 min)
858 Site-Specific Safety and Health Plan (30 min)
859 Training (30 min)
860 Air Monitoring and Detection (40 min)
861 Sampling and Analysis (75 min)
862 Chemical Hazards (55 min)
863 Physical Hazards (75 min)
864 Personal Protective Equipment (60 min)
865 Medical Surveillance (45 min)
866 Confined Space Entry (75 min)
867 Information Sources (35 min)
868 Containment and Cleanup (25 min)
869 Rescue Equipment and First Aid (55 min)
870 Lockout/Tagout Procedures (55 min)
871 Emergency Response Plan (45 min)
872 Handling Drums and Containers (55 min)

General Maintenance

These courses cover general maintenance tasks performed in a wide variety of industries. Introductory information is presented with an emphasis on safety.

351 Machine Guarding (30 min)
352 Aerial Lifts (35 min)
357 Crane Operator Communication (30 min)
381 Introduction to Hand Tools: Part 1 (30 min)
382 Introduction to Hand Tools: Part 2 (25 min)
383 Power Tools (50 min)
384 Basic Rigging (45 min)
385 Slings (30 min)
386 Scaffolds (35 min)
417 Control Valves and Actuators (35 min)
432 Pressure Leak Testing Methods for Piping/Tubing (15 min)
448 Controller Basics (35 min)
704 Fabrication of Threaded Pipe (35 min)
712 Pipe Hangers and Supports (30 min)
715 Valve Installation and Maintenance (50 min)
723 Introduction to Steam Traps (50 min)
724 Thermostatic Steam Traps (20 min)
725 Mechanical Steam Traps (15 min)
726 Thermodynamic Steam Traps (25 min)

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ExxTend Learning

Port Facility Security

Motivated by the rapid rise in global terrorism and the events of 9/11, the International Maritime Organization (IMO) responded with the International Ship and Port Facility Security Code (ISPS). The Port Facility Security library is designed to provide the FSO and others with the maritime security knowledge they need to perform their specific duties, as well as to meet MTSA requirements.

749 Port Facility Security Awareness (40 min)
750 International Maritime Security Regulations (25 min)
751 Threats to Maritime Security (40 min)
752 Intermodal Operations (35 min)
753 Maritime Transportation Security Act (MTSA) (55 min)
754 MTSA for Facilities (20 min)
755 MTSA for Certain Dangerous Cargo (CDC) (20 min)
756 MTSA for Vessels (20 min)
757 Government and Law Enforcement in Maritime Security (25 min)
758 Ship/Port Interface Security (15 min)
759 Maritime Security Levels (MARSEC) (10 min)
760 Port Facility Security Actions (40 min)
761 Facility Security Assessments (45 min)
762 Risk Assessment Methodology (50 min)
763 Security Equipment (75 min)
764 Equipment Maintenance, Testing, and Calibration (55 min)
765 Port Facility Security Plan Development and Approval (40 min)
766 FSP Implementation and Maintenance (40 min)
769 Emergency Procedures (55 min)
770 Emergency Preparedness Drills and Exercises (70 min)
771 Recordkeeping and Document Management (35 min)
772 Training Requirements (15 min)
773 Training Techniques (45 min)
774 Weapons and Dangerous Substances (70 min)
775 Physical Searches and Screening Methods (85 min)
776 Site Search Methods (60 min)
777 Recognizing Persons Posing Risks (45 min)
778 Circumventing Security Measures (50 min)
779 Crowd Management (70 min)
780 Hazardous Materials (45 min)
781 Drug Awareness for Maritime Employees (55 min)
782 Drug and Alcohol Awareness for Supervisors (50 min)

Chemical Facility Security

Today, the threat of terrorism has added an imposing dimension to protecting petrochemical facilities. The Chemical Facility Security library provides comprehensive courses to help security personnel develop the vital edge they need to protect their workplaces.

950 CFS: Security Awareness (45 min)
951 CFS: Threats to Petrochemical Facilities (25 min)
952 CFS: Security Vulnerability Assessment (65 min)
953 CFS: Training Recommendations (30 min)
954 CFS: Security Equipment (90 min)
955 CFS: Testing, Calibration, and Maintenance of Security Equipment (60 min)
956 CFS: Facility Security Plan (45 min)
957 CFS: Emergency Response (55 min)
958 CFS: Emergency Preparedness Drills and Exercises (65 min)
959 CFS: Information and Cyber Vulnerabilities (55 min)
960 CFS: Training Techniques (45 min)
961 CFS: Weapons and Dangerous Substances (70 min)
962 CFS: Physical Searches and Screening Methods (85 min)
963 CFS: Site Search Methods (60 min)
964 CFS: Recognizing Persons Posing Risks (40 min)
965 CFS: Circumventing Security Measures (55 min)
966 CFS: Crowd Management (70 min)
967 CFS: Hazardous Materials Awareness (75 min)

Vocational / Technical

This series covers general vocational subjects and is appropriate for educational settings. Safety is emphasized and introductory level information is presented.

900 Woodshop Safety (40 min)
901 Laboratory Safety (25 min)
902 Introduction to Auto Shop Safety (45 min)
903 Auto Shop Chemical Safety (25 min)
904 Auto Shop Safety Procedures (20 min)
905 Auto Shop Tool Safety (25 min)
906 Metal Shop Safety (50 min)

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Industrial Process Fundamentals

These courses provide basic knowledge to all plant personnel but primarily focus on the plant operator. This series covers subjects common to most industrial plants. Topics are discussed in detail, emphasizing principles and theories.

211 How Process Operators Can Reduce Costs (50 min)
212 Process Control Tests — Part 1 (30 min)
213 Process Control Tests — Part 2 (20 min)
214 Plant Firefighting: Fuels and Combustion (45 min)
215 Plant Firefighting: Use of Water (45 min)
216 Plant Firefighting: Extinguishers and Foam (45 min)
217 Plant Firefighting: Tactics and Strategy (45 min)
218 Heat: Temperature and Heat (45 min)
219 Heat: Heat Transfer (50 min)
220 Heat: Combustion and Fuel (40 min)
221 Fluid Mechanics: The Nature of Fluids (25 min)
222 Fluid Mechanics: Units of Measurement (20 min)
223 Fluid Mechanics: The Behavior of Gases (35 min)
224 Fluid Mechanics: Fluid Statics (45 min)
225 Fluid Mechanics: Motion of Fluids (40 min)
226 Centrifugal Pumps (65 min)
227 Positive Displacement Pumps — Part 1 (45 min)
228 Positive Displacement Pumps — Part 2 (60 min)
229 Process Control Instruments (50 min)
231 Furnaces: Combustion and Air Control (40 min)
232 Furnaces: Startup and Shutdown (40 min)
233 Distillation: Hydrocarbons (55 min)
234 Distillation: Fractionating Equipment (60 min)
235 Distillation: Normal Operations (35 min)
236 Accident Control Techniques (50 min)
237 Compression in Industry — Part 1 (35 min)
238 Compression in Industry — Part 2 (35 min)
380 Basic Plant Mathematics (60 min)
611 AC Motors (50 min)

Process Operations

These courses are aimed at process plant operators, but can also be useful to maintenance personnel. They are designed to minimize accidents and downtime by promoting safety and efficiency.

612 Distillation Basics (30 min)
613 Operating Distillation Towers (30 min)
617 Reading P&IDs and PFDs (25 min)
618 Centrifugal Pump Basics (55 min)
619 Centrifugal Pumps: Installation, Troubleshooting, and Safety (45 min)
620 Heat Exchangers (40 min)
621 Valves (35 min)
622 Introduction to Cooling Towers (40 min)
623 Operating and Troubleshooting Cooling Towers (35 min)
624 Reciprocating Compressors (30 min)
625 Process Chemistry Basics (20 min)
626 Process Chemistry: Chemical Combinations and Properties (35 min)
627 Process Chemistry: Organic Compounds (30 min)
629 Cargo Trucks (30 min)
631 Tank Cars (40 min)
633 Reactors (30 min)

Operator-Performed Maintenance

These courses are designed to help operations personnel perform the necessary maintenance tasks needed to keep an operations process online.

301 Natural-Feed Lubrication Systems: Maintenance (10 min)
302 Filter Maintenance and Line Cleaning (15 min)
303 Connecting Flanges (10 min)
304 Installing Blinds (10 min)
305 Stopping Pipe and Flange Leaks (10 min)
306 Gauge Glass Maintenance Glass (10 min)
307 Friction and Lubrication Basics (15 min)
308 Natural-Feed Lubrication Systems: Monitoring (15 min)
309 Manways (10 min)
310 Natural-Feed Lubrication Systems (10 min)
311 Replacing Pressure and Temperature Gauges (10 min)
312 Pipe Fitting Basics (10 min)
313 Pipe Materials of Construction (10 min)
314 Tube Cutting (10 min)
315 Small Threaded Pipe Basics (10 min)
316 Common Tools (25 min)
317 Tube Fittings (5 min)
318 Tube Installation (5 min)
319 Valve Identification (10 min)
320 Installing Valves (10 min)
321 Stopping Valve Leaks (10 min)
322 Wrenches (10 min)

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Millwright

These courses present the basics of the millwright craft. They include detailed information on millwright methods, techniques, common mechanical components, and maintenance and repair tasks.

108 Cutting and Fitting Gaskets (25 min)
109 Hydraulics and Pneumatics — Part 1 (40 min)
110 Hydraulics and Pneumatics — Part 2 (20 min)
111 Hydraulics and Pneumatics — Part 3 (30 min)
112 Lubrication (25 min)
113 Introduction to Bearings (25 min)
114 Bearing Types and Maintenance (30 min)
115 Introduction to Bearing Lubrication (20 min)
116 Greased Bearing and Oil Mist Lubrication (40 min)
117 Compression Packings (35 min)
118 Automatic Packings (25 min)
120 V-Belts and Positive Drive Belts (60 min)
122 Mechanical Seals (40 min)
125 Introduction to Chain Drives (25 min)
126 Installation and Maintenance of Chain Drives (25 min)
129 Introduction to Pumps — Part 1 (25 min)
130 Introduction to Pumps — Part 2 (35 min)
131 Introduction to Pumps — Part 3 (25 min)
133 Shaft Alignment (35 min)
134 Pump Seals and Seal Flushes (45 min)
135 Positive Displacement Pumps (40 min)
136 Centrifugal Pumps (40 min)

Municipal: Environmental, Health, and Safety

These courses promote sound work practices for municipal employees. They are designed to satisfy many of the environmental, health, and safety regulations for initial and refresher employee training.

450 Municipal: Chlorine Safety (65 min)
451 Municipal: Heat Stress (30 min)
452 Municipal: Basics of Electrical Safety (55 min)
453 Municipal: Back Safety (40 min)
454 Municipal: Ergonomics (45 min)
455 Municipal: Confined Space Entry (75 min)
456 Municipal: Hearing Conservation (45 min)
457 Municipal: Fire Extinguisher Basics (30 min)
458 Municipal: Personal Protective Equipment (40 min)
459 Municipal: Lockout/Tagout (30 min)
460 Municipal: Hazard Communication (70 min)
461 Municipal: Bloodborne Pathogens (25 min)
462 Municipal: Ladder Safety (30 min)
463 Municipal: Asbestos Awareness (50 min)
464 Municipal: Forklift Basics, Operation, and Safety (100 min)
465 Municipal: Hot Work Permit (30 min)
466 Municipal: Fall Protection (45 min)

Off-The-Job Safety

These courses promote safety in areas of interest to the family at home, during recreational activities, during trips, and at school. They are designed for awareness of safety issues outside of the work environment.

501 Poison Control (30 min)
502 Stress Management (35 min)
503 Physical Fitness (30 min)
504 Spring Cleaning (35 min)
505 Home Safety (50 min)
506 Summer Safety (35 min)
507 Have a Safe Trip (95 min)
508 Back to School Safety (35 min)
509 Hunting Safety (35 min)
510 Fire Prevention (55 min)
511 Winter Preparation (40 min)
512 Christmas Safety (30 min)
513 Weight Control (60 min)
514 Child Passenger Safety (45 min)
515 Smoking Awareness (25 min)
516 Hypertension (25 min)
517 Heat Stress Prevention (40 min)
518 Fireworks Safety (30 min)
519 Skin Cancer (40 min)
520 Bites and Stings (40 min)
521 Preventing Sports Injuries (40 min)
522 Halloween Safety (15 min)
523 Handling Food Safely (45 min)
524 Toy Safety (55 min)
525 Safe Driving Practices (30 min)
526 Bicycle Safety (35 min)
527 Boating Safety (55 min)
528 Home Fall and Ladder Safety (35 min)
529 Creating Streetwise Kids (55 min)

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Pipeline Operator Qualification

The Pipeline Operator Qualification courses are designed to assist pipeline operators in meeting the requirements of the DOT Operator Qualification Rule (including 49 CFR Part 192 Subpart N and 49 CFR Part 195 Subpart G). The DOT Rule requires pipeline operators to develop and maintain a written qualification program for individuals performing covered tasks on pipeline facilities. The DOT also requires that pipeline operators qualify their workforce on covered tasks.

The ASME- and API-Based Covered Tasks courses align with the ASME B31Q and API RP 1161 standards and follow the task numbering structure. In addition to the ASME- and API-Based courses, you will find general pipeline operator qualification courses listed by category that are based on comprehensive topics. These courses may touch on one or more covered tasks. A link to a Performance Evaluation form is included with applicable courses to assist in documenting the field evaluation.

ASME-BASED COVERED TASKS*

These courses provide an overview of the knowledge, skills, and competencies required to perform specific tasks as required under DOT pipeline operator qualification regulations and are based on the ASME B31Q Covered Tasks. Each Covered Task is accompanied with a Performance Evaluation form.

ASME-0001 Measure Structure-to-Electrolyte Potential (15 min)
ASME-0011 Conduct Close Interval Survey (20 min)
ASME-0021 Measure Soil Resistivity (25 min)
ASME-0031 Inspect and Monitor Galvanic Ground Beds/Anodes (20 min)
ASME-0041 Install and Maintain Mechanical Electrical Connections (10 min)
ASME-0051 Install Exothermic Electrical Connections (20 min)
ASME-0061 Inspect or Test Cathodic Protection Bonds (15 min)
ASME-0071 Inspect or Test Cathodic Protection Electrical Isolation Devices (20 min)
ASME-0081 Install Cathodic Protection Electrical Isolation Devices (25 min)
ASME-0091 Troubleshoot Active Cathodic Protection System (20 min)
ASME-0101 Inspect Rectifier and Obtain Readings (15 min)
ASME-0111 Maintain Rectifier (35 min)
ASME-0141 Perform Visual Inspection for Atmospheric Corrosion (15 min)
ASME-0151 Perform Visual Inspection of Buried Pipe and Components When Exposed (20 min)
ASME-0161 Perform Visual Inspection for Internal Corrosion (15 min)
ASME-0171 Measure External Corrosion (25 min)
ASME-0181 Measure Internal Corrosion (30 min)
ASME-0191 Measure Atmospheric Corrosion (30 min)
ASME-0201 Perform Visual Inspection of Installed Pipe and Components for Mechanical Damage (15 min)
ASME-0211 Measure and Characterize Mechanical Damage on Installed Pipe and Components (15 min)
ASME-0221 Inspect, Test, and Maintain Sensing Devices (15 min)
ASME-0231 Inspect, Test, and Maintain Programmable Logic Controllers (PLC) (15 min)
ASME-0241 Inspect, Test, and Maintain Liquid Leak Detection Flow Computers (15 min)
ASME-0271 Prove Flowmeters for Hazardous Liquid Leak Detection (25 min)
ASME-0281 Maintain Flowmeters for Hazardous Liquid Leak Detection (25 min)
ASME-0291 Inspect, Test, and Maintain Gravitometers/Densitometers for Hazardous Liquid Leak Detection (20 min)
ASME-0301 Open and Close Valves Manually (20 min)
ASME-0311 Operate Valves Manually to Adjust Flow/Pressure and Monitor for Changes (25 min)
ASME-0321 Perform Valve Corrective Maintenance (20 min)
ASME-0331 Perform Valve Visual Inspection and Partial Operation (15 min)
ASME-0341 Perform Valve Preventive Maintenance (25 min)
ASME-0351 Inspect, Test, and Maintain Pneumatic Actuator/Operator (15 min)
ASME-0361 Inspect, Test, and Maintain Electric Actuator/Operator (15 min)
ASME-0371 Inspect, Test, and Maintain Hydraulic Actuator/Operator (15 min)
ASME-0381 Inspect, Test, and Maintain Spring-Loaded Pressure-Regulating Device (15 min)
ASME-0391 Inspect, Test, and Maintain Pilot-Operated, Pressure-Regulating Device (15 min)
ASME-0401 Inspect, Test, and Maintain Controller-Type Pressure-Regulating Device (15 min)
ASME-0411 Inspect, Test, and Maintain Spring-Loaded, Pressure-Limiting, or Pressure-Relief Device (15 min)
ASME-0421 Inspect, Test, and Maintain Pilot-Operated, Pressure-Limiting, or Pressure-Relief Device (15 min)
ASME-0431 Inspect, Test, and Maintain Pneumatic-Loaded, Pressure-Limiting or Pressure-Relief Device (15 min)
ASME-0551 Inspect, Test, and Maintain Fixed Explosive Atmosphere Detection and Alarm System (15 min)

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ASME-BASED COVERED TASKS* CONTINUED

ASME-0561	Perform Pressure Test Using a Nonliquid Medium — MAOP Less Than 100 psi (700 kPa) (15 min)
ASME-0571	Perform Pressure Test Using a Nonliquid Medium — MAOP Greater Than or Equal to 100 psi (700 kPa) (10 min)
ASME-0581	Perform Pressure Test Using a Liquid Medium (10 min)
ASME-0591	Perform Leak Test at Operating Pressure (15 min)
ASME-0641	Perform Visual Inspection of Pipe and Components Prior to Installation (15 min)
ASME-0671	Join Plastic Pipe Using Solvent Cement (10 min)
ASME-0681	Join Plastic Pipe Using Stab Fittings (10 min)
ASME-0691	Join Pipe Using Nonbottom-Out Compression Couplings (15 min)
ASME-0701	Join Pipe Using Bottom-Out Compression Couplings (15 min)
ASME-0711	Join Pipe Using Compression Couplings (15 min)
ASME-0721	Join Pipe Using Threaded Joints (20 min)
ASME-0731	Join Pipe Using Flange Assembly (20 min)
ASME-0751	Join Plastic Pipe Using Manual Butt Heat Fusion (20 min)
ASME-0761	Join Plastic Pipe Using Hydraulic Butt Heat Fusion (25 min)
ASME-0771	Join Plastic Pipe Using Sidewall Heat Fusion (25 min)
ASME-0781	Join Plastic Pipe Using Electrofusion (30 min)
ASME-0791	Join Plastic Pipe Using Socket Heat Fusion (20 min)
ASME-0811	Perform Visual Inspection of Welding and Welds (20 min)
ASME-0821	Install Tubing and Fittings (25 min)
ASME-0861	Install Steel Pipe in a Ditch (20 min)
ASME-0871	Install Steel Pipe in a Bore (20 min)
ASME-0881	Install Steel Pipe Through Plowing/Pull-In (15 min)
ASME-0891	Perform Field Bending of Steel Pipe (20 min)
ASME-0901	Install Plastic Pipe in a Ditch (15 min)
ASME-0911	Install Plastic Pipe in a Bore (10 min)
ASME-0921	Install Plastic Pipe Through Plowing/Pull-In (10 min)
ASME-0931	Install Plastic Pipe Through Plowing/Planting (10 min)
ASME-0935	Relocate a Pipeline (15 min)
ASME-0941	Install Tracer Wire (10 min)
ASME-0951	Install Pipe Aboveground (20 min)
ASME-0961	Inspect and Maintain Aboveground Supports and Anchors (15 min)
ASME-0971	Install and Maintain Casing Spacers, Vents, and Seals (25 min)
ASME-0981	Perform Backfilling (20 min)
ASME-0991	Apply or Repair Brushed or Rolled Coatings (30 min)
ASME-1001	Apply or Repair Sprayed Coatings (25 min)
ASME-1011	Apply or Repair Wrapped Coatings (25 min)
ASME-1041	Install Bolted Mechanical Clamps and Sleeves (15 min)
ASME-1051	Fit-Up Weld-Type Repair Sleeves (10 min)
ASME-1071	Repair Steel Pipe by Grinding (10 min)
ASME-1081	Tap a Pipeline [Tap Diameter 2 in. (50 mm) and Less] (15 min)
ASME-1091	Tap a Pipeline [Tap Diameter Greater Than 2 in. (50 mm)] (15 min)
ASME-1101	Tap a Pipeline With a Built-In Cutter (15 min)
ASME-1111	Tap Cast and Ductile Iron Pipe and Low-Pressure Steel Pipe (15 min)
ASME-1121	Install, Monitor, and Remove Bags or Stoppers in Low-Pressure Pipe (30 min)
ASME-1131	Perform Stopping of Pipe (15 min)
ASME-1141	Squeeze Off Plastic Pipe (15 min)
ASME-1151	Squeeze Off Steel Pipe (20 min)
ASME-1161	Install Residential and Small Commercial Meters and Regulators (25 min)
ASME-1171	Install Large Commercial and Industrial Meters and Regulators (25 min)
ASME-1181	Install and Maintain Large Commercial and Industrial Pressure-Regulating, Pressure-Limiting, or Pressure-Relief Devices (15 min)
ASME-1191	Maintain Service Valve Upstream of Customer Meter (10 min)
ASME-1201	Isolate Service Lines Temporarily, Including Service Discontinuance (20min)
ASME-1211	Perform Periodic Sampling of Odorization (20 min)
ASME-1221	Inspect, Test, and Maintain Odorizer (20 min)
ASME-1231	Perform Inside Gas Leak Investigation (10 min)
ASME-1241	Perform Outside Gas Leak Investigation (10 min)
ASME-1251	Perform Hazardous Liquid Leak Investigation (15 min)
ASME-1261	Perform Walking Gas Leakage Survey (10 min)
ASME-1271	Perform Mobile Gas Leakage Survey (15 min)
ASME-1291	Locate Underground Pipelines (25 min)
ASME-1301	Install and Maintain Pipeline Markers (25 min)
ASME-1311	Inspect Pipeline Surface Conditions by Patrolling Right-of-Way or Easement (20 min)
ASME-1321	Perform Damage Prevention During Excavation Activities by or on Behalf of the Operator (20 min)
ASME-1331	Perform Damage Prevention Inspection During Third-Party Excavation/Encroachment Activities as Determined Necessary by Operator (20 min)
ASME-1341	Provide/Ensure Adequate Pipeline Support During Operator-Initiated Excavation Activities (15 min)
ASME-1351	Inspect and Maintain Vault (15 min)
ASME-1361	Inspect, Test, and Maintain Station Emergency Shutdown System (20 min)
ASME-1411	Perform Indirect Inspection (15 min)
ASME-1631	Launch or Receive Internal Devices (Pigs) With a Temporary Launcher or Receiver for Lines Not in Service (15 min)
ASME-1651	Perform Purging of Pipeline Facilities (15 min)

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ExxTend Learning

API-Based Covered Tasks*

These courses provide an overview of the knowledge, skills, and competencies required to perform specific tasks as required under DOT pipeline operator qualification regulations and are based on the API RP 1161 Covered Tasks. Each Covered Task is accompanied by a Performance Evaluation form.

CT-1.1 Measure Structure-to-Soil Potentials (15 min)
CT-1.2 Conduct Close Interval Survey (20 min)
CT-1.4 Inspect and Perform Electrical Test of Bonds (15 min)
CT-1.5 Inspect and Test Electrical Isolation (15 min)
CT-2.1 Verify Test Lead Continuity (15 min)
CT-2.4 Install Test Leads by Exothermic Welding Methods (20 min)
CT-3.0 Obtain a Voltage and Current Output Reading From a Rectifier to Verify Proper Performance (15 min)
CT-4.1 Troubleshoot Rectifier (15 min)
CT-4.2 Repair or Replace Defective Rectifier Components (20 min)
CT-4.3 Adjustment Rectifier (20 min)
CT-5.1 Examine for Mechanical Damage on Buried or Submerged Pipe (15 min)
CT-5.2 Examine for External Corrosion on Buried or Submerged Pipe (15 min)
CT-5.3 Inspect the Condition of External Coating on Buried or Submerged Pipe (15 min)
CT-7.1 Perform Visual Inspection of Atmospheric Coatings (15 min)
CT-7.5 Apply Coating Using Hand Application Methods (40 min)
CT-7.6 Apply Coating Using Spray Applications (25 min)
CT-7.7 Perform Coating Inspection (20 min)
CT-8.3 Measure Corroded Area (20 min)
CT-9.5 Repair Shorted Casings (20 min)
CT-9.6 Install Electrical Insulating Device (40 min)
CT-12.0 Perform Visual Inspection of Internal Pipe Surface (20 min)
CT-14.1 Locate Line (30 min)
CT-14.2 Install, Inspect, and Maintain Permanent Marker (25 min)
CT-14.5 Install, Inspect, and Maintain Temporary Marker (20 min)
CT-15.1 Perform Visual Inspection of Surface Conditions of Right-of-Way (25 min)
CT-19.2 Perform Valve Lubrication (10 min)
CT-19.5 Adjust Actuator/Operator, Electric (15 min)
CT-19.6 Adjust Actuator/Operator, Pneumatic (15 min)
CT-19.7 Adjust Actuator/Operator, Hydraulic (15 min)
CT-21.1 Repair Valve Actuator/Operator, Pneumatic (15 min)
CT-21.3 Perform Internal Inspection of Valves (30 min)
CT-21.4 Repair Valve Actuator/Operator, Hydraulic (15 min)
CT-21.5 Repair Valve Actuator/Operator, Electric (15 min)
CT-22.2 Inspect, Test, and Calibrate HVL Tank Pressure-Relief Valves (15 min)
CT-23.1 Maintain/Repair Relief Valves (15 min)
CT-23.2 Inspect, Test, and Calibrate Relief Valves (15 min)
CT-24.1 Maintain/Repair Pressure-Limiting Devices (15 min)
CT-24.2 Inspect, Test, and Calibrate Pressure-Limiting Devices (20 min)
CT-25.1 Inspect, Test, and Calibrate Pressure Switches (15 min)
CT-25.2 Inspect, Test, and Calibrate Pressure Transmitters (20 min)
CT-32.0 Observe Excavation Activities (30 min)
CT-38.1 Perform Visual Inspection of Pipe and Pipe Components Prior to Installation (15 min)
CT-38.3 Perform Visual Inspection of Welds (10 min)
CT-39.0 Perform Backfilling (20 min)
CT-40.4 Install Mechanical Bolt-On Split Repair Sleeve (15 min)
CT-40.6 Install and Remove Plugging Machine (15 min)
CT-43.4 Operate Valves Remotely on a Liquid Pipeline System (15 min)
CT-44.3 Inspect, Test, and Maintain a Flow Computer for Hazardous Liquid Leak Detection (20 min)
CT-44.5 Prove Flow Meters for Hazardous Liquid Leak Detection (20 min)
CT-44.6 Maintain Flow Meters for Hazardous Liquid Leak Detection (20 min)
CT-44.7 Inspect, Test, and Maintain Gravitometers/Densitometers for Hazardous Liquid Leak Detection (20 min)
CT-44.8 Inspect, Test, and Maintain Temperature Transmitters for Hazardous Liquid Leak Detection (25 min)
CT-63.4 Operate Valves Locally on a Liquid Pipeline System (20 min)

OQ General

001 Operator Qualification Summary (15 min)
002 Introduction to the Natural Gas Industry (25 min)
003 Guidelines for Proctoring Tests and Evaluations (10 min)
004 Documenting a Field Evaluation in ExxTend Learning™ (15 min)
*0361 Electric Valve Actuators (40 min)
*0981 Backfilling (20 min)
100 Prevention of Accidental Ignition and Potential Ignition Sources (60 min)
1010 Abnormal Operating Conditions: Recognize and React (40 min)
1011 Abnormal Operations and Safety-Related Conditions (15 min)
1012 Abnormal Operations (15 min)
103 Characteristics and Properties of Natural Gas (55 min)
*105 CGIs and Flame Ionization Units (60 min)
*106 OSHA/DOT — Excavation Safety (60 min)
*107 Pipeline Pigging (90 min)
108 Work Zone Safety (20 min)
*200 Leak Survey and Leak Classification (100 min)
*201 Population Density Change and Pipeline Patrol (75 min)
205 Pipeline Crossings (65 min)
*206 Leak and Pipeline Failure Investigation (65 min)
*207 Investigating Pipeline Failure (15 min)

*Includes Performance Evaluation Form

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ExxTend Learning

OQ General continued

*244 Current Interrupters (20 min)
*3000 Damage Prevention (35 min)
*3001 Locating and Marking Buried Pipelines (30 min)
*301 Vault Inspection and Confined Space Entry (75 min)
305 Dehydration of Natural Gas (45 min)
306 Dehydration with Triethylene Glycol (75 min)
*400 Valve Actuators (45 min)
*4010 General Valve Maintenance (25 min)
*4011 Plug Valve Maintenance (20 min)
*4012 Ball Valve Maintenance (25 min)
*4013 Gate Valve Maintenance (20 min)
*4020 Inspecting and Testing Pressure Limiting Devices (25 min)
*4021 Inspecting and Testing Regulators (30 min)
*4022 Inspecting and Testing Control Valves (15 min)
*4030 Pressure Testing Steel Pipelines — Gas (40 min)
*4031 Pressure Testing Plastic Pipelines (35 min)
*407 Joining Steel Pipe Other Than by Welding (35 min)
408 Maintaining and Repairing Pressure Limiting Devices (30 min)
*4090 Pipeline Repair: Grinding, Welding, and Sleeving (35 min)
*4091 Pipeline Repair: Composites (25 min)
*4095 Pipeline Repair: Sleeving Including Helical Pipe (40 min)
*410 Cast Iron Joints (15 min)
*411 Pipeline Purging With Air and Gas (40 min)
*4120 Hot Tapping (35 min)
*4121 Line Stopping (50 min)
414 Abandonment of Facilities (45 min)
*415 Installation of Anodes (25 min)
416 Pipeline Shutdown and Startup Planning (45 min)
*501 Cathodic Protection Troubleshooting (50 min)
*502 Cathodic Protection — Rectifiers (35 min)
*503 Protective Coatings (45 min)
*504 Installation of Test Stations (25 min)
505 Cathodic Protection Criteria (40 min)
*506 Electrical Insulator Inspections and Testing Casings (40 min)
*507 Internal Corrosion (45 min)
*508 Interference: A.C. and DC (45 min)
*5090 Structure to Electrolyte Surveys (40 min)
5091 Basic Corrosion (25 min)
*5093 Close Interval Surveys (35 min)
*510 Atmospheric Corrosion — Pipeline Operations (30 min)
5110 Rigging: Planning and Inspections (55 min)
5111 Safe Rigging Practices (35 min)
*600 Electric Arc Welding (95 min)
*601 Welder Qualification (130 min)
*602 Weld Repairs and Welding Procedures (60 min)
*604 Oxygen/Acetylene Welding and Cutting (90 min)
*606 NDT: Magnetic Particle Inspection (35 min)
*607 NDT: Liquid Dye Penetrant Inspection (35 min)
608 Pipeline Integrity: High Consequence Area Field Surveys (30 min)
*609 Dresser Coupled Pipelines (25 min)
*610 Ultrasonic Thickness Testing (35 min)
7000 Compressor Station Operations and Safety (40 min)
*7001 Compressor Stations: Design and Emergency Planning (45 min)
*701 Reciprocating Compressor Units (85 min)
*703 Compressor Operation: Turbine Units (95 min)
*704 Compressor Operation: Compressor Cylinders (60 min)
*705 Compressor Operation: Gas Path Integrity (70 min)
*706 Compressor Operation: Power Cylinder Balancing (45 min)
*800 Gas Control (60 min)
900 Fundamentals of Electricity (95 min)
*901 Basic Electronics: PLCs (70 min)
902 Basic Electronics: SCADA (105 min)
1200 Underground Storage of Natural Gas and Liquids (95 min)
*1312 Aerial Patrol (30 min)

OQ Distribution

*202 Odorization: Concentration Testing (70 min)
*404 Plastic Pipe Fusion (100 min)
*404 Plastic Pipe Fusion — Spanish Version (100 min)
*405 Electrofusion (70 min)
*406 Mechanical Fittings (65 min)
413 Up-Rating Pipeline Systems (65 min)
*417 Installation of Plastic Mains and Services — Part 1 (45 min)
*418 Installation of Plastic Mains and Services — Part 2 (55 min)
419 Natural Gas Operations and Maintenance Safety (70 min)
*420 Installation of Steel Mains and Services (65 min)
*421 Pipeline Tie-In Methods (35 min)
*500 Atmospheric Corrosion — Distribution Operations (40 min)
*1221 Install Meters and Regulators — Residential (50 min)
*1231 Install Meters and Regulators — Commercial (60 min)

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OQ Liquids Pipeline

LQ100 LQ: Subpart H — Corrosion Control (30 min)
*LQ201 L.Q.: Pipeline Patrol (50 min)
*LQ202 L.Q.: Pressure Testing Steel Pipelines (35 min)
*LQ300 L.Q.: Marking Pipelines — Temporary and Permanent (65 min)
*LQ400 L.Q.: Below Ground Pipe Coatings and Exposed Pipe (85 min)
*LQ415 L.Q.: Installation of Anodes (50 min)
*LQ416 L.Q.: Conduct Annual Surveys (110 min)
*LQ501 L.Q.: Cathodic Protection Troubleshooting (70 min)
*LQ502 LQ: Rectifier Inspections (80 min)
*LQ504 LQ: Installation of Test Stations (50 min)
*LQ508 L.Q.: Interference (A.C. and D.C.) (60 min)
*LQ707 L.Q.: Introduction to Compressor and Pump Operations (85 min)
*LQ800 L.Q.: Pipeline System Control (65 min)
*LQ901 LQ: Programmable Logic Controllers (125 min)
*LQ902 L.Q.: Pressure Switches (50 min)
*LQ903 L.Q.: Pressure Transmitters (60 min)
*LQ0271 L.Q.: L.Q.: Meter Maintenance and Proving (35 min)
*LQ0293 L.Q.: Flushing and Purging Pipeline Systems (40 min)
*LQ0401 L.Q.: Inspecting and Testing Control Valves (25 min)
LQ1012 LQ: Abnormal Operations (15 min)
*LQ1100 L.Q.: Cathodic Protection — Aboveground Storage Tanks (70 min)
*LQ1102 L.Q.: Inspection — Aboveground Storage Tanks (60 min)
*LQ1641 L.Q.: Pigging: Launching and Receiving (55 min)
*LQ2350 L.Q.: Aboveground Storage Tank Overfill Protection (70 min)

OQ DOT Compliance

850 Public Awareness (35 min)
851 DOT Drug Awareness (75 min)
852 DOT Alcohol Awareness (60 min)
853 Contractor Safety (35 min)
854 Accident/Incident Investigation Overview (30 min)
858 System Control: Fatigue Management for Supervisors (30 min)
859 System Control: Fatigue Management for Controllers (30 min)
860 System Control: Control Room Management Regulations (30 min)

OQ Emergency Response and Planning

102 Emergency Plans and Public/Contractor Education (100 min)
ER1300 Facility Response Plan for Hazardous Liquids Pipelines (25 min)
ER1301 Emergency Response Plan for Natural Gas Pipelines (25 min)
ER1302 Working With the Media During an Emergency (35 min)
ER1304 Pandemic Preparedness: What Every Employee Should Know (30 min)
ER1305 Pipeline Security Planning (50 min)
ER1306 Corporate Emergency Management Plan (20 min)
ER1308 SPCC Plans for Non-Production/Bulk Storage Facilities (35 min)
ER1309 SPCC Plans for Onshore Production Facilities (35 min)

OQ Environmental

855 Introduction to Waste Management and Minimization (50 min)
856 Air Permitting for Supervisors (25 min)
8561 Air Permitting Awareness (20 min)
857 Environmental Awareness (30 min)

OQ Instrument Use and Care

*903 Using the DTEX Odorant Detection Instrument (30 min)
*904 Using the Heath ODORATOR® (15 min)
905 Using the Heath Gasurveyor® 3-500 (30 min)
906 Using the T82 Single Gas Monitor (20 min)
*907 Using the Radiodetection Pipe Locator (75 min)
*908 Using the Metrotech Pipe Locator (60 min)
*909 Ditch Witch® Pipe Locators (40 min)
910 Using a Digital Multimeter (45 min)

OQ Human Resources

HR1000 Human Performance Systems (40 min)
HR1001 The Mentoring Process (65 min)
HR1002 Job Performance Evaluations (35 min)
HR1003 Effective Media Relations (35 min)
HR1004 Incident Command System and Natural Gas Emergencies (35 min)
HR1005 Ethics and Compliance (50 min)
HR1006 Management of Change (35 min)
HR1007 Right-of-Way Agent Training: Landowner Communications (30 min)

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