

LTAP BASIC BACKHOE OPERATION COURSE 32 HOURS OF INSTRUCTION

Course Prerequisites

Student's agency must provide equipment for student training.

Course Objective

After completing this course, the student should be able to operate a backhoe safely and perform the jobs listed below at a basic performance level.

Course Format

The training methods used are classroom instruction and hands-on skill experience, with the bulk of the training in demonstrative and practice exercises on the equipment. Audiovisual representation, discussion and handout materials generally cover classroom instruction.

Student Objectives

1. Identify backhoe instruments and controls.
2. State general safety rules for backhoe operation.
3. Demonstrate the ability to perform:
 - a. Service of a backhoe
 - b. Start up and shut down of a backhoe
 - c. Basic backhoe maneuvers
 - d. Safe backhoe operation
4. Trench to specified dimensions (width-depth-length). Knowledge of OSHA regulations for trenching.
5. Load and tie down procedures for transport.
6. Drive backhoe in traffic
7. Load a dump truck with loader and back buckets.

Course Schedule

Introduction, Safety, Utility lines locate, Preventative Maintenance Check List, Operations, Field Exercises, Instruments & Controls, Backhoe Operations, Loading Trucks, Load/Tie-down Procedure, Driving in Traffic, Review, Issue Certificate of Training.

LTAP BASIC SCRAPER OPERATIONS COURSE

32 HOURS OF INSTRUCTION

Course Prerequisites

Student's agency must provide equipment for student training.

Course Objective

After completing this course, the student should be able to operate a scraper safely and perform the jobs listed below at a basic performance level.

Course Format

The training methods used are classroom instruction and hands-on skill experience, with the bulk of the training in demonstration and practice exercises on the equipment. Classroom instruction is generally covered by audiovisual presentation, discussion and handout materials.

Student Objectives

1. Perform and record daily preventive maintenance check on a scraper
2. Start the scraper following the proper procedures
3. Identify instruments and controls
4. Demonstrate the ability to safely
 - a. Cut, load earth, move to fill area, and spread
 - b. Strip topsoil
 - c. Operate scraper
 - d. Finish grade a pad
5. Shut down scraper following the proper procedures.

Course Schedule

Introductions, Safety, Utility line locate, Preventive Maintenance Check List, Operations, Field Exercises, Instruments & Controls, Scraper Operation, Review, Summary, and Issue Certificate of Training.

LTAP TRANSPORT DRIVER COURSE

Course Prerequisites

Student must possess a CDL License or Obtain a CDL Learners Permit prior to class attendance. Student's agency must provide equipment for student training.

Course Objective

On successful completion of this course, the student will be able to operate a semi-tractor with lowboy trailer and perform the jobs listed below at a basic performance level.

Course Format

The training methods used are classroom instruction and hands-on skill experience, with the bulk of the training in demonstrative and practice exercises on the equipment. Audiovisual representation, discussion and handout material generally cover classroom instruction.

Student Objectives

1. Perform daily preventive maintenance checks (including C.D.L. Requirements for pre-trip inspection) on a semi tractor and lowboy trailer.
2. Start the semi tractor following the proper procedures
3. Know coupling and uncoupling procedures
4. Shift the semi tractor.
5. Maneuver tractor and trailer through obstacles (forward and reverse)
6. Back up the tractor and lowboy into a loading dock
7. Load and secure different types and sizes of equipment on lowboy following basic Highway Department and Motor Vehicle Department safety procedures.
8. Haul the equipment using the correct shifting procedures (smoothly and safely)
9. Unload the equipment from the lowboy following all safety procedures.
10. Know shutdown procedures for the semi tractor

Course Schedule

Introduction, Safety, Preventive Maintenance and Commercial Drivers License Pre-Trip, Shifting and Maneuvering Loading and Securing, Motor Vehicle Department Rules & Regulations for Oversize Loads, Road Trips.

LTAP BASIC DOZER OPERATION COURSE

32 HOURS OF INSTRUCTION

Course Prerequisites

Student's agency must provide equipment for student training.

Course Objective

After completing this course, the student should be able to operate a bulldozer safely and perform the jobs listed below at a basic performance level.

Course Format

The training methods used are classroom instruction and hands-on skill experience, with the bulk of the training in demonstrative and practice exercises on the equipment. Audiovisual representation, discussion and handout materials generally cover classroom instruction. Classes are conducted on site, using students supplied equipment.

Student Objectives

1. Perform and record daily preventive maintenance check on a bulldozer.
2. Start the bulldozer following the proper procedures.
3. Identify instruments and controls.
4. Dig a pit with a bulldozer.
5. Fill a pit with a bulldozer.
6. Level with a bulldozer
7. Shut down bulldozer following the proper procedures.
8. Load, tie down and transport procedures

Course Schedule

Introduction, Safety, Utility Line Locate, Preventive Maintenance Check List, Operations, Field Exercises Dozer Instruments & Controls, Dozer Operations, Review, Summary, Issue Certificate of Training

LTAP MOTOR GRADER

32 HOURS OF INSTRUCTION

Course Prerequisites

Student's agency must provide equipment for student training.

Course Objective

After completing this course, the student should be able to operate a motor grader safely and perform the tasks listed below. Have a basic knowledge of math, an understanding of compaction and compaction procedures, is able to interpret the uses of stakes and information found on stakes and understand basic unpaved road maintenance procedures and motor grader procedures necessary for working an unpaved road.

Course Format

The training methods used are classroom instructions and hands-on skill experience, with the bulk of the training in demonstration and practice exercises on the equipment. Audiovisual presentation, discussion and handout materials generally cover classroom instruction.

Student Objectives

1. Demonstrate the ability to perform and record preventative maintenance inspection
2. Maneuver a motor grader.
3. Cut fore slope and back slope
4. Grade an unpaved road.
5. Perform round bottom ditch construction
6. Build appropriate crown on an unpaved road
7. Windrow material uniformly.
8. Lay material evenly to a given depth.
9. Knowledge of basic math
10. Understanding density, compaction properties, and the reasons for compaction.
11. Know the proper procedures for compaction.
12. Be able to interpret the uses of stakes and information found on stakes.
13. Demonstrate ability to check cuts and fills, check graders, and use a hand level.

Course Schedule

Introduction, Safety, Utility Line Locate, Preventative Maintenance Check List, Operations, Stake Identification, Math, Compaction, Field Exercises, Review, Summary, Issue Certificate of Training

LTAP DUMPTRUCK / LOADER OPERATION COURSE

32 HOURS OF INSTRUCTION

Course Prerequisites

Student's agency must provide equipment for student training.
Student must possess CDL License or CDL Learner's Permit.

Course Objective

Upon completing this course, the student will be able to: spread dump, single pile dump, and spot dump. Student will also be able to load a dump truck with the front-end loader and work a stockpile following basic safety rules and procedures.

Course Format

The training methods used are classroom instruction and hands-on skill experience, with the bulk of the training in demonstration and practice exercises on the equipment. Classroom instruction is generally covered by audiovisual presentation, discussion and handout materials.

Student Objectives

1. Perform and record preventive maintenance on the dump truck and loader.
2. Start up and shut down procedure for dump truck and loader.
3. Maneuver through cones forward and reverse.
4. Dump material at a designated depth in a given area.
5. Know shutdown procedures for the dump truck and loader.
6. Work a stockpile following basic safety procedures.
7. Load dump truck smoothly and safely.
8. Load and Tie-down Procedure.

Course Schedule

Introductions, Safety, Utility line locate, Preventive Maintenance Check List, Operations, Field Exercises, Instruments & Controls, Loading Truck, Dumping Trucks, Leveling, Review, Summary, and Issue Certificate of Training