

COMPREHENSIVE JOB SKILL TRAINING CLASSES

Asbestos Abatement Training (40 Hours)

IDEM Accredited

1. Health effects-lecture
2. Respiratory protection-lecture & hands-on
3. Protective clothing-lecture & hands-on
4. Setting up decontamination unit
5. Waste disposal-lecture & hands-on
6. Methods of minimizing exposure-lecture
7. Medical surveillance-lecture
8. Technical aspects of air sampling-lecture
9. Supervisory requirements

Asphalt Placement (40 Hours)

1. Asphalt lute, rake & smoother
2. Vibratory roller & tamp
3. Power box paver
4. Quality assurance

Basic Construction Math (40 Hours)

1. Addition, subtraction, multiplication and division of whole numbers, mix numbers, decimals and fractions
2. Convert between decimals and common fractions
3. Use of the pocket calculator
4. Read a rule and measure
5. Learning Const. Math formulas

Concrete Mixing, Placing, Finishing, etc. (80 Hours)

1. Concrete properties & specifications
2. Concrete mixing, pouring & placing
3. Concrete finishing walls & slab
4. Concrete vibration, air, gas & electric
5. Side ditch & slope wall
6. Specialized hand tools
7. Wire mesh & rebar
8. Soil compactors
9. Road forms
10. Power screed, concrete saws

Concrete Specialist I (80 Hours)

1. Concrete technology

2. Concrete pouring, placing & finishing using various power & hand tools
3. Use of transits & building levels to establish grade
4. Straight edge checker
5. Power screed, Concrete saws
6. Power Trowel, Specialized hand tools

Foreman Preparedness (40 Hours)

1. Communications
2. Construction Math
3. Project organization & documentation
4. Health & safety recognition
5. Dealing with people
6. Problem solving
7. Layout with instruments

General Construction (80 Hours)

1. Traffic control (Flagging)
2. Tools & material recognition
3. Power tools
4. Compaction
5. Rigging & Signaling
6. Cutting & burning
7. Introductory Construction Math
8. Powder Actuated Tool
9. Introduction to Concrete

Mason Tending (80 Hours)

1. Conventional & Morgen scaffolding
2. Techniques of hod carrying & mortar mixing
3. Estimating & tempering
4. Forklift operation safety (Part one)
5. Scaffold Orientation Safety

Microbial Remediation (40 Hours)

- Part A. Introduction to air pollution-lecture
Health effects-lecture
Work area sampling-lecture
Hazard Communication Regulations
Personal Protection-lecture & hands on
Remediation techniques-lecture & hands on
Decontamination-lecture & hands on
- Part B. Introduction to confined spaces-lecture

- Hazard recognition-lecture
Health effects-lecture
Atmospheric Monitoring-Lecture & hands on
Entry Permit-lecture & simulated confined space entry
Controlling Atmospheric Hazards-lecture
Controlling Hazardous Energy-lecture

OSHA Construction Safety, First Aid & CPR (40 Hours)

1. Dept. of Labor, OSHA-10 Hr. Construction Safety Course
2. National Safety Council-First Aid & CPR
3. Hazard Communication Course
4. Traffic Control (Flagging)

Pipelaying, Shoring & Laser (80 Hours)

1. Shoring (hydraulic, timber & screw jacks)
2. Pressure pipelaying techniques
3. Pipe fusion
4. Water pipe installation & assembly
5. Tapping & hydrostatic testing
6. Utility line & grade
7. Sanitary sewer & storm drain systems
8. Laser Operator Training & Safety

Print Reading-Building & Trades (40 Hours)

1. Part I, fundamentals
2. Part II, residential & light commercial
3. Part III, general construction specification & heavy construction

Print Reading-Highway & Bridge (40 Hours)

1. Highway & bridge plan reading as designed by the State Highway Commission

Transit, Levels & Grade Checking (80 Hours)

1. Basic Math Pre-test
2. Squaring principles and layout
3. Basic survey procedures
4. Referencing and staking
5. Instruments
6. String line exercises
7. Slope staking (eye levels)
8. Laser operator training & safety