

COMPREHENSIVE JOB SKILL TRAINING CLASSES - BEDFORD

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

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

Introduction to Concrete (40 Hours)

1. Safety of Concrete & Properties
2. Subgrade for Concrete
3. Concrete Forming
4. Concrete Pouring & Finishing
5. Specialized Hand Tools

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
7. Pouring & Finishing Stencil Crete

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

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

7. Wire mesh & rebar
8. Soil compactors
9. Road forms
10. Power screed, concrete saws

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. Tool & 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

Hazardous Waste Worker Training (80 Hours)

1. Hazard recognition
2. Health effects
3. Personal protective equipment
4. Decontamination
5. Site safety & health plans
6. Safe handling techniques
7. Safe sampling techniques & air monitoring
8. Superfund community relations
9. Legal rights
10. Confined Space

Hydro-Mobile Scaffolding (40 Hours)

1. Forklift Operation Safety (Part One)
2. Scaffold Orientation Safety
3. Basic set up and operation of Hydraulic Scaffolding.

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

1. Health effects-Lecture
2. Work area sampling-Lecture
3. Hazard Communication Regulations
4. Personal Protection-Lecture & Hands on
5. Remediation techniques-Lecture & Hands on
6. Decontamination-Lecture & Hands on

Part B. Introduction to Confined Spaces-Lecture

1. Hazard Recognition-Lecture
2. Health effects-Lecture
3. Atmospheric Monitoring-Lecture & Hands on
4. Entry Permit-Lecture & simulated confined space entry
5. Controlling Atmospheric hazards-Lecture
6. 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. Squaring principles and layout
2. Basic survey procedures
3. Referencing and staking
4. Instruments
5. String line exercises
6. Slope staking (eye levels)
7. Laser operator training & safety

Welding, Arc, Oxy-Acetylene Cutting (40 Hours)

1. Setting up the equipment
2. Fire Prevention & Control
3. Oxy-Acetylene cutting
4. Petrogen
5. Burning Bar (lance)
6. Welding machine & accessories
7. Fundamental welding positions flat string bead, butt weld, lap weld, tee fillet & multiple pass fillet