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. Sub grade for Concrete
3. Concrete Forming
4. Forming Curb & Gutter
5. Pouring Curb & Gutter
6. Concrete Pouring & Finishing
7. Specialized Hand Tools

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
7. Pouring & Finishing Stencil Crete

Cutting/Burning/Welding (40 Hours)
1. Oxy-Acetylene cutting
2. Burning bar (lance)
3. Fire prevention & control
4. Petrogen
5. Setting up equipment
6. Welding machine & accessories
7. Fundamental welding positions flat String bead, butt weld, lap weld, tee Fillet & multiple pass fillet

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. Safety on Scaffold
2. Tools & material recognition
3. Power tools & Chain Saws
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

Hoisting & Rigging (40 Hours)
1. Hoisting & Rigging & Crane Safety
2. Basic Math for Hoisting & Rigging
3. Rigging Hardware & Slings
4. Signaling
5. OSHA Qualifications Requirement for Hoisting-Rigging & Signaling

Hydro-Mobile Scaffolding (40 Hours)
1. Forklift Operation Safety (Part One)
2. Scaffold Orientation Safety
3. Basic set up and operations of Hydraulic Scaffolding.

Instrument Orientation (40 Hours)
1. Basic Math Conversions
2. Basic Survey Procedures
3. Laser Operator Training & Safety
4. Instruments

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
6. Tube & Clamp
7. Circular Scaffold
8. Free Standing Tower
9. Safety & Operations of a Brick Saw

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. 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
8. Basic Math Pre Test