

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

Decorative Concrete (40 Hours)

1. Specialty Finishes
2. Exposing aggregate in concrete
3. Colored concrete finishing techniques
4. Stenciling
5. Stamping
6. Factors affecting stained concrete
7. Spray to finish
8. Decorative finishes – Hands on

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

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

Hazardous Waste Worker Training (40 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 & 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 operations of Hydraulic Scaffolding

Infection Control Risk Assessment (ICRA),GHS Hazard Com. (40 Hours)

1. Introduction to infection control & the hospital environment
2. Methods & processes to prevent the spread of infections during the renovation, demolition and construction of health care facilities
3. Ventilation & environmental controls
4. Construction of infection control barriers and enclosure areas
5. Contamination control
6. Dust and debris control
7. GHS Hazard Communication

Instrument Orientation (40 Hours)

1. Basic Math Conversions
2. Basic Survey Procedures
3. Laser Operator Training & Safety
4. Instruments

Mason Tending II (80 Hours)

1. Rough Terrain Forklift
2. Scaffold User Safety
3. Scaffold tools & PPE
4. Frame Scaffold
5. Tube & Clamp Scaffold
6. System Scaffold
7. Scaffold Builder
8. Mason Tenders duties
9. Safety & Health
10. Stocking masonry material
11. Estimating material
12. Mortar, admixtures & grout
13. Masonry saw
14. Reinforced masonry
15. Effects of weather on masonry
16. Cleaning masonry
17. Bracing masonry walls
18. Plaster tending & mixing

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. Silica Standards
4. Traffic Control (Certified Flagger)

OSHA Construction Safety (30 Hours)

1. Dept. of Labor, OSHA 30 hr. Construction Safety Course.

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. Heavy Commercial Construction
- ## Print Reading-Highway & Bridge (40 Hours)
1. Highway & bridge plan reading as designed by the State Highway Commission

Scaffold Builder (40 Hours)

1. Scaffold User Safety
2. Scaffold Building Tools and Personal Protective Equipment (PPE)
3. Building Frame Scaffold
4. Tube and Clamp Scaffold
5. System Scaffold

Total Station Fundamentals (40 Hours)

1. Total Station Components
2. Proper care of Total Station
3. Setting up Total Station over a point
4. Total Station Operation
5. Measuring Horizontal Angles
6. Measuring horizontal distances
7. Right angle layout
8. Staking out a square
9. Building layout by coordinates
10. Staking out a building

Work Zone Sup. Training. (40 Hours) (MUST HAVE AT LEAST 4000 HOURS OF DOCUMENTED ROAD WORK EXPERIENCE WITH AT LEAST 500 OF THOSE HOURS BEING IN TEMPORARY TRAFFIC CONTROL)

1. Certified Flagger
2. Traffic Control
3. Plan Reading
4. Typical Diagrams
5. Pedestrian & Understanding the driver
6. Legal Aspects
7. MUTCD