COMPREHENSIVE JOB SKILL TRAINING CLASSES
Bedford site

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

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. Hazard communication course

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, power trowel, concrete

Mason Tending (80 Hours)
1. Conventional & Morgen scaffolding
2. Techniques of hod carrying & mortar mixing
3. Estimating & tempering
4. Forklift operation

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
Controlling Atmospheric hazards-Lecture
Controlling Hazardous Energy-Lecture
Hands on Exercises-Mock Entry

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. Craft Orientation (8 hours)

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

chipper
10. Power screed, concrete saws

Cutting & Burning (40 Hours)
1. Oxy-Acetylene cutting
2. Burning bar (lance)
3. Fire prevention & control

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
2. Tools & material recognition
3. Power tools
4. Compaction
5. Rigging
6. Cutting & burning
7. Introductory Construction Math

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

Hydro-Mobile Scaffolding (40 Hours)
1. Forklift Safety
2. Scaffold Orientation Safety
3. Basic set up and operations of Hydraulic Scaffolding.
7. Sanitary sewer & storm drain systems
8. Dial-A-Grade & AGL (laser)

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)

****Transit Levels class will require that each trainee successfully complete (on day one) a Basic Math Pre-test in order to continue this course. Failure to do so will result in referral to the Basic Construction Math course.*

Welding, Arc & Oxy-Acetylene (40 Hours)
1. Setting up the equipment
2. Welding machine & accessories
3. Fundamental welding positions flat string
bead, butt weld, lap weld, tee fillet & multiple pass fillet
4. Fire Prevention & control