

COMPREHENSIVE JOB SKILL TRAINING CLASSES – BEDFORD

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

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

Infection Control Risk Assessment (ICRA), GHS Hazard Communication (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

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. GHS Hazard Communication Course
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