

Telephone Equipment Servicer & Installer (T2) 822.281.022

The following schedule of work experience is intended as a guide. It need not be followed in any particular sequence, and it is understood that some adjustments may be necessary in the hours allotted for different work experience. In all cases, the apprentice is to receive sufficient experience to become fully competent and use good workmanship in all processes which are a part of the trade. The apprentice will be fully instructed in safety and OSHA requirements. NOTE: Connecticut Occupational Licensing Regulations require a minimum number of O.J.T. years (*calendar time*) as expressed below.

- A. ORIENTATION AND SAFETY (50 Hours)
 - 1. Firm's Layout and Equipment
 - 2. Housekeeping, First Aid-Electric Shock Resuscitation
 - 3. Customer Relations, Appearance
 - 4. Knowledge of Power and Hand Tools

- B. INSTALLATION OF CABLE SUPPORT AND RACEWAY SYSTEMS (550 Hours)
 - 1. Cable Trays
 - 2. Ladder Racks
 - 3. J Hooks
 - 4. Bridle/D Rings
 - 5. Fiber Optic Innerduct
 - 6. Grounding and Bonding
 - 7. Metallic and Non-Metallic Surface Mounted Raceway

- C. INSTALLATION OF INFORMATION OUTLETS (550 Hours)
 - 1. Wall
 - 2. Floor
 - 3. Power Pole, Modular Furniture

- D. PULLING CABLE (1400 Hours)
 - 1. Horizontal UTP, Fiber Conduit or Open Ceiling
 - 2. Backbone UTP, Fiber in Riser-bottom or Top Down
 - 3. Demonstrate Knowledge of ANSI/TIA/EIS 568-A, 569, 606, 607 and NEC Codes
 - 4. Demonstrate Common Safety Practices
 - 5. Cellular Raceway/Floor Duct

- E. FIRE STOPPING (200 Hours)
 - 1. Core Firewalls
 - 2. Install Sleeves
 - 3. Pull Cable
 - 4. Firestop

F. PRETERMINATION AND TERMINATION (600 Hours)

1. Organize, Form, Dress Cable
2. Determine Length, Slack
3. Label Cables
4. Complete IDC Termination on Cross-Connect Block
5. Patch Panel
6. Termination and Splicing of Optical Fibers
7. Grounding and Bonding

G. CONNECTORS (200 Hours)

1. Assemble and Install 8 Pin Connectors (RJ45), Coaxial Connectors
2. Demonstrate Color Code

H. TESTING (300 Hours)

1. Use Tone Test Set, Voltohm Meter
2. Diagnose Open, Shorted, Crossed and Split Pairs
3. Active Circuits
4. Attenuation and OTDR Testing of Optical Fibers

I. RETROFITS (150 Hours)

1. Remove Abandoned Cables

TOTAL HOURS - 4000 Hours

RELATED INSTRUCTION HOURS/UNITS - 288

Minimum O.J.T. Years - 2

WAGE SCHEDULE "C"

0 - 1000	Hours	_____
1001 - 2000	Hours	_____
2001 - 3000	Hours	_____
3001 - 4000	Hours	_____
Journeyman Rate		_____