

OJT WORK PROCESS SCHEDULE (L)

INTERNET/NETWORKING (NETWORK) TECHNICIAN

O*NET#: DOT: #832.262-900 AIMS#:1038

<i>Description</i>	<i>Approximate Hours</i>
A. Data/Voice Installation Building code requirements and floor plan; cable wire installation using floor ducts, conduit, stud drilling and associated tools and equipment; cable and wire termination using industry material, equipment and color code; and basic electricity theory and print reading.	400
B. Computer, Installation, Maintenance and Troubleshooting Maintenance and installation of personal computers; maintenance and installation of PC OIS software installation of network PC's and software; installation of network hardware including modems and concentrators; and OS configuration and administration.	600
C. Installation and Maintenance of Internetworking Components, Switches and Routers Basic Internetworking instruction and familiarity: LAN devices, WAN devices, OSI model, and LAN Technologies; LAN introduction and familiarity: segmentation, full and half duplex, and Ethernet; TCP/IP protocol and addressing: DOD reference model, IP addressing and subnetting; basic router installation; router startup, user interface, designing internetworking, static, default and dynamic routing interior routing protocols, and exterior protocols; basic router configuration: sources of IOS Cisco software, Cisco IOS command, accessing other routers; basic wide area network instruction: plain old telephone, synchronous data-link control, high-level data-link control, dial-on-demand routing, X.25, frame relay, point-to-point and ISDN.	2,000
D. Advanced Internetworking Installation and Maintenance Installation, configuring, operating and troubleshooting complex LAN, routed WAN, and switched LAN networks and dial access service; understanding complex networks; provide access security to networks switched and routers; provide increased switching and routing bandwidth – end-to-end resiliency service; and provisioning custom queuing and routed priority services.	2,000
Total Hours	5,000