

# Cisco Networking Academy Program

Semesters 1 through 4

**Pascal BOIVEAU**

In a timed and monitored environment, administered by the undersigned instructor, the student demonstrated the following competencies in a TCP/IP based network using Ethernet LAN media:

- Built and tested a Category 5 UTP straight-through patch cable using the 568B pin-outs and console cable using rollover pin-outs
- Understood an IP addressing and subnet masking scheme for a Class B network with multiple subnetworks and properly applies this scheme to all router interfaces (Telnet)lines
- Configured routers for login and enabled passwords for console and VTY (Telnet) lines
- Physically connected Layer 1 and 2 devices to router Ethernet interfaces
- Configured router Ethernet interfaces for IP implementation
- Configured a workstation for TCP/IP communications and physically connected the workstation to an Ethernet router interface showing full connectivity to the router interface
- Physically connected router serial interfaces in a back-to-back lab configuration using a DCE/DTE cable combination
- Configured router serial interfaces, using PPP encapsulation
- Configured routers to route IP traffic using the IGRP distance vector routing protocol
- Designed and applied IP Access Control Lists for network security
- Monitored and troubleshoot network traffic using ping, Telnet, trace route, CDP neighbors and debug commands
- Troubleshoot router configuration and physical connectivity problems, including password recovery

Date: 07/12/2002

Academy Name: AFPA ANGERS

Instructor: Coullouette, Gilbert

Academy Location: Angers, FRA

Certificate#: 200495-577754-830570

