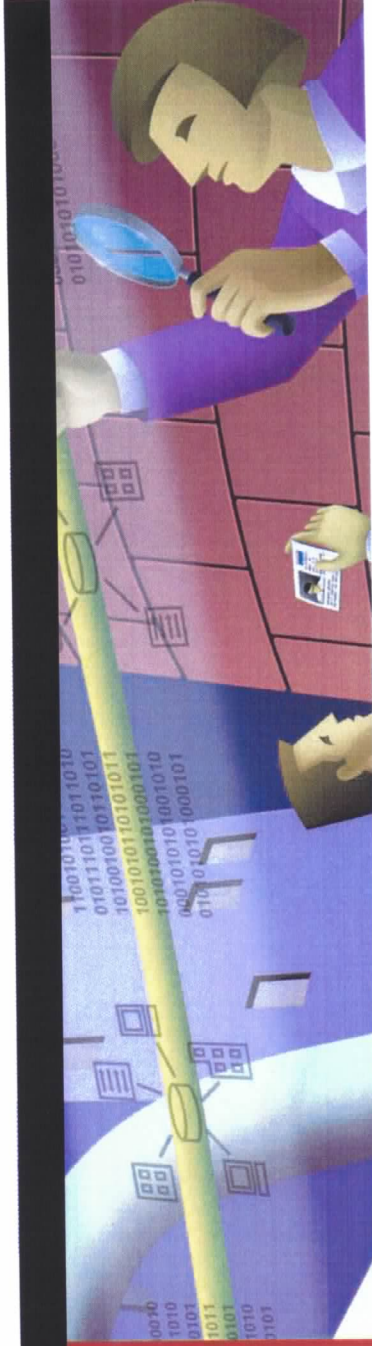


Certificate of Course Completion

CCNA 1 Networking Basics



Ronny Chiliński

Date : July 28, 2004
Instructor : Lochner, Alois
Location : Hassfurt
Academy Name : Staatliche
Berufsschule -
Heinrich-Thein-Sch
ule - Hassfurt



Instructor's Signature

During the Networking Basics course, administered by the undersigned instructor, the student demonstrated the following competencies:

- Be able to identify and describe IP Address Classes.
 - Proficient in using the binary number system.
 - Proficient in IP address subnetting techniques.
 - Proficient in the use of the three basic Boolean functions (AND, OR, NOR).
 - Be able to describe the purpose of the OSI Model and the functions of each layer.
 - Be able to describe the process of data encapsulation
 - Be able to make a patch cable.
 - Proficient in detailing the specifications of networking media (copper, fiber, wireless).
 - Be able to describe and apply CAT 5 cabling standards.
 - Be proficient in the use of a cable tester.
- Proficient in planning, designing, and installing work group and peer-to-peer LANs.
 - Be able to describe the purpose of the TCP/IP Protocol Stack (DoD Model) and the functions of each layer.
 - Be able to identify which layer of the OSI Model specific TCP/IP protocols reside.
 - Be able to compare and contrast the OSI Model and TCP/IP Protocol Stack.
 - Proficient in detailing the specifications of Ethernet.
 - Be able to identify and describe Ethernet families (10BaseT, Fast Ethernet).
 - Be able to describe the function of MAC addresses.