

CISCO NETWORK ASSOCIATE

DIPLOMA PROGRAM

Quarter Credit Hours Required = 48

Virginia College's Cisco Network Associate program is an advanced diploma program that prepares students for a technical career working with networks and Cisco routers. The program is designed to provide learning experiences that prepare graduates with a solid background of practical, hands-on training directly related to the design and troubleshooting of network installations. The program provides an advanced understanding of the concepts related to local and wide networks, as well as the ability to troubleshoot a wide variety of problems that occur on those networks. Students will learn to operate, install, configure, troubleshoot, upgrade, and maintain microcomputers. They will also gain significant experience in configuring, subnetting, and troubleshooting Cisco routers and switches. Students will obtain the skills necessary to provide high-end, solution-based technical support for a variety of inter- and intra-network situations.

Upon successful completion of this program, students should be able to

- prepare for the A+, Network+, Security+, and CCNA certification examinations;
- connect local networks to the Internet using WAN protocols and configurations;
- install, configure, troubleshoot, upgrade, and repair PC systems;
- design, install, and maintain routers in LAN and WAN situations;
- use advanced network management tools such as Fluke's Network Inspector;
- implement network designs according to EIA/TIA standards; and
- coordinate a successful job search.

	Quarter Credit Hours
EDU 1010 Learning Framework	4
EDU 1020 Career Exploration/Planning	4
NET 1010 Operating Systems, Security, and Network Essentials.....	4
NET 1020 PC Components and Professionalism	4
NET 1030 I.T. Technician.....	4
NET 1040 I.T. Administrator.....	4
NET 1100 Networking Foundations	4
NET 1130 Network Technician.....	8
NET 2275 Cisco Network Technician.....	12
TOTAL MINIMUM QUARTER CREDIT HOURS REQUIRED	48