



CURRICULUM GUIDE 2012-2013

CISCO NETWORK PROFESSIONAL

Associate in Science in Cisco Network Professional and Certificate of Achievement in Cisco Network Professional

The Cisco Network Professional program is designed for professionals who work with traditional Cisco technology-based networks in which LAN and WAN routers and LAN switches predominate. They are involved in network design, configuration, and installation. Configuration techniques increase bandwidth, improve response times, enhance reliability and quality of service (QoS), maximize performance, and improve network security.

Requirements for Associate in Science Degree:

- a) Complete Major Field and Supporting Courses with a grade of C or better.
- b) Complete Plan A, B, or C General Education requirements. These requirements are specified in the Ohlone College catalog.
- c) Complete at least 60 degree-applicable units with a 2.0 grade point average.
- d) Complete at least 12 units at Ohlone College.

Requirements for Certificate of Achievement:

- a) Complete Major Field courses as indicated below.
- b) Complete at least six units at Ohlone College.
- c) Maintain a 2.0 grade point average in Major Field courses.

Student Learning Outcomes

1. Demonstrate confidence to work independently to setup, configure, and maintain a Cisco centric network; stand-alone or network application; and a network system.
2. Demonstrate techniques to troubleshoot situations that impact a Cisco centric network; stand-alone or network application; and a network system.
3. Demonstrate oral and written communication skills.

MAJOR FIELD

| | | |
|-----------|---|------------|
| CNET-155A | Network Fundamentals | 4 |
| CNET-155B | Routing Protocols and Concepts | 4 |
| CNET-156A | LAN Switching and Wireless | 2 |
| CNET-156B | WAN Design and Support | 2 |
| CNET-182 | Advanced Routing (CCNP ROUTE) | 3 |
| CNET-184 | Advanced Switching (CCNP SWITCH) | 3 |
| CNET-186 | Troubleshooting IP Networks (CCNP TSHOOT) | 3 |
| ENGL-156 | Introduction to Report and Technical Writing OR | 3 |
| SPCH-115 | Career Communication | <u>(3)</u> |
| | | 24 |

SUPPORTING COURSES

Choose 1-4 units from the following: 1-4
CNET-195A1-4 Internship

Choose 2-4 units from the following: 2-4
CNET-108 IT Project Management 3
CNET-120 VMware: Install, Configure, Manage 2
CNET-146 Introduction to UNIX/Linux 3
CNET-150 Network Operating Systems 4
CNET-158 Wireless Networks 4
CNET-162 Windows Network Infrastructure Administration 2
CNET-170 Network Security 4
CNET-180 IP Telephony and VoIP Implementation 2

Total Required Units 27-32