

NORTHWEST VISTA COLLEGE
ADVANCED CISCO NETWORKING TECHNOLOGIES
 ASSOCIATE OF APPLIED SCIENCE DEGREE PLAN
2009-2010 Catalog



The Advanced Cisco Networking Technologies program will prepare students to obtain their Cisco Certified Networking Associate (CCNA) and Cisco Certified Networking Professional (CCNP) certifications. Students will develop the knowledge and skills to design and put in place a network infrastructure with an understanding of IP Address management, conservation of bandwidth, and security. Students will focus their studies on the use of various interior and exterior gateway routing protocols; router security; and the Cisco firewall administration. The program will also prepare students to obtain the first two levels of the Cisco Certified Security Professional (CSSP) certification. The Associates of Applied Science degree is recommended for students who wish to eventually pursue a Baccalaureate degree or a management position in industry. The academic courses included in the A.A.S. degree will transfer on to Baccalaureate institutions and provide a broader training for industry.

Student: _____ Date: _____
LAST NAME FIRST NAME MI

Student ID # (SSN): _____ Academic Advisor: _____

Semester I	HOURS
__CPMT 1305 IT Essentials I: PC Hardware & Software	3
__ENGL 1301 Composition I	3
__ITCC 1401 Cisco Exploration 1 – Network Fundamentals	4
__ITCC 1404 Cisco Exploration 2 – Routing Protocols and Concepts	4
__MATH 1314 College Algebra	3
Total	17

Semester II	HOURS
__ECON 2301 Principles of Macroeconomics	3
__ITCC 2408 Cisco Exploration 3 – LAN Switching & Wireless	4
__ITCC 2410 Cisco Exploration 4 – Accessing the WAN	4
__PHIL 2306 Introduction to Ethics	3
__SPCH 1321 Business & Professional Communication	3
Total	17

Semester III	HOURS
__ITCC 2450 CCNP 1: Building Scalable Internetworks	4
__ITCC 2451 CCNP 2: Implementing Secure Converged Wide-Area Networks	4
__ITNW 1449 Cisco Fundamentals of Network Security	4
__ITNW 1451 Fundamentals of Wireless LANs	4
Total	16

Semester IV	HOURS
__ITCC 1408 Introduction to Voice over Internet Protocol (VoIP)	4
__ITCC 2452 CCNP 3: Building Multilayer Switched Networks	4
__ITCC 2453 CCNP 4: Optimizing Converged Networks	4
Total	12

Semester V	HOURS
__ITNW 2164 Practicum (<i>or Field Experience</i>): Computer Systems Networking & Telecommunications	1
Total	1

*NOTES: A course may be used only once to fulfill degree requirements.
 A grade of C or higher is required for all prerequisite and technical courses.
 While a grade of D or higher will satisfy NVC degree requirements for non-prerequisite courses, most institutions require a grade of C or higher in order for a course to be considered for transfer.
 Check with the transfer institution to ensure that the courses taken at NVC will apply to the appropriate degree program.
 Select courses from the Core Curriculum selection list when specific courses are not listed.

Transfer coursework is *unofficial* until all official transcripts are evaluated and posted.