

Associate of Applied Science Degree Engineering Technologies

Network Infrastructure Engineering Technology

Network Infrastructure Security Concentration (9438)

First Semester:

ENGL 1110*.....*English Composition I (A)*3

OR

ENGL 1111.....*English Composition I (B)*

ITIS 1030.....*Security Awareness*1

SPCH 1050**.....*Fundamentals of Public Speaking*2

OR

SPCH 1150.....*Fundamentals of Interpersonal Communication*

Choose course(s) from the Social and Behavioral Sciences Electives list...3

(1st 8 weeks)

CNET 1100.....*Cisco Networking Technology I*2

MECT 1000.....*Introduction to Technology*2

(2nd 8 weeks)

CNET 1200.....*Cisco Networking Technology II*2

ITON 1011.....*Comparative Analysis of Microcomputer
Operating Systems*2

17

Second Semester:

ENGL 1121.....*English Composition II - Technical Focus*3

ITIS 1355.....*Security+ and Security Essentials*3

Choose course(s) from the Arts and Humanities Electives list.....3

(1st 8 weeks)

CNET 1300.....*Cisco Networking Technology III*2

ITON 2030.....*Windows Vista Configuration*2

(2nd 8 weeks)

CNET 1400.....*Cisco Networking Technology IV*2

ITON 2234.....*Windows Server 2008 Network
Infrastructure Configuration*2

ITON 2236.....*Windows Server 2008 Active Directory
Configuration*2

19

Third Semester:

CNET 2720.....*Cisco Network Security I: Managing Security*4

ITIS 2355.....*Security Investigation and Penetration Studies*3

MATH 1650.....*College Algebra*4

(1st 8 weeks)

ITON 1725.....*Introduction to the Linux/Unix Operating System* ...2

ITON 2237.....*Windows Server 2008 Applications
Infrastructure Configuration*2

(2nd 8 weeks)

ITON 1730.....*Implementing and Administering Linux*2

ITON 2238.....*Windows Server 2008 Server Administrator*2

OR

ITON 2239.....*Windows Server 2008 Enterprise Administrator*

19

Fourth Semester:

CNET 2740.....*Cisco Network Security II: Advanced Firewalls*3

ITIS 2365.....*Network and Security Design*3

ITON 2760.....*Linux/Unix Security*2

MATH 1550.....*Statistics*4

PHYS 1610.....*General Physics I*5

17

Program Total: 72

**English course selection is based on placement test results (ENGL 1111 is 4 credits, only 3 credits apply to the degree).*

***Students may substitute either SPCH 1000 or SPCH 1100. One of these 3 credit courses may be required for students transferring to a four-year college.*

Arts and Humanities Electives: minimum 3 credits

ARTS 1120, 2220, 2230, 2240; ENGL 2250, 2260, 2280, 2290; HUMX 1100, 1200; MUSC 1200, 2200, 2250; PHIL 1500, 2000

Social and Behavioral Sciences Electives: minimum 3 credits

ANTH 1160; ECON 1150, 2500, 2600; GEOG 1500, 1600, 2500; HIST 1100, 1200, 2100, 2200, 2400; POLS 1300, 2500; PSYC 1500; SOCY 1150