

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

ENGR 1000.....Introduction to Engineering Technology.....2

(2nd 8 weeks)

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

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

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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

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Third Semester:

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

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

ITON 1746.....Red Hat Academy System Administration I.....3

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

(1st 8 weeks)

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

(2nd 8 weeks)

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

OR

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

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Fourth Semester:

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

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

ITON 2776.....Red Hat Academy System Administration III.....2

MATH 1550.....Statistics.....4

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

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Program Total: 71

**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; ENGL 2250, 2260, 2280, 2290; HUMX 1100, 1200; MUSC 1200, 1215, 1800, 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