

# Associate of Applied Science Degree Engineering Technologies

## Network Infrastructure Engineering Technology

### Microsoft Network Infrastructure Concentration (9427)

#### First Semester:

ELEC 1100	Direct Current Circuit Analysis	3
<b>ENGL 1110*</b>	<b>English Composition I (A)</b>	3
<b>OR</b>		
<b>ENGL 1111</b>	<b>English Composition I (B)</b>	
MATH 1101	Technical Mathematics I	4
PHYS 1100	Applied Physics I	3
<b>(1st 8 weeks)</b>		
ENGR 1000	Introduction to Engineering Technology	2
<b>(2nd 8 weeks)</b>		
ITON 1030	Using Microsoft Windows Vista	1
ITON 1205	Network+ and Networking Essentials	2

18

#### Second Semester:

CPET 2550	Telecommunications Principles	2
ELEC 1320	Digital Systems Fundamentals	3
ENGL 1121	English Composition II - Technical Focus	3
PHYS 1200	Applied Physics II	3
<b>(1st 8 weeks)</b>		
ITON 2030	Windows Vista Configuration	2
<b>(2nd 8 weeks)</b>		
ITON 2234	Windows Server 2008 Network Infrastructure Configuration	2
ITON 2236	Windows Server 2008 Active Directory Configuration	2

17

#### Third Semester:

CPET 1120	C Programming for Engineering Technology	3
CPET 1200	Visual Basic for Engineering Technology I	2
MATH 1201	Technical Mathematics II	4
<b>(1st 8 weeks)</b>		
CNET 1100	Cisco Networking Technology I	2
ITIS 1030	Security Awareness	1
ITON 2237	Windows Server 2008 Applications Infrastructure Configuration	2
<b>(2nd 8 weeks)</b>		
CNET 1200	Cisco Networking Technology II	2
<b>ITON 2238</b>	<b>Windows Server 2008 Server Administrator</b>	2
<b>OR</b>		
<b>ITON 2239</b>	<b>Windows Server 2008 Enterprise Administrator</b>	

18

#### Fourth Semester:

ELEC 2400	Microcontroller Applications	3	
ITIS 1355	Security+ and Security Essentials	3	
<b>SPCH 1050**</b>	<b>Fundamentals of Public Speaking</b>	2	
<b>OR</b>			
<b>SPCH 1150</b>	<b>Fundamentals of Interpersonal Communication</b>		
Choose course(s) from the Arts and Humanities Electives list			3
Choose course(s) from the Social and Behavioral Sciences Electives list			3
<b>(1st 8 weeks)</b>			
CNET 1300	Cisco Networking Technology III	2	
<b>(2nd 8 weeks)</b>			
CNET 1400	Cisco Networking Technology IV	2	

18

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, 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