BELLEVUE COLLEGE

Network Services & Computing Systems
Associate in Applied Science-T Degree

STUDENT NAME		SID #	
PROGRAM CHAIR		DATE	

PROGRAM REQUIREMENTS			Requested Substitution/Transfer Credits (if applicable)			Completed		
Course	Course Title	CR	College/University	Course	CR	Grade	Quarter	Year
CORE COURSEWORK								
BUS& 101	Introduction to Business	5						
CMST 250	Communication in a Diverse Workplace	5						
ENGL& 101	English Composition I	5						
ENGL& 235	Technical Writing	5						
IT 128	Information Security Essentials	5						
MATH 138	College Algebra for Business & Social Science	5						
NSCOM 201	Cisco Networking I	5						
NSCOM 202	Cisco Networking II	5						
PHYS 109	Science for Information Technology	6						
TECH 215	PC Analysis & Configuration I	5						
TECH 217	PC Analysis & Configuration II	5						
TECH 223	Using and Supporting Linux	5						
TOTAL		**61**						

CHOOSE ONE TRACK FROM THE FOLLOWING:

CLOUD ARCHITECTURE AND SERVICES TRACK								
IT 270	IT Experiential Learning Capstone	2						
NSCOM 221	Implementing Server Operating Systems	5						
NSCOM 223	Managing a Network Environment	5						
NSCOM 227	Implementing Directory Services	5						
NSCOM 231	Introduction to Cloud Architecture and Services	5						
NSCOM 235	Cloud Infrastructure	5						
NSCOM 240	Cloud Services	5						
TOTAL		**32**						
OPERATING SYSTEM ADMINISTRATION TRACK								
IT 270	IT Experiential Learning Capstone	1						
NSCOM 220	Implementing Client Operating Systems	5						
NSCOM 221	Implementing Server Operating Systems	5						
NSCOM 223	Managing a Network Environment	5						
NSCOM 227	Implementing Directory Services	5						
TECH 293*	Tech Support Internship I	4						
TECH 294*	Tech Support Internship II	4						
May substitute TECH 289 for TECH 293 and TECH 294 with advisor's permission								
TOTAL		**29**						
NETWORK ADMINISTRATION TRACK								
IT 270	IT Experiential Learning Capstone	2						
NSCOM 203	Cisco Networking III	5						
NSCOM 204	Cisco Networking IV	5						
NSCOM 220	Implementing Client Operating Systems	5						
NSCOM 221	Implementing Server Operating Systems	5						
NSCOM 223	Managing a Network Environment	5						
NSCOM 227	Implementing Directory Services	5						
TOTAL		**32**						
GRAND TOTAL		**90-93**						

The Network Services and Computing Systems Associate in Applied Science-Transfer degree addresses how to connect computers and other resources in a network, perform network maintenance tasks, and install and configure hardware and software in microcomputers. In addition to technical content, the degree includes skills in communication (oral, written, and listening), general business, teamwork, and problem solving.

LEARNING OUTCOMES

Degree recipients should possess the skills & abilities described below:

- Write, speak and listen effectively
- Apply critical thinking and logical research to technological problems in area of concentration
- Explain fundamental networking theory, terminology, and industry recognized standards

FOR MOST UP-TO-DATE INFORMATION, GO TO:

www.bellevuecollege.edu/programs/degrees/proftech/ nscom/#nscomaast

CLOUD ARCHITECTURE AND SERVICES TRACK

- Describe the benefits and challenges of cloud architecture and the available services
- Deploy, manage, and migrate virtual machines, storage solutions and the associated services
- Deploy, manage and configure SaaS (Software as a Service), PaaS (Platform as a Service), IaaS (Infrastructure as a Service) and SaaS (Storage as a Service) solutions

OPERATING SYSTEM ADMINISTRATION TRACK

- Explain the function of and configure various services to support an enterprise network infrastructure
- Compare and contrast the different operating systems and their features
- Define the functions of client/customer service personnel and analyze how these functions contribute to the development of long-term relationships with clients, customers and suppliers

NETWORK ADMINISTRATION TRACK

- Explain the theory and benefits of various technologies employed in Internetworks

- Perform simple hardware and software configuration on a switch and a router
- Explain the function of and configure various services to support an enterprise network infrastructure
- Administer an organization's computer network infrastructure including servers, workstations, printers, and routers and other Internetworking devices
- Monitor network performance, troubleshoot network problems

NOTES

CULTURAL DIVERSITY REQUIREMENT (CDR)

Below is a complete listing of all the courses that meet the college's Cultural Diversity requirements for the Associate Transfer Degrees. Classes will be applied toward either the Humanities, Social Science, Natural Sciences or electives.

Transferable Courses:

- ***Anthropology*** 100, 104, 106, 108, 117, 180, 200, 206, 208, 209, 210, 211, 212, 214, 219, 220, 222, 224, 235, 260, 265;
- ***Art*** 103
- ***Cultural and Ethnic Studies*** 100, 101, 106, 109, 120, 121, 130, 140, 152, 180, 200, 201, 203, 205, 210, 241, 257;
- ***Communication Studies*** 134, 250, 280
- ***French*** 131, 132, 133, 231, 232, 233

- ***Geography*** 123, 200, 277
- ***History*** 185, 246
- ***International Studies*** 123
- ***Music*** 117
- ***Philosophy*** 102, 145, 265
- ***Psychology*** 250
- ***Sociology*** 101, 120, 121, 122, 201, 205, 210, 215, 222, 230, 248, 249, 253, 254, 257, 260, 262, 264, 267, 268, 275

Restrictive Electives:

- ***Allied Health*** 140
- ***Business*** 120, 241
- ***Criminal Justice*** 242
- ***Education*** 150, 240, 286
- ***Human Development*** 140
- ***Marketing Management*** 200
- ***Nursing*** 290

For more information, go to: *www.bellevuecollege.edu/programs/degrees/culturaldiversity/*