

<b>STUDENT NAME</b>		<b>SID #</b>	
<b>PROGRAM CHAIR</b>		<b>DATE</b>	

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

**CHOOSE ONE TRACK FROM THE FOLLOWING:**
**CLOUD ARCHITECTURE AND SERVICES TRACK**

<b>IT 270</b>	IT Experiential Learning Capstone	2						
<b>NSCOM 221</b>	Implementing Server Operating Systems	5						
<b>NSCOM 223</b>	Managing a Network Environment	5						
<b>NSCOM 227</b>	Implementing Directory Services	5						
<b>NSCOM 231</b>	Introduction to Cloud Architecture and Services	5						
<b>NSCOM 235</b>	Cloud Infrastructure	5						
<b>NSCOM 240</b>	Cloud Services	5						
<b>TOTAL</b>		32						

**OPERATING SYSTEM ADMINISTRATION TRACK**

<b>IT 270</b>	IT Experiential Learning Capstone	1						
<b>NSCOM 220</b>	Implementing Client Operating Systems	5						
<b>NSCOM 221</b>	Implementing Server Operating Systems	5						
<b>NSCOM 223</b>	Managing a Network Environment	5						
<b>NSCOM 227</b>	Implementing Directory Services	5						
<b>TECH 293*</b>	Tech Support Internship I	4						
<b>TECH 294*</b>	Tech Support Internship II	4						

\*May substitute TECH 289 for TECH 293 and TECH 294 with advisor's permission

<b>TOTAL</b>		29						
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**NETWORK ADMINISTRATION TRACK**

<b>IT 270</b>	IT Experiential Learning Capstone	2						
<b>NSCOM 203</b>	Cisco Networking III	5						
<b>NSCOM 204</b>	Cisco Networking IV	5						
<b>NSCOM 220</b>	Implementing Client Operating Systems	5						
<b>NSCOM 221</b>	Implementing Server Operating Systems	5						
<b>NSCOM 223</b>	Managing a Network Environment	5						
<b>NSCOM 227</b>	Implementing Directory Services	5						

<b>TOTAL</b>		32						
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<b>GRAND TOTAL</b>		90-93						
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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](http://www.bellevuecollege.edu/programs/degrees/proftech/nscom/#nscomaast)

#### LOUD 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

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### DIVERSITY DEGREE REQUIREMENT (DDR)

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

#### Transferable Courses:

- **Anthropology** 100, 108, 180, 206, 208, 219, 220, 222, 224, 235;
- **Cultural and Ethnic Studies** 100, 101, 109, 180, 200, 234, 257;
- **Communication Studies** 250, 280;
- **Philosophy** 102, 260, 265;
- **Psychology** 250
- **Sociology** 101, 105, 249, 253, 254, 256, 258, 262, 264, 278;

#### Restrictive Electives:

- **Business** 120;
- **Criminal Justice** 242;
- **Education** 150, 240;
- **Human Development** 140;
- **Marketing Management** 200.

*For more information, go to:* [www.bellevuecollege.edu/programs/degrees/culturaldiversity/](http://www.bellevuecollege.edu/programs/degrees/culturaldiversity/)