

STUDENT NAME		SID #	
PROGRAM CHAIR		DATE	

PROGRAM REQUIREMENTS			Requested Substitution/Transfer Credits (if applicable)					
Course	Course Title	CR	College/University	Course	CR	Grade	Quarter	Year

CORE COURSEWORK								
BUS& 101	Introduction to Business	5						
CMST& 230	Small Group Communication	5						
ENGL& 101	English Composition I	5						
ENGL& 235	Technical Writing	5						
IT 101	Introduction to Information Technology	5						
NSCOM 201	Cisco Networking	5						
PHYS 109	Science for Information Technology	6						
TECH 215	PC Analysis & Configuration I	5						
TECH 217	PC Analysis & Configuration II	5						
<i>Choose 5 credits from the following:</i>		5						
CES 180	American Life & Culture (5 Cr)							
ANTH 180	American Life & Culture (5 Cr)							
<i>Choose 5 credits from the following:</i>		5						
MATH 138	College Algebra for Business & Social Science (5 Cr)							
PROG 110	Introduction to Programming (5 Cr)							
NOTE: Preparation for EWU Bachelor of Science in Technology requires MATH 138.								
TOTAL		56						

CHOOSE ONE TRACK FROM THE FOLLOWING:								
CLOUD ARCHITECTURE AND SERVICES TRACK								
IT 270	IT Experiential Learning Capstone	2						
NSCOM 202	Cisco Networking II	5						
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		37						

OPERATING SYSTEM ADMINISTRATION TRACK								
BTS 144	Personal Information Manager	3						
IT 270	IT Experiential Learning Capstone	1						
NSCOM 202	Cisco Networking II	5						
NSCOM 220	Implementing Client Operating Systems	5						
NSCOM 221	Implementing Server Operating Systems	5						
NSCOM 223	Managing a Network Environment	5						
TECH 223	Using and Supporting Linux	5						
TECH 293*	Tech Support Internship I	4						
TECH 294*	Tech Support Internship II	4						
TOTAL		37						

NETWORK ADMINISTRATION TRACK								
IT 270	IT Experiential Learning Capstone	2						
NSCOM 202	Cisco Networking II	5						
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						

PROGRAM REQUIREMENTS			Requested Substitution/Transfer Credits (if applicable)					
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NSCOM 223	Managing a Network Environment	5						
NSCOM 227	Implementing Directory Services	5						
TOTAL		37						
GRAND TOTAL		93						

**May substitute TECH 289 Evaluation of Work Experience (4 Cr) for TECH 293 and TECH 294 with advisor permission.*

The Network Services and Computing Systems Associate in Arts 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 following skills and abilities in addition to those specific to each track:

- Write, speak and listen effectively
- Apply critical thinking and logical research to technological problems in area of concentration
- Administer an organization's computer network infrastructure including servers, workstations, printers, and routers and other Internetworking devices
- Monitor network performance, troubleshoot network problems
- Explain fundamental networking theory, terminology, and industry recognized standards

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

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

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

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