

Microsoft Network Operations

Certificate in Applied Science

Credit Requirements: 27 Semester Credit Hours

This program prepares you for computer network operations specialist jobs. It is ideal if you are employed or are pursuing employment in a business that uses the Microsoft Windows Server operating system in a LAN and/or WAN environment. This program is designed to prepare you for Microsoft Certifications Exams.

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test.

Recommended Sequence of Courses

First Semester

CPT 102	Basic Computer Concepts	3
IST 161	Introduction to Network Administration	3
IST 220	Data Communications	3
		Total 9

Second Semester

IST 163	Internet Server Network Configuration	3
IST 165	Implementing and Administering Windows Directory Services	3
IST 166	Network Fundamentals	3
		Total 9

Third Semester

IST 164	Implementing Windows Network Infrastructure Services	3
IST 259	Electronic Messaging	3
IST 263	Designing Windows Network Security	3
		Total 9

Mobile Application Programming

Certificate in Applied Science

Credit Requirements: 21 Semester Credit Hours

The Mobile Application Programming Certificate will provide students with the skills necessary to understand and develop computer programs for today's mobile phones. Students will be prepared for entry-level employment in mobile phone programming and in related fields. The focus of the

program will be the development of software for the Android mobile phone.

Recommended Sequence of Courses

First Semester

CPT 102	Basic Computer Concepts	3
CPT 232	C++ Programming I	3
		Total 6

Second Semester

CPT 172	Microcomputer Database	3
CPT 233	C++ Programming II	3
		Total 6

Third Semester

CPT 236	Introduction to Java Programming	3
IST 220	Data Communications	3
		Total 6

Fourth Semester

IST 235	Handheld Computer Programming	3
		Total 3

Network Security

Certificate in Applied Science

Credit Requirements: 24 Semester Credit Hours

This program is designed for individuals who have experience or training in network operations. This program prepares you for network security specialist jobs. It is ideal if you are employed or are pursuing employment in a business that uses a LAN and WAN environment to accomplish its business objectives. This program presents the knowledge and skills needed to use the Internet as a secure link between corporate and partner LANs. It is designed to help you prepare for a number of certification examinations including CompTIA: Security+ and Microsoft: Designing Security for a Microsoft Windows Network.

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test.

Recommended Sequence of Courses

First Semester

CPT 102	Basic Computer Concepts	3
IST 220	Data Communications	3
		Total 6

Second Semester

CPT 282	Information Systems Security	3	
IST 161	Introduction to Network Administration	3	
IST 166	Network Fundamentals	3	
			Total 9

Third Semester

IST 190	Linux Essentials	3	
IST 293	IT and Data Assurance I	3	
IST 294	IT and Data Assurance II	3	
			Total 9

Professional Accountancy

Certificate in Applied Science

Credit Requirements: 27 Semester Credit Hours

This certificate is designed for the nontraditional market not currently being served by the associate degree in accounting. For example, some individuals may need 24 or more accounting hours to advance in civil service or private business accounting positions.

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test. Additionally, you should be able to demonstrate proficiency in accounting principles.

Recommended Sequence of Courses

First Semester

ACC 201	Intermediate Accounting I	3	
ACC 124	Individual Tax Procedure	3	
ACC 265	Not-for-Profit Accounting	3	
			Total 9

Second Semester

ACC 202	Intermediate Accounting II	3	
ACC 221	Corporate Taxation	3	
ACC 260	Auditing	3	
			Total 9

Third Semester

ACC 203	Intermediate Accounting III	3	
ACC 226	Tax Audit and Research	3	
ACC 245	Accounting Applications	3	
			Total 9

Small Business/ Entrepreneurship

Certificate in Applied Science

Credit Requirements: 24 Semester Credit Hours

This certificate offers students the opportunity to focus on entrepreneurial aspects of business. Instructional topics include evaluation, planning, communication, supervision and business database management. The certificate also gives students the foundation to successfully venture into the 21st century in a small business environment.

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test.

Recommended Sequence of Courses

First Semester – Fall

BUS 112	Service Management Systems	3	
CPT 220	e-Commerce	3	
MGT 120	Small Business Management	3	
			Total 9

Second Semester – Spring

MGT 121	Small Business Operations	3	
MGT 210	Employee Selection and Retention	3	
MGT 250	Situational Supervision	3	
			Total 9

Third Semester – Summer

MKT 130	Customer Services Principles	3	
MKT 240	Advertising	3	
			Total 6

Transportation and Logistics

Certificate in Applied Science

Credit Requirements: 24 Semester Credit Hours

This certificate program provides students with an academic foundation in several areas: transportation, logistics, warehousing, export/import, shipping and commercial motor carrier. Students who complete this certificate have potential for employment as a dispatcher, operations specialist, and shipping and receiving and warehouse specialist. This certificate may be applied to the Transportation and Logistics career path.