Information Technology Associate of Science - Online

Degree Type
Associate of Science
Environment
online
Program Length
56 weeks
Overview
The Information Technology curriculum introduces you to concepts surrounding the virtualization of systems and networks as well as the emerging technologies used to handle and deliver media-rich information to individuals, businesses, and institutions around the globe. This program provides you with a comprehensive understanding of cloud architecture, the communication and storage of information, and how to manage systems through project plans and industry best practices. You will study computing architecture, information storage, and systems administration, and then implement these concepts through comprehensive, hands-on projects where you will design and build solutions in a collaborative environment modeled on real industry workflows. As a result, you will learn how to implement private, public, and hybrid clouds, how to securely interconnect and distribute information through various networks, and how to scale, administer, and manage systems.
Objective
Associate's Objective Today's information-technology professionals require a significant depth and breadth of both knowledge and skills to compete in the growing and dynamic field of cloud computing. In addition to gaining a foundational understanding of virtualizing systems, networks, and storage, you will understand how to create software-defined data centers that leverage this technology. The goal of the Information Technology Associate of Science degree program is to prepare you for this field by developing your ability to virtualize information via distributed networks and the cloud. Upon completion of this program, you will be prepared for entry-level positions as server administrators, network administrators, application-systems specialists, hardware technicians, technical trainers, and a variety of other positions in the entertainment, media, and information technology industries.

Month 1

Month 1

Code	Title	Credit Hours
GEN1011	Creative Presentation	3.0

Month 2

Month 2

Code	Title	Credit Hours
DEP1013	Psychology of Play	3.0

Month 3

Month 3

Code	Title	Credit Hours
TEM1001	Technology in the Entertainment and Media Industries	4.0

Month 4

Month 4

Code	Title	Credit Hours
ENC1101	English Composition I	4.0

Month 5

Month 5

Code	Title	Credit Hours
CTI1105	Computer Operating Systems	3.0

Month 6

Month 6

Code	Title	Credit Hours
CTI2006	Networking Technologies	3.0

Month 7

Month 7

Code	Title	Credit Hours
CTI1301	Virtual Computing	4.0

Month 8

Month 8

Code	Title	Credit Hours
ITE119	Project and Portfolio I: Information Technology	3.0

Month 9

Month 9

Code	Title	Credit Hours
CTI2111	System Scripting Fundamentals	3.0
CTI2318	Introduction to Information Security	3.0

Month 10

Month 10

Code	Title	Credit Hours
CTI3001	Introduction to Application Servers	4.0
PHY1020	Fundamentals of Physical Science	4.0

Month 11

Month 11

Code	Title	Credit Hours
ITE229	Project and Portfolio II: Information Technology	3.0
ITE1111	Professional Development Seminar I: Information Technology	1.0

Month 12

Month 12

Code	Title	Credit Hours
CTI2511	Cloud Networking	3.0
MGF1213	College Mathematics	4.0

Month 13

Month 13

Code	Title	Credit Hours
CTI2701	Configuration Management Programming	4.0

Month 14

Month 14

Code	Title	Credit Hours
ITE239	Project and Portfolio III: Information Technology	3.0
ITE2222	Professional Development Seminar II: Information Technology	1.0
	Total Credit Hours	**60**