

Information Technology Bachelor of Science

Degree Type

Bachelor of Science

Environment

online

Program Length

108 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

Bachelor'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 Bachelor of Science degree program is to prepare you for this field by developing your ability to virtualize information via distributed networks and the cloud. The mission of the Information Technology Bachelor of Science degree program is to prepare you for entry-level positions in the information technology field with the expertise to define and develop the virtualization and interconnection of data, media.

Month 1

Code	Title	Credit Hours
GEN1011	Creative Presentation	3.0

Month 2

Code	Title	Credit Hours
DEP1013	Psychology of Play	3.0

Month 3

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

Month 4

Code	Title	Credit Hours
ENC1101	English Composition I	4.0

Month 5

Code	Title	Credit Hours
CTI1105	Computer Operating Systems	3.0

Month 6

Code	Title	Credit Hours
CTI2006	Networking Technologies	3.0

Month 7

Code	Title	Credit Hours
CTI1301	Virtual Computing	4.0

Month 8

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

Month 9

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

Month 10

Code	Title	Credit Hours
CTI3001	Introduction to Application Servers	4.0
PHY3020	Physical Science	4.0

Month 11

Code	Title	Credit Hours
ITE229	Project and Portfolio II: Information Technology	3.0
ITE3111	Professional Development Seminar I: Information Technology	1.0

Month 12

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

Month 13

Code	Title	Credit Hours
CTI2701	Configuration Management Programming	4.0

Month 14

Code	Title	Credit Hours
ITE239	Project and Portfolio III: Information Technology	3.0
ITE3222	Professional Development Seminar II: Information Technology	1.0

Month 15

Code	Title	Credit Hours
CTI3007	Virtualization Technologies	3.0
CTI3111	Automating Resource Deployment	3.0

Month 16

Code	Title	Credit Hours
CTI4001	Network Security and Software	4.0

Month 17

Code	Title	Credit Hours
CTI3323	Cloud Management Platforms	3.0
CTI3622	Database Systems	3.0

Month 18

Code	Title	Credit Hours
ITE349	Project and Portfolio IV: Information Technology	3.0

Month 19

Code	Title	Credit Hours
CTI3561	Systems Performance and Capacity Management	3.0

Month 20

Code	Title	Credit Hours
CTI3231	Data Storage Systems	3.0
ENC3110	Technical Writing	4.0

Month 21

Code	Title	Credit Hours
CTI3933	Securing Systems and Data	3.0

Month 22

Code	Title	Credit Hours
ITE359	Project and Portfolio V: Information Technology	3.0

Month 23

Code	Title	Credit Hours
CTI4751	Software-Driven Data Centers	4.0

Month 24

Code	Title	Credit Hours
STA3300	Data Visualization	4.0

Month 25

Code	Title	Credit Hours
CTI4421	Distributed Data	3.0
HUM302	Cultural Studies	4.0

Month 26

Code	Title	Credit Hours
ITE469	Project and Portfolio VI: Information Technology	3.0

Month 27

Code	Title	Credit Hours
ITE479	Project and Portfolio VII: Information Technology	3.0
CRR4000	Career Readiness	4.0
Total Credit Hours		120