

Information Technology Bachelor of Science - Campus

Degree Type

Bachelor of Science

Environment

campus

Program Length

80 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

Month 1

| Code | Title | Credit Hours |
|---------|-----------------------|--------------|
| GEN1011 | Creative Presentation | 3.0 |
| DEP1013 | Psychology of Play | 3.0 |

Month 2

Month 2

| Code | Title | Credit Hours |
|---------|--|--------------|
| TEM1001 | Technology in the Entertainment and Media Industries | 4.0 |
| ENC1101 | English Composition I | 4.0 |

Month 3

Month 3

| Code | Title | Credit Hours |
|-------------|----------------------------|---------------------|
| CTI1105 | Computer Operating Systems | 3.0 |
| CTI2006 | Networking Technologies | 3.0 |

Month 4

Month 4

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

Month 5

Month 5

| Code | Title | Credit Hours |
|-------------|-------------------|---------------------|
| CTI1301 | Virtual Computing | 4.0 |

Month 6

Month 6

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

Month 7

Month 7

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

Month 8

Month 8

| Code | Title | Credit Hours |
|-------------|--|---------------------|
| CTI2511 | Cloud Networking | 3.0 |
| ITE229 | Project and Portfolio II: Information Technology | 3.0 |
| ITEC111 | Professional Development Seminar I: Information Technology | 1.0 |

Month 9

Month 9

| Code | Title | Credit Hours |
|-------------|--------------------------------------|---------------------|
| CTI2701 | Configuration Management Programming | 4.0 |

Month 10

Month 10

| Code | Title | Credit Hours |
|-------------|---|---------------------|
| MGF1213 | College Mathematics | 4.0 |
| ITE239 | Project and Portfolio III: Information Technology | 3.0 |
| ITEC222 | Professional Development Seminar II: Information Technology | 1.0 |

Month 11

Month 11

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

Month 12

Month 12

| Code | Title | Credit Hours |
|-------------|-------------------------------|---------------------|
| CTI4001 | Network Security and Software | 4.0 |

Month 13

Month 13

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

Month 14

Month 14

| Code | Title | Credit Hours |
|-------------|--|---------------------|
| STA3026 | Statistics | 4.0 |
| ITE349 | Project and Portfolio IV: Information Technology | 3.0 |

Month 15

Month 15

| Code | Title | Credit Hours |
|-------------|---|---------------------|
| CTI3561 | Systems Performance and Capacity Management | 3.0 |
| CTI3231 | Data Storage Systems | 3.0 |

Month 16

Month 16

| Code | Title | Credit Hours |
|-------------|---|---------------------|
| CTI3933 | Securing Systems and Data | 3.0 |
| ITE359 | Project and Portfolio V: Information Technology | 3.0 |

Month 17

Month 17

| Code | Title | Credit Hours |
|-------------|------------------------------|---------------------|
| CTI4751 | Software-Driven Data Centers | 4.0 |

Month 18

Month 18

| Code | Title | Credit Hours |
|-------------|--|---------------------|
| ENC3110 | Technical Writing | 4.0 |
| ITE469 | Project and Portfolio VI: Information Technology | 3.0 |

Month 19

Month 19

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

Month 20

Month 20

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

Please Note

- Some specific courses may be offered online. Please see course descriptions for details.