

Server Administrator**Certificate****40 credits**

Learn the foundational skills necessary to support data networks. Troubleshoot and repair computer systems for end users. Design and implement a variety of network infrastructures. Design, install, configure and optimize server environments to provide high availability for data networks. Develop procedures and processes to manage server security and integrity for data centers. Plan logical network designs for multiple site topologies. Practice building networks with routing and switching equipment. Implement and control data communication with routing protocols and securities in LAN and WAN infrastructures. Learn how to work in group environments by managing and facilitating projects.

CERTIFICATE REQUIREMENTS**40 CREDITS**

| Course ID | Course Name | Lec | Lab | Other | Credits |
|------------------------|---|------------|------------|--------------|----------------|
| BIT 100 | Introduction to Information Technology | 44 | 22 | | 5.0 |
| BIT 101 | Desktop Support Technician | 44 | 22 | | 5.0 |
| BIT 102 | Networking Fundamentals | 44 | 22 | | 5.0 |
| BIT 130 | Server Administration | 44 | 22 | | 5.0 |
| BIT 135 | Network Infrastructures | 44 | 22 | | 5.0 |
| BIT 140 | Implementing Directory Services | 44 | 22 | | 5.0 |
| BIT 220 | Elements of Project Management | 55 | | | 5.0 |
| BIT 197, or BIT 297 | BIT Work-Based Learning I, or BIT Work-Based Learning II | | | 275 | 5.0 |