

Virtualization Engineer Certificate

38 credits

Learn the virtualization technologies for application, desktop, server, and routing and switching network infrastructures. Design virtual networks to support cloud environments. Create virtualization strategies for dynamic IT business solutions. Practice a multitude of virtualization solutions for physical and virtual infrastructures. Build highly available virtual environments for remote desktops and application connectivity, as well as server farm capacity planning and storage solutions. Understand the concepts and best practices for virtualizing IT entities to lower cost and environmental impact. Improve the efficiency and high availability of IT resources. Utilize industry solutions to maintain and monitor virtualization on enterprise level networks.

CERTIFICATE REQUIREMENTS

38 CREDITS

Course ID	Course Name	Lec	Lab	Other	Credits
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 246	Systems Management	44	22		5.0
BIT 205	Virtualization Technology	44	22		5.0
BIT 197, or BIT 297	BIT Work-Based Learning I, or BIT Work-Based Learning II			165	3.0