

IT Professional Certificate

Master enterprise IT — Windows and Linux administration, networking, cloud, virtualization and cybersecurity foundations.

Certificate

2 Semesters

420 hours

100% Online

PROGRAM OVERVIEW

The IT Professional Certificate prepares you for a career in information technology by building practical, job-ready skills across hardware, operating systems, networking, programming, virtualization, databases and the cloud.

Delivered 100% online with hands-on cloud virtual labs, the program lets you learn at your own pace while applying every concept in realistic, real-world scenarios. By completion you will be able to troubleshoot complex IT issues and optimize technology resources for any organization.

WHAT YOU WILL LEARN

- Explain core IT concepts and the role of IT in organizations
- Install, configure and manage Windows and Linux systems
- Administer networks with routing, switching and IP addressing
- Write Python scripts to automate IT and security tasks
- Apply cybersecurity principles and security controls
- Deploy virtualization and containers (Docker)
- Design and manage relational databases with SQL
- Evaluate and deploy cloud services (AWS, Azure, Google Cloud)

CURRICULUM

First Semester

ITPR 101	Introduction to Information Technology	42 h
ITPR 102	Enterprise Windows Administration	42 h
ITPR 103	Enterprise Linux Administration	42 h
ITPR 104	Computer Networks Fundamentals	42 h
ITPR 105	Introduction to Programming	42 h

Second Semester

ITPR 201	Introduction to Cybersecurity	42 h
ITPR 202	Computer Virtualization	42 h
ITPR 203	Introduction to Databases	42 h
ITPR 204	Cloud Computing	42 h
ITPR 205	Computer Networks Design and Configuration	42 h

CAREER PATHS

- IT Support Specialist / Help Desk Analyst
- Systems Administrator
- Network Administrator
- Cloud Support Associate
- Junior Cybersecurity Analyst
- Technical Support Engineer

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