

Pearson BTEC Level 5 Higher National Diploma in Computing (Network Engineering)



ABOUT THIS COURSE

This diploma is equivalent to the first two years of a bachelor's degree, allowing students seamless transfers to a top-up degree with over 200 universities worldwide.

On successful completion of this course, students will be able to discuss several types of network security measures and associated protocols, and cryptographic types and configuration settings of network security environments. They will evaluate and implement a network using LAN design principles, produce an appropriate WAN solution and solve a range of network-related problems using appropriate troubleshooting techniques and methods.

Students are introduced to operating systems, the relationship between the subsystems embedded in a central processing unit and the core hardware and software components associated with computer operations, which will help them in configuring the hardware and systems needed to establish a computer network, together with testing the security of a network to identify and fix vulnerabilities.

Duration : 24 Months

Fees : AED 34,000 / Year

COURSE OUTLINE

KEY POINTS

- Advanced Python coding
- Professional web development and hosting
- Project on current computing topics.
- Develop security policies to mitigate risks in an organisation etc.
- Research project on current IT topics
- Transport layer design
- Cloud Computing and system architecture etc

UNITS

- Programming
- Networking
- Professional Practice
- Database Design & Development
- Security
- Planning a Computing Project (Pearson-Set)
- Computer Systems Architecture
- Transport Network Design
- Computing Research Project (Pearson Set)
- Cloud Computing
- Network Security
- Internet of Things
- Business Process Support
- Prototyping

ENTRY REQUIREMENTS

- 17+ years minimum
- BTEC Level 3 in IT
- GCSE – Grade A* – C
- Other related Level 3 qualifications
- CBSE, ISE, NIOS or All state boards of grade 12
- Relevant work experience (2 years minimum)
- Pass Subject Proficiency Test
- Pass English Proficiency Test

CAREER OPPORTUNITIES

- Network Engineer
- IT Support Technician
- Systems Administrator
- IT Project Manager
- Network Architect.

SCAN QR CODE



**FOR ADMISSIONS &
ENTRY REQUIREMENTS**

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