Libyan International Medical University
Faculty of Information Technology
Department of Computer Networks

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The Department of Computer Networks:

- The department of computer networks is aiming to serve as a complement part of the IT faculty that target the rapidly growing and changing technologies.

- It involves local, wide and wireless area networks and network security.

Vision of the department

- Provide quality and an enjoyable learning experience that will serve as a solid intellectual basis for a professional career in computer networking or related fields.

- Establish fundamental principles of computer networking and develop the connection between these and a broad range of national network systems in order to help to connect our society.

- Encourage initiative and confidence in approaching networking problems and adoption of an investigative approach to sort out communications problems that hinder the advancement and development of the community.

- Develop skills in the presentation of technical work, the interpersonal and organizational requirements associated with carrying out a networking project, and an appreciation of the industrial and social context of the technology.

- Give an exceptional understanding of the role and responsibilities of the computer networking engineer to society and the environment.

Mission of the department

- Provide a broad education in computer networks, with a special emphasis on the technical specification, design, implementation and maintenance of computer networks.

- Ensure that the students have access and exposure to the latest innovations and technology in computer networks.

- Equip students with the skills and knowledge necessary to pursue a successful career in a variety of areas such as IT, computer networks and telecommunications industries.

- Gain familiarity with a wide range of computer network deployments (banking, utilities, hospitals, public telecoms and all aspects of the industry from small to large enterprises).

- Prepare students for direct employment or postgraduate study.

- Develop and improve interpersonal and communications skills, particularly writing formal reports and giving presentations.

- Equip students with the knowledge necessary to understand the ethical and environmental issues they will encounter in industry.

- Help the student to complete the internationally recognized certificates such as Cisco Certified Network Associate (CCNA).

Courses

- 61151 IT Foundations.
- 61257 Int. to Computer Networking.
- 62221 Switching Essentials.
- 62226 Microsoft Windows Server Administration.
- 62153 Int. to Database Systems.
- 62122 Network Protocols.
- 62145 Int. to Computer Hardware and Software.
- 63120 Routing Essentials.
- 62223 Principles of Communication.
- 63141 Web Application Development.
- 63121 Microsoft Windows Server Advanced Configuration.
- 64124 Multimedia over IP.
- 63220 WAN & Optical Networks.
- 63124 Wireless and mobile communications networks.
- 63127 Virtualization and Cloud Computing.
- 63126 Information Storage management.

- 63123 Network Applications.
- 63221 Security Principles and Practices.
- 63223 Int. to Linux.
- 63222 Network Design.
- 64121 Network Security.
- 64122 Network Analysis Using Wireshark.
- 64123 Network Programming.
- 63224 Datacenters.
- 64142 IT Capstone Project I.
- 64280 IT Capstone Project II.
- 64515 Internet Service Provider.
- 64516 Analyzing Cybersecurity Crimes.
- 64517 Advanced Topics in Routing.
- 64512 Mobile Application Development.
- 64513 Big Data.
- 64518 Advanced Topics in Switching.
- 64519 Linux Network Administration.
- 64520 Information Technology Infrastructure Library (ITIL).
- 62154 Int. To Information Systems.