

# COMPUTER AND COMMUNICATION NETWORKING

## BACHELOR OF APPLIED INFORMATION SCIENCES



### Hire The Best

This program combines the practical skills development typical of a college program with the theoretical breadth of a university program. This program emphasizes skill development in business applications as well as technology, including project and vendor management, networking infrastructures, services marketing, e-business integration, network security business consulting and wire and wireless networks.

### Some Assignments Include

- Network administration
- Network security analysis
- Technical support
- Information and communication technology architecture

### Program Outline

Sept. – Dec.	Jan. – April	May – Aug.	Sept. – Dec.	Jan. – April	May – Aug.	Sept. – Dec.	Jan. – April	May – Aug.	Sept. – Dec.	Jan. – April
Semester 1	Semester 2	Vacation	Semester 3	Semester 4	Internship Term	Semester 5	Semester 6	Internship Term	Semester 7	Semester 8
Computer Network Fundamentals Computer Architecture Website Design & Development Fundamentals of Business & Information Systems Logic & Problem-solving Strategies English & Communication Skills	Operating Systems Fundamentals LAN Switching & Routing Programming Fundamentals Financial Analysis Economics (Liberal Studies) Discrete Mathematics 1		Network Operating Systems 1 WAN Technologies Database Design & Modeling Marketing of Services Statistics & Research Methods Ethics	Network Operating Systems 2 Principles of Computer & Network Security Communication Technology Database Driven Websites Organizational & Client Relationships Liberal Studies Elective Employment Pre-placement*		Wireless Networks Voice Systems & Services Network Management Systems Analysis & Design Project Management Liberal Studies Elective	Advanced Switching & Routing Voice/IP Convergence Quantitative Research (Methods) Entrepreneurship in the New Economy *Professional Elective Liberal Studies Elective		Enterprise Network Design Network Design Project Applied Research Project Management of Change & Innovation *Professional Elective Liberal Studies Elective	Networking: Advanced Troubleshooting Integrative Project in Vertical Markets Business Consultant *Professional Elective Liberal Studies Elective

\*Professional elective courses allow specialization in areas of information and e-business management, network security, and wireless networks and technology