



# David University

## Information Technology Department

### Master Degree Admission Application Course Details

#### **SUMMARY:**

Information Technology has revolutionized the way we live and do business. It has touched every aspect of our lives, and created new standards in the quality of living, learning and communication all over the world. This has led to a great demand for personnel who are highly qualified in this field. As a result, a Master's degree in Information Technology has become one of the most coveted programs among students. At the workplace, computers are increasingly replacing manual labor, and taking over many to most of the arduous jobs once done by individuals. Such huge reliance on computers in our work, study and business has led to a major demand for top quality personnel in the field of information technology. A candidate with a Master's degree in Information Technology is able to introduce new methodology and system integration within an organization to enhance productivity and improve the efficiencies and effectiveness of the entire business.

#### **Entry Qualifications**

1. Bachelor Degree Completion
2. Proof of work experience, used for evaluation and approval by the school authorities for entry qualification.

#### **School Hours That Meet Your Time Schedule**

In accordance with the National Ministry of Education regulations classes can be planned and scheduled on weekends and National Holidays as not to influence student working hours.

#### **Further Education application requirements and procedures:**

1. Completion of application form
2. Presentation of documents of previous educational achievement (transcripts)
3. After completion of formal school registration, student identity card will be issued

## Future Prospects:

A Master's in Information Technology usually opens the doors of opportunity for the candidates in careers such as Computer engineering and operations, Computer programming, Computer Security specialist, computer or network support specialist, Systems Analyst, Data communication analyst and specialties in one particular area of information technology. The important areas related to Information Technology include database management, network administration, web development, or digital media management

## Curriculum

### MASTER IN INFORMATION TECHNOLOGY

PART 1				
Semester	Code	Course	Type *	Credits
1	MIT14001	Information Theory	Basic	3
1	MIT14002	Advanced Communications Systems	Basic	3
1	MIT14003	Digital Communications	Basic	3
1	MIT14004	Operating Systems	Basic	3
Total credits to be completed:				12
PART 2				
Semester	Code	Course	Type *	Credits
2	MIT14005	Computational Methods	Core	3
2	MIT14006	Mathematical Analysis	Core	3
2	MIT14007	Applied Mathematics	Core	3
2	MIT14008	Matrix Analysis	Core	3
Total credits to be completed:				12
PART 3				
Semester	Code	Course	Type *	Credits
3	MIT14009	Functional Analysis	Core	3
3	MIT14010	Random Variable & Processes	Core	3
3	MIT14011	Soft-Computing Method	Core	3
3	MIT14012	Information Engineering Mathematics	Core	3
3	MIT14013	Master's Thesis	Core	6
Total credits to be completed:				18
TOTAL CREDITS TO BE COMPLETED				
Semester	Part	Type *	Credits	
1	Part 1	Basic	12	
2	Part 2	Core	12	
3	Part 3	Core	18	
Total credits to be completed:				42

NOTE: (The above information is for reference only is a general description of the degree courses. These may change once the course is in session and reset.)