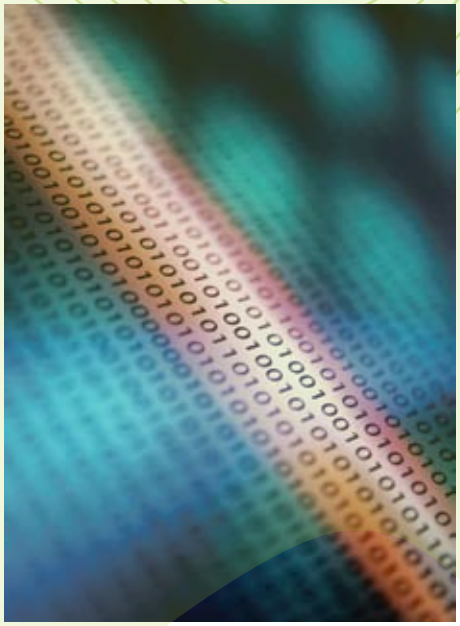
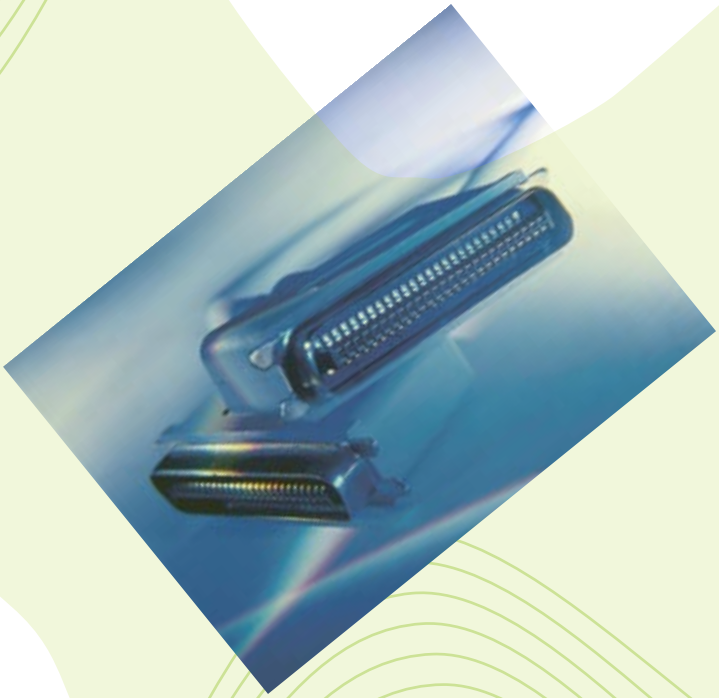
FACULTY OF INFORMATION TECHNOLOGY





FACULTY OF INFORMATION TECHNOLOGY

The establishment of the Faculty of Information Technology in 2000 came in full harmony with the university's philosophy of providing high quality education to Palestinian students. It came also as a response to the needs of local, regional, and international markets for I.T. graduates.

At present, the Faculty has three departments: the Department of Computer Science, the Department of Management Information Systems and the Department of Computer Information Systems. All three departments have undergraduate programs. The Faculty is home to several computer labs, equipped with high-tech equipment, for the training of students and for conducting research.

The Faculty has plans to offer new academic programs in the future, to accommodate the changing needs of Palestinian society.

Faculty Requirements: 24 credit hours

Course #	Course Title	Credit Hours	Prerequisite
21101	Calculus I	3	
21102	Calculus II	3	21101
21231	Methods of Statistics I	3	
131101	Principles of Programming I	3	
131102	Principles of Programming II	3	131101
131201	Technical Report Writing	3	10103
132219	Introduction to Management Information Systems	3	
133204	Web Programming I	3	131102

Course Descriptions

MTH21101: Calculus I

Topics covered in this course include analytic geometry, continuity, limits, definite and indefinite integration, applications of integration and differentiation.

MTH21102: Calculus II

This course introduces integration and differentiation of exponential and logarithmic functions, trigonometric and partial trigonometric functions, and methods of integration, polar coordinates, conic sections, extraordinary integration and indefinite quantities.

STAT21231: Methods of Statistics I

Topics covered in this course are statistical data classes, measures of central tendency and variability, probability, concepts and calculations. In addition, the course covers discrete and continuous random variables and probability distributions, as well as binomial and normal distributions and sampling distributions. The course ends with point and interval estimates for population means and testing hypothesis for population means.

COM131101: Principles of Programming I

This course begins with an introduction to computers, hardware and software and problem solving. This course also includes an introduction to programming using C/C++ including; I/O; expressions and arithmetic; if, while and for statements; one-dimensional arrays, string handling, functions, scope, recursion, and matrices.

COM131102: Principles of Programming II

This course covers more advanced C/C++ programming features including pointers, dynamic memory, structures, text files, binary files, classes and objects.

COM131201: Technical Report Writing

This course focuses on report writing skills. It is designed to equip students with the principles of scientific and business writing. By the end of the course, students are expected to have mastered the process of professional report writing.

MIS132219: Introduction to Management Information Systems

This course is an introduction to management information systems and information technology. It provides a foundation for the intelligent use of computers as management tools. This course will assist business students in learning how to use and manage information technology to support business operations and objectives, to improve managerial decision-making and gain competitive advantage.

CIS133204: Web Programming I

This is an introduction to internet applications, basic concepts of web programming, HTML, XHTML, Javascript, server-side programming and scripting (PHP, XML), and web site creation case studies.