Prerequisite	Credit Hours	Course Name	Course Number
De	3	Programming Fundamentals	0407111

The Programming Fundamentals course was developed in order to introduce the student to the fundamentals of programming by using a clear and simple language for college students to develop students' skills in the field of information technology in terms of analytical thinking of problems, developing an algorithm, and applying it using a programming language.

Prerequisite	Credit Hours	Course Name	Course Number
0407111	3	Advanced Programming	0407218

This is the second course of computer programming, where new programming topics are presented, such as dealing with texts, files, databases, dialog boxes and multimedia. This is in addition to exposure to other selected topics.

Prerequisite	Credit Hours	Course Name	Course Number
0400201	3	**Management Information Systems**	0407231

The focus in this course is on the concept of system theory as an entry point to study the management information system, the concept of the management information system, its components, the principles adopted in determining its components, the aspects through which the importance of this system can be embodied, and the beneficiaries of the system outputs, communications and the most important requirements necessary to manage and operate a system the information. With a focus on MIS applications in various fields, attention to terminology in English, and students' accustoming to it

Prerequisite	Credit Hours	Course Name	Course Number
0407111	3	**Computer Applications In Business**	0407112

This course is designed to deal with many of the features of Microsoft Office applications for creating documents, publications, and complete assignments that require the use of Microsoft Office suite. The basics of using this software package will be learned at the beginning until reaching to deal with it in an advanced way. To take advantage of these packages in helping managers and organizations in administrative work.

Prerequisite	Credit Hours	Course Name	Course Number
0407218	3	**Web Programming**	0407255

This course provides an overview of basic concepts of the Internet and the World Wide Web, including how the Internet, protocols, and services operate in the Internet. Students will design and create web pages using web page editors / publishers and create and edit graphic images for web pages using image editing software.

Prerequisite	Credit Hours	Course Name	Course Number
0407231	3	**Management Information Systems in English**	0407332

The focus of this course is on the concept and importance of management information systems. And on some simple topics and others specialized in management information systems in the English language, and specialized readings in management information systems in English and developing practical examples of companies that have benefited from the application of MIS in their work.

Prerequisite	Credit Hours	Course Name	Course Number
0406112	3	**Database Systems**	0407333

This course covers the importance of databases in various fields and shows what databases are and their types and focuses on database schemes and how to convert the descriptive case into a schema, and clarifies the concept of relational databases and focuses on how to create the database and build tables and deal

with it in terms of adding records, query, reports and create forms from Through the Access app.

Prerequisite	Credit Hours	Course Name	Course Number
0407112	3	**Multimedia Systems**	0407250

This course provides an overview of multimedia, which extends from simple computer animation effects to advanced interactive multimedia design (texts, sounds, integrated videos, and animations.(

Prerequisite	Credit Hours	Course Name	Course Number
0407231	3	**Computer Networks**	0407425

The course introduces the principles of data transmission and communication systems, contexts and computer networks, and includes the following: communication models, transmission medium, transport path, network shapes and structures, levels and contexts, network management, network layered model, TCP / IP Internet contexts, communication systems, and network security.

Prerequisite	Credit Hours	Course Name	Course Number
0407231	3	**Strategic Information Systems**	0407430

The focus in this course is on the concept of strategic information systems, their characteristics, components, and the mechanism adopted in the transition from traditional management information systems to strategic information systems, the difference between them and its importance in strategic information systems in achieving competitive advantages for organizations.

Prerequisite	Credit Hours	Course Name	Course Number
0407231	3	**Decision Support Systems**	0407433

The focus in this course is on introducing the concept of Decision Support Systems, how they arise, their characteristics and the difference between them and other systems, the technology patterns of decision support systems, in addition to their types, tools and applications, and the subsystems that make up

them, as approved approaches in their construction and development, and the stages of their design and construction, how Adopting its applications.

Prerequisite	Credit Hours	Course Name	Course Number
0407231	3	**Advanced Topics in Information Systems**	0407445

The course talks about the basic concepts and advanced concepts of information systems and the main roles of information systems within organizations. It also discusses a number of recent topics in this field, including achieving technology sustainability for business organizations, protecting data from piracy attacks, the infrastructure of management information systems, electronic currency, and geographic information systems. Electronic administration and electronic governments, expert systems, simulation systems, the use of information systems in surgical operations, exploration systems, in addition to robots, and the material also includes a number of case studies that the student deals with in analysis and discussion.

Prerequisite	Credit Hours	Course Name	Course Number
0401227 Department Approval	3	**Practical Training**	0407447

The focus in this course is on the steps of preparing specialized research in the field of information systems, the appropriate method for identifying research problems, formulating hypotheses, determining research objectives and its importance, research methodology, testing hypotheses, discussing results, and preparing recommendations, by addressing samples of research that have been prepared In this field, which was published in specialized scientific journals.

Prerequisite	Credit Hours	Course Name	Course Number
0400201	3	**eCommerce**	0407448

The focus of this course is on the definition of e-commerce and its infrastructure, its benefits, determinants and its future, the associated concepts, its applications, and web design for e-commerce. The course also deals with the most important issues related to the application of e-commerce, such as its economic effects, social, ethical and legal issues, information security and electronic money payment.

Prerequisite	Credit Hours	Course Name	Course Number
0407332	3	**Analysis And Design Of Management Information System In English**	0407451

The focus in this course is on the concept of management information systems design, MIS development methodology, the system life cycle from the stage of planning, analysis, design, implementation, development and building of the organization's database management. And a statement of how to design, analyze and apply management information systems on the computer, and then apply them to data that represent a simulation of the reality of the organization and evaluate the outputs of the system in order to enhance the advantages in it and correct errors, and discuss and present the scientific project that each student prepares.

Prerequisite	Credit Hours	Course Name	Course Number
0407231	3	**Enterprise Resource Planning Systems (ERP)**	0407334

This course provides an overview of the mechanism of integrating information systems within the organization and how the main functions within the organization relate to each other and explain how to use those systems to reach the ideal state within the organization.

Prerequisite	Credit Hours	Course Name	Course Number
0407425	3	**Information Security**	0407480

The course talks about the importance of information systems security in various fields and shows what information security is in the organization and focuses on the threats facing information security, how to measure information security and the mechanism for enhancing information security.