

## تخصص علم الحاسوب

**An ability to apply knowledge of computing and mathematics in the development of computer algorithms and solutions.**

**Write programs that are well structured, modular, well documented, efficient, and correct with respect to a specification.**

**Apply relational database concepts, principles, and theories to designing and creating information systems.**

**An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems.**

**Apply operating system and hardware concepts and principles to problem solving in the context of computer systems.**

**Apply knowledge of networking concepts and principles to solving problems related to networked computer systems.**

## تخصص نظم المعلومات الحاسوبية

**Apply analytical and critical thinking skills for solving organizational problems.**

**Solve problems (programming networking, database, and Web design) in the Information Technology environment.**

**Ability to analyze, design, and implement an information system.**

**Identify the potential global impact of information systems solutions.**

**Evaluate and implement organizational planning, design, and integration of information systems solutions in competitive environment.**

**Identify innovative and efficient solutions to solve organizational problems.**

**Ability to improve the effectiveness of group processes and work products**

**Develop an understanding of the best practices and standards and their application.**

**Understand legal and information security associated with information systems.**

## **تخصص نظم المعلومات الإدارية**

**Plan, develop, implement, deploy and evaluate high quality applications, interactive websites, and procedural components of a data processing system in a business environment.**

**Explain and apply the core aspects of information technology principles and tools, and manage their implementation in a business context.**

**Demonstrate the ability to search, analyze, and synthesize current information systems and solutions in the rapidly changing information technology profession.**

**Work independently and cooperatively to deliver and design reports, programs, projects, databases and other deliverables that document a business organization's information technology requirements.**

**Understand the characteristics of operation research and its best practices, standards and tools that used to achieve effective solutions.**

**Understand ethical, legal, and information security, base decisions and professional guidelines and practices associated with business information technology.**

**Encourage an innovative, creative, compassionate attitude that inspires employees to follow the entrepreneurial outlook of a well-organized manager**