

## Introduction:

The program of Networks and Information Security was launched in 2014 offering students the latest knowledge in the subjects of computer networks and information security. The program delivers a well-rounded curriculum in computer networks and information security as well as in management-level skills to maximize the students' career potentials. The curriculum covers analysis and design using the latest international tools and software adopted by modern industry. The practical part of the curriculum is enhanced by advanced labs and centers such as the Cisco Networking Academy.

## Mission:

Our mission is to provide a distinguished education in a creative environment which copes with the latest developments in the field of networks and information security; to meet the quality assurance standards that fulfill the requirements of the national and international accreditation; to obtain high quality outputs which fulfill the labor market needs; to stimulate scientific research and to strengthen cooperation with the local community.



## Program Educational Objectives:

The Networks & Information Security program aims to produce graduates who are able to;

1. apply mathematical foundations, algorithmic principles, and modern tools to assess, develop, and implement/design networks and information security systems.
2. be aware of the societal impact of technology and of the ethical issues in networks and information security to make decisions regarding their personal and professional responsibilities.
3. work collaboratively, function and communicate effectively, and think creatively, in increasingly multi-cultural and multi-disciplinary environments nationally and regionally.
4. participate in identifying contemporary challenges in networks and information security and/or propose a plan of action to tackle them.



## Student Outcomes:

By the time of graduation, students in the NIS program will be able to:

- a.** apply knowledge of computing and mathematics appropriate to the Student outcomes and to the discipline.
- b.** analyze a problem, and identify and define the computing requirements appropriate to its solution.
- c.** design, implement, and evaluate a computer-based system, process, component, or program to meet the desired needs.
- d.** function effectively on teams to accomplish a common goal.
- e.** understand professional, ethical, legal, security and social issues and responsibilities.
- f.** communicate effectively with a range of audiences.
- g.** analyze the local and global impact of computing on individuals, organizations, and society.
- h.** recognize the need for and an ability to engage in continuing professional development.
- i.** use current techniques, skills, and tools necessary for computing practice.



**Al-Ahliyya  
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عَمَّانِ  
الْأَهْلِيَّةِ

## Faculty of Information Technology

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