كلية الهندسة
College of Engineering
QATAR UNIVERSITY جامعة قطر

Master of Science in Computing

About the Program

Computing is a fast-changing, exciting field offering students numerous options for rewarding careers and future advancements. The Master of Science in Computing is designed to enable graduates to extend and deepen their computing knowledge and practices. The Department of Computer Science and Engineering (CSE) at Qatar University designed the curriculum by focusing on the high-level knowledge and skills expected from a graduate program in computing. The distinguishing characteristic of the master's curriculum stresses on applications of computing without neglecting research orientation. The program offers the selection of one of two focus areas: either Computer Engineering or Computer Science. It also presents a variety of course selections on data analytics, security, networking, robotics, intelligent systems and software design etc…

Program Website:
http://www.qu.edu.qa/engineering/computer/programs/ms/index.php

About the Curriculum and Coursework:

In addition to the research work (i.e.Thesis requiring 6 credit hours), students are required to complete 25 credit hours of coursework. Choosing the project option (3 credit hours); requires completing 28 credit hours of coursework. A typical duration of the program is four semesters (two years) and the maximum duration is eight semesters (four years). The Program is offered for both part- and full-time students.

Degree Requirements:

A total of 31 credit hours are required including:

- A minimum of 7 credit hours of major core requirements.
- A minimum of 12 credit hours from focus area package (Computer Engineering or Computer Science focus area).
- A 6 credit hours for the Thesis Option Requirements (for research Track).
- A 3 credit hours for the Project Option Requirements (for professional track).

Additional courses: Students must complete additional number of credit hours from the major electives or from any focus area packages in order to meet the program 31 credit hours requirement.

Research Interests/Emphasis:

http://www.qu.edu.qa/engineering/computer/researchs/general.php
Exiting research clusters: Network, Systems and Security, Information and Software Engineering, Visual Computing, and Embedded Computing Systems. Large number of granted research projects with scientific involvement of graduate students.

Facilities:

Fully equipped computer science and engineering laboratories including, network, digital logic, virtual reality lab. All laboratories encompass computers, printers, data-acquisition systems and up-to-date software packages.

Potential Careers:

Graduates are suitable for a variety of job environments such as academia, research, industry, government and private organizations. The program could help graduates to pursue a wide range of higher level jobs in computing such as data science analyst, project manager, research associate, network systems designer, database administrator, IT manager, Mobile and Web Applications designer, etc.

Financial Support:

A number of funding opportunities are available for graduate students through external and internal sources such as the National Priority Research Program (NPRP) of Qatar Foundation and Qatar University internal grants. Qualified graduates can also apply for graduate assistantships that are provided by Qatar University.