

## Communication & Information Technology – Wireless Technologies Program (MSCIT-WiTech)

Moving into the 21st century, it became clear that wireless technologies are revolutionizing the way we live. Wireless technologies is increasingly being used in many applications as the method of choice for multi-media communications and Internet access. The rapid growth of ubiquitous wireless systems is faced by a variety of technical challenges. It is therefore essential to develop engineers having a thorough understanding of the different aspects related to wireless communication, both at the theoretical level, and at the practical implementation level.

With this in mind, Nile University is introducing the first graduate program in Egypt specialized in wireless communication covering a wide range of topics and involving a strong research component. The program aims at producing technically astute graduates with solid managerial, leadership, and communications skills, thus preparing them for future roles in the wireless technologies industry.

The MSCIT-WiTech program is targeting engineers who intend to develop their knowledge of the wireless technologies discipline. Prospective students in the MSCIT- WiTech program are typically from electrical engineering or computer engineering backgrounds.

The program delivery is by NU faculty as well as international faculty from renowned universities. The MSCIT-WiTech is offered in cooperation with Ohio State University thereby ensuring that the program delivery is at the highest international standards and the best practices.

### Convenient Academic Structure

- Small class size for individualized attention
- The program length is 36 credit hours acquired through as follows:
  - (a) 24 credit hours of course work
  - (b) 12 credit hours of thesis work
- Class schedules will be available on our website
- Credits and courses are listed on the reverse side of this sheet

# Overview

## Admission Information

- Students admitted into the MSCIT program are required to hold an appropriate university degree
- Decisions on admission to the program are made by the Admissions Committee based on:
  - Student's academic records; a grade of "Good" from recognized universities in Egypt or GPA of 3.0 from an accredited university or program
  - GRE scores
  - TOEFL score of 500 or equivalent (not more than 2 years old)
  - Personal interview

## Scholarships

- Scholarships are awarded based on academic excellence. Applicants may be considered for the scholarships when they present their transcripts of graduation and in turn all students will be put on a scanning system to identify priorities in scholarships.

## Degree Awarded

Master of Science in Engineering Communication & Information Technology from Nile University

Course requirements for the MSCIT-WiTech program are as follows\*:

Areas	Requirements
<b>CIT Courses</b> * Information Theory * Design of Communication Systems * Stochastic Processes	9 credits
<b>Specialized Technology-Centered Courses</b> * Principles of Wireless Communication * Wireless Networking * Antennas and Propagation * Advanced Coding and Signal Processing * Circuit design for Wireless Communication * Selected Topics * Directed Study	12 credits
<b>Management of Technology/Business Courses</b>	3 credits
<b>Thesis</b>	12 credits
<b>Total required number of credit hours for M.Sc. Program = 36 credit hours</b>	

\* The university reserves the right to modify or update the curriculum