



Hijjawi Faculty for Engineering Technology

Computer Engineering Department

Telecommunications Engineering/ Wireless Communication

Thesis Track

A. Admission Requirements:

Students wishing to enroll in this program must satisfy the following two conditions:

- Holding a bachelor degree in Communication Engineering, Computer Engineering, Electronic Engineering or Electrical Engineering. Other fields are subject to Departmental approval.
- Meeting the English language requirements as outlined by the decisions of the Higher Education Council.

B. Degree Requirements:

1. Meeting the conditions stipulated in the Master program regulations number (3) for the year 2011.
2. Completion of remedial courses recommended by the department graduate studies committee.
3. Studying and successfully passing at least (33) credit hours from the level of (600) and above.

1.Core Courses: (15) credit hours

Course Code	Course Name	Credit Hours
CME 610	Random Processes	3
CME 612A	Digital Signal Processing	3
CME 638	Antenna, Propagations and Diversity	3
CME 652	Advanced Digital Communication	3
CME 656	Mobile Communication Systems	3



2. Elective Courses: (9) credit hours

Course Code	Course Name	Credit Hours
CME 614	Numerical Analysis in Electromagnetic	3
CME 616	Information Theory and Coding	3
CME 618	Detection and Estimation Theory	3
CME 630	Optical Networks	3
CME 636	Microwave Engineering	3
CME 640	Satellite Communication System	3
CME 658	Spread Spectrum Systems	3
CME 659	Advanced Wireless Networks	3
CME 691	Special Topics in communication Engineering	3
ELE 600	Statistical quality control	3
CME 653	Computer and Communication Networks	3
CPE 654	Embedded System Design	3
CPE 657	Real-Time Embedded Systems	3

3. Preparation of a Master Thesis and passing its defense exam.

The master thesis is (9) credit hours appearing for registration purposes as follows:

Course Code	Course Name	Credit Hours
CME 699A	Master Thesis	0
CME 699B	Master Thesis	3
CME 699C	Master Thesis	6
CME 699D	Master Thesis	9