Hijjawi Faculty for Engineering Technology

Computer Engineering Department

Electronic Power Engineering- Thesis Track

A. Admission Requirements:

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

- Holding a bachelor degree in Electrical Power Engineering or Electrical Engineering.
- 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
EPE 601	Advanced Engineering Mathematics	3
EPE 609	Power Systems Operation and Control	3
EPE 632	Power Electronics	3
EPE 647	Power Systems Protection	3
EPE 687	Advanced High Voltage Engineering	3

2. Elective Courses: (9) credit hours

Course Code	Course Name	Credit Hours
EPE 610	Power Systems Stability	3
EPE 617	Advanced Transmission Systems	3
EPE 618	Distribution Systems	3
EPE 619	Modern Control Theory	3
EPE 629	Renewable Energy Systems	3
EPE 639	Computer Methods in Power Systems	3
EPE 642	Power Systems Quality	3
EPE 649	Digital Protection	3
EPE 669	Restructuring of Electric Power Industry	3
EPE 671	Insulation Coordination	3
EPE 575	Crisis Management in Power Systems	3
EPE 683	Advanced Analysis of Electric Machines	3
EPE 691	Special Topics in Electric Power Engineering	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
EPE 699A	Master Thesis	0
EPE 699B	Master Thesis	3
EPE 699C	Master Thesis	6
EPE 699D	Master Thesis	9