



## Hijjawi Faculty for Engineering Technology

### Computer Engineering Department

### Electronic Power Engineering- Comprehensive 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: (24) credit hours

Course Code	Course Name	Credit Hours
EPE 601	Advanced Engineering Mathematics.	3
EPE 609	Power Systems Operation and Control	3
EPE 618	Distribution Systems	3
EPE 619	Modern Control Theory	3
EPE 632	Power Electronics	3
EPE 647	Power Systems Protection	3
EPE 683	Advanced Analysis of Electric Machines	3
EPE 687	Advanced High Voltage Engineering	3



## 2. Elective Courses: (9) credit hours

Course Code	Course Name	Credit Hours
EPE 610	Power System Stability	3
EPE 617	Advanced Transmission Systems	3
EPE 629	Renewable Energy Systems	3
EPE 639	Computer Methods in Power Systems Analysis	3
EPE 642	Power System 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 691	Special Topics in Electric Power Engineering	3

3. Passing the Comprehensive exam (EPE 698) according to Yarmouk university regulations. The Comprehensive exam accounts for zero credit hours for registration purposes.