Requirements to Apply for the M.Sc. program in Electric Power Engineering / Comprehensive Examination Track

1) Applicants who apply for acceptance in this program must comply with the following conditions:

A. Must have a bachelor's degree in electrical power engineering, electrical engineering or equivalent
B. To pass the foreign language requirement to join the program in accordance with the university's instructions.
C. Any other conditions approved by the relevant committees and councils.

2) The Master Degree in Electrical Power Engineering / Comprehensive Examination Track is granted after completing the following requirements:

a) To fulfil the requirements stipulated in the Master's Program No. (3) 2011
b) Studying the additional and supplementary courses decided by the Graduate Studies Committee in the department.
c) Any other conditions deemed appropriate by the department and decided by the committees and councils concerned.
d) Studying at least (33) credit hours of level (600) and success in them with GPA not less than 75%.

A. mandatory courses of (٢٤) credit hours given in the following table:

Course Code & No.	Course Title	C.H.	Semester the course provided
EPE 601	Advanced Engineering Mathematics	3	First
EPE 609	Power Systems Operation and Control	3	First
EPE 618	Distribution Systems	3	First
EPE 619	Modern Control Theory	3	First
EPE 629	Renewable Energy systems and energy efficiency	3	Second
EPE 632	Power Electronics	3	Second
EPE 647	Advanced Power Systems Protection	3	Second
EPE 683	Advanced Analysis of Electric Machines	3	Second

B. elective courses of (12) credit hours. A student can chose from the elective courses listed in the following table:

Course Code & No.	Course Title	Credit Hours
EPE 610	Power System Stability	3
EPE 617	Advanced Transmission Systems	3
EPE 639	Computer Methods in Power Systems	3
EPE 642	Power Systems Quality	3
EPE 644	Smart Power Grids	3
EPE 669	Restructuring of Electric Power Industry	3
EPE 671	Insulation Coordination	3
EPE 675	Electric Motor Drives	3
EPE 687	Advanced High Voltage Engineering	3
EPE 691	Special Topicsin Electric Power Engineering	3

C. Pass the comprehensive exam in accordance with the valid university regulations. For registration purposes, it is considered as zero credit hour