

**ELECTRICAL AND ELECTRONICS ENGINEERING PhD Program (on MSc)**

REMEDIAL COURSES				
Dept.	Code	Course Name	CR.	ECTS
EE	211	Electrical Circuits	NC	
EE	212	Circuits and Systems	NC	
EE	226	Fundamentals of Electromagnetics Fields	NC	
EE	232	Intro. To Electronics	NC	
EE	241	Digital Circuits	NC	
EE	242	Microprocessor Systems	NC	
PROGRAM COURSES				
Dept.	Code	Course Name	CR.	ECTS
		Departmental Elective I	3	10
		Departmental Elective II	3	10
		Departmental Elective III	3	10
		Departmental Elective IV	3	10
		Area Elective I	3	10
		Area Elective II	3	10
		Area Elective III*	3	10
EE	690	PhD Seminar	NC	2
EE	691	Independent Study for Qualifying Exam	NC	30
EE	700	PhD Dissertation	NC	150
		TOTAL	21	252
EXTRA/NON-DEGREE COURSES				
Dept.	Code	Course Name	CR.	ECTS
		Extra/Non-degree	NC	

* If a student did not take a research methods/methodologies course during MSc work, he/she shall take one of the courses in Research Methodologies instead of Area Elective III.

Course Group	Description
Departmental Elective I-IV	Electrical and Electronics Engineering courses under the GSNAS.
Area Elective I-III	All GSNAS courses in the elective pool offered by all departments.
Research Methodologies	BTEC 550, ESYE 501.
Extra/Non-degree	Optional non-credit (NC) courses that are not part of the program.
Remedial Courses	Undergraduate level courses offered by department.