

Electrics and Electronics Engineering Course Prerequisites

2018 Course Plan		Prerequisite	
Course Code	Course Name	Course Code	Course Name
SEMESTER 1			
ELK 101E	Intro. to Electrical and Electronics Eng.		
BIL 101E	Intro. to Comp. and Info. Systems		
MAT 101E	Mathematics I		
FIZ 101E	Physics I		
FIZ 101EL	Physics I Lab.		
KIM 101E	Chemistry		
KIM 101EL	Chemistry Lab.		
RES 103E	Technical Drawing		
TDB 101	Türk Dili I		
YDE 170E	Academic Language Skills		
SEMESTER 2			
MAT 102E	Mathematics II	MAT 101E	Mathematics I
FIZ 102E	Physics II		
FIZ 102EL	Physics II Lab.		
BIL 106E	Intoduction to Programming C		
MAT 108E	Linear Algebra		
ELK 102E	Fund. of Electrical and Electronics Eng.		
TDB 102	Türk Dili II		
	2nd Semester Elective English Course		
SEMESTER 3			
ELK 201E	Circuit Analysis I	ELK 102E	Fund. of Electrical and Electronics Eng.
ELK 201EL	Circuit Analysis I Lab.	ELK 102E	Fund. of Electrical and Electronics Eng.
MAT 202E	Differential Equations	MAT 102E	Mathematics II
ELK 203E	Digital Logic Design		
ELK 203EL	Digital Logic Design Lab.		
MAT 203E	Probability and Statistics		
ATA 101	Atatürk İlkeleri ve İnkılap Tarihi I		
	3rd Semester Elective (ITB) - SGS		
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SEMESTER 4			
ELK 202E	Circuit Analysis II	ELK 201E	Circuit Analysis I
ELK 202EL	Circuit Analysis II Lab.	ELK 201E	Circuit Analysis I
MAL 102E	Materials Science	KIM 101E	Chemistry
ELK 206E	Electromagnetic Theory	FIZ 102E	Physics II
MAT 201E	Numerical Methods	MAT 102E	Mathematics II
ATA 102	Atatürk İlkeleri ve İnkılap Tarihi II		
ETK 101E	Engineering Ethics		
	4th Semester Elective Course (TB)		
SEMESTER 5			
ELK 300E	Internship I		
ELK 303E	Analog Electronics	ELK 202E	Circuit Analysis II
ELK 303EL	Analog Electronics Lab.	ELK 202E	Circuit Analysis II
ELK 305E	Electrical Machines I	ELK 202E	Circuit Analysis II

ELK 305EL	Electrical Machines I Lab.	ELK 202E	Circuit Analysis II
ELK 307E	Electromagnetic Waves	ELK 206E	Electromagnetic Theory
ELK 309E	Signals and Systems I	MAT 202E	Differential Equations
	5th Semester Elective Course (TM)		
SEMESTER 6			
ELK 302E	Automatic Control Systems	ELK 309E	Signals and Systems I
ELK 304E	Digital Electronics	ELK 203E	Digital Logic Design
ELK 304EL	Digital Electronics Lab.	ELK 203E	Digital Logic Design
ELK 306E	Electrical Machines II	ELK 305E	Electrical Machines I
ELK 106EL	Electrical Machines II Lab.	ELK 305E	Electrical Machines I
	6th Semester Elective Course-I (ITB)		
	6th Semester Elective Course-II (ITB)		
	6th Semester Sleective Course-III (ITB)		
SEMESTER 7			
ELK 400E	Internship II		
END 401E	Occupational Health and Safety I		
	7th Semester Elective Course-I(MT)		
	7th Semester Elective Course-II(MT)		
	7th Semester Elective Course-III(MT)		
	7th Semester Elective Course-IV(MT)		
	7th Semester Elective Course -I(ITB)		
	7th Semester Elective Course -II(ITB)		
SEMESTER 8			
ELK 402E	Senior Design Project		To be 4th Class Students
END 402E	Occupational Health and Safety II		
	8th Semester Elective Course-I(MT)		
	8th Semester Elective Course-IIMT)		
	8th Semester Elective Course-III(MT)		
	8th Semester Elective Course-IV(MT)		