



# Alanya Alaaddin Keykubat Üniversitesi

## RAFET KAYIS FACULTY OF ENGINEERING

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ (İNG.)

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEE 101	PHYSICS I	3+0+1	Compulsory	5
EEE 103	CHEMISTRY	3+0+0	Compulsory	4
EEE 105	MATHEMATICS I	4+0+0	Compulsory	5
EEE 107	C PROGRAMMING	3+0+2	Compulsory	5
EEE 109	COMPUTER TOOLS FOR ELECTRICAL ENGINEERING	3+0+2	Compulsory	5
YDE 101	FOREIGN LANGUAGE I	3+0+0	Compulsory	4
SEC 101	ELECTIVE COURSE I	2+0+0	Elective	2
<b>Total ECTS</b>				<b>30</b>
Course Groups				
KRP 101	CARRIER PLANNING	2+0+0	Elective	2
SEC 101.1	HISTORY OF ART	2+0+0	Elective	2
SEC 101.10	BASKETBALL	2+0+0	Elective	2
SEC 101.11	TENNIS	2+0+0	Elective	2
SEC 101.12	TABLE TENNIS	2+0+0	Elective	2
SEC 101.13	FOLK DANCES	2+0+0	Elective	2
SEC 101.14	MUSIC CULTURE	2+0+0	Elective	2
SEC 101.15	ARTS&PAINTING	2+0+0	Elective	2
SEC 101.16	THEATRE AND CINEMA	2+0+0	Elective	2
SEC 101.17	HEALTHY LIVING	2+0+0	Elective	2
SEC 101.18	NUTRITION	2+0+0	Elective	2
SEC 101.19	MEDIA LITERACY	2+0+0	Elective	2
SEC 101.2	HISTORY AND PHILOSOPHY OF SCIENCE	2+0+0	Elective	2
SEC 101.20	MATHEMATICAL ESTHETICS	2+0+0	Elective	2
SEC 101.21	INDUSTRIAL DESIGN	2+0+0	Elective	2
SEC 101.22	BASIC PHOTOGRAPHY	2+0+0	Elective	2
SEC 101.23	SURFING	2+0+0	Elective	2
SEC 101.24	JAPANESE I	2+0+0	Elective	2
SEC 101.25	JAPANESE II	2+0+0	Elective	2
SEC 101.26	MYTHOLOGY	2+0+0	Elective	2
SEC 101.27	ANCIENT CITY	2+0+0	Elective	2
SEC 101.28	SOCIOLOGY	2+0+0	Elective	2
SEC 101.29	PHILOSOPHY	2+0+0	Elective	2
SEC 101.3	DISASTER AWARENESS	2+0+0	Elective	2
SEC 101.30	ANCIENT DNA: HISTORY OF THE PAST	2+0+0	Elective	2
SEC 101.31	GENETIC HERITAGE	2+0+0	Elective	2
SEC 101.32	MODERN GENETIC APPLICATIONS: GENE CLONING	2+0+0	Elective	2
SEC 101.33	FOOD AND FOOD CULTURE	2+0+0	Elective	2
SEC 101.34	DIET AND EFFECTS	2+0+0	Elective	2
SEC 101.35	TRADITIONAL FOODS	2+0+0	Elective	2
SEC 101.36	ORGANIC AGRICULTURE	2+0+0	Elective	2
SEC 101.37	INTRODUCTION TO INFORMATION TECHNOLOGIES & APP.S	2+0+0	Elective	2
SEC 101.38	CIRCUIT DESIGN TOOLS I	2+0+0	Elective	2
SEC 101.39	CIRCUIT DESIGN TOOLS II	2+0+0	Elective	2
SEC 101.4	ELOQUENT SPEECH	2+0+0	Elective	2
SEC 101.40	HISTORY OF CIRCUITS AND SYSTEMS	2+0+0	Elective	2
SEC 101.41	COMPUTER AIDED PCB DESIGN	2+0+0	Elective	2
SEC 101.5	BASIC FIRST AID AND EMERGENCY	2+0+0	Elective	2
SEC 101.6	ARCHERY	2+0+0	Elective	2
SEC 101.7	BOXING, KARATE AND TAEKWONDO	2+0+0	Elective	2
SEC 101.8	FOOTBALL	2+0+0	Elective	2
SEC 101.9	VOLLEYBALL	2+0+0	Elective	2
2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEE 102	PHYSICS II	3+0+1	Compulsory	5
EEE 104	MATHEMATICS II	4+0+0	Compulsory	5
EEE 106	TECHNICAL DRAWING	1+2+0	Compulsory	5
EEE 108	INTRODUCTION TO ELECTRICAL AND ELECTRONICS ENGINEERING	2+0+0	Compulsory	6
EEE 110	LINEAR ALGEBRA	3+0+0	Compulsory	5

YDE 102	FOREIGN LANGUAGE II	3+0+0	Compulsory	4
			<b>Total ECTS</b>	<b>30</b>

### 3.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ATA 101	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I	2+0+0	Compulsory	2
EEE 201	DIFFERENTIAL EQUATIONS	4+0+0	Compulsory	5
EEE 203	NUMERICAL METHODS	3+0+0	Compulsory	5
EEE 205	CIRCUIT THEORY I	4+0+0	Compulsory	6
EEE 207	ELECTRICAL CIRCUITS LABORATORY	0+0+4	Compulsory	5
EEE 209	ELECTRICAL ENGINEERING MATERIALS	3+0+0	Compulsory	5
FOR2GÜZ	FOR2GÜZ	0+0+0	Elective	0
SEC 201	ELECTIVE COURSE II	2+0+0	Elective	2
			<b>Total ECTS</b>	<b>30</b>

#### Course Groups

FOR 201	EDUCATION	3+0+0	Elective	4
FOR 203	TEACHING PRINCIPLES AND METHODS	3+0+0	Elective	4
SEC 201.1	HISTORY OF ART	2+0+0	Elective	2
SEC 201.10	BASKETBALL	2+0+0	Elective	2
SEC 201.11	TENNIS	2+0+0	Elective	2
SEC 201.12	TABLE TENNIS	2+0+0	Elective	2
SEC 201.13	FOLK DANCE	2+0+0	Elective	2
SEC 201.14	MUSIC CULTURE	2+0+0	Elective	2
SEC 201.15	ARTS&PAINTING	2+0+0	Elective	2
SEC 201.16	THEATRE AND CINEMA	2+0+0	Elective	2
SEC 201.17	HEALTHY LIVING	2+0+0	Elective	2
SEC 201.18	NUTRITION	2+0+0	Elective	2
SEC 201.19	MEDIA LITERACY	2+0+0	Elective	2
SEC 201.2	HISTORY AND PHILOSOPHY OF SCIENCE	2+0+0	Elective	2
SEC 201.20	MATHEMATICAL ESTHETICS	2+0+0	Elective	2
SEC 201.21	INDUSTRIAL DESIGN	2+0+0	Elective	2
SEC 201.22	BASIC PHOTOGRAPHY	2+0+0	Elective	2
SEC 201.23	SURFING	2+0+0	Elective	2
SEC 201.24	JAPANESE I	2+0+0	Elective	2
SEC 201.25	JAPANESE II	2+0+0	Elective	2
SEC 201.26	MYTHOLOGY	2+0+0	Elective	2
SEC 201.27	ANCIENT CITY	2+0+0	Elective	2
SEC 201.28	SOCIOLOGY	2+0+0	Elective	2
SEC 201.29	PHILOSOPHY	2+0+0	Elective	2
SEC 201.3	DISASTER AWARENESS	2+0+0	Elective	2
SEC 201.30	ANCIENT DNA: HISTORY OF THE PAST	2+0+0	Elective	2
SEC 201.31	GENETIC HERITAGE	2+0+0	Elective	2
SEC 201.32	MODERN GENETIC APPLICATIONS: GENE CLONING	2+0+0	Elective	2
SEC 201.33	FOOD AND FOOD CULTURE	2+0+0	Elective	2
SEC 201.34	DIET AND HEALTH	2+0+0	Elective	2
SEC 201.35	TRADITIONAL FOODS	2+0+0	Elective	2
SEC 201.36	ORGANIC AGRICULTURE	2+0+0	Elective	2
SEC 201.37	INTRODUCTION TO INFORMATION TECHNOLOGIES & APP.S	2+0+0	Elective	2
SEC 201.38	CIRCUIT DESIGN TOOLS I	2+0+0	Elective	2
SEC 201.39	CIRCUIT DESIGN TOOLS II	2+0+0	Elective	2
SEC 201.4	ELOQUENT SPEECH	2+0+0	Elective	2
SEC 201.40	HISTORY OF CIRCUITS AND SYSTEMS	2+0+0	Elective	2
SEC 201.41	COMPUTER AIDED PCB DESIGN	2+0+0	Elective	2
SEC 201.6	ARCHERY	2+0+0	Elective	2
SEC 201.7	BOXING, KARATE AND TAEKWONDO	2+0+0	Elective	2
SEC 201.8	FOOTBALL	2+0+0	Elective	2
SEC 201.9	VOLLEYBALL	2+0+0	Elective	2

### 4.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ATA 102	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II	2+0+0	Compulsory	2
EEE 202	CIRCUIT THEORY II	4+0+0	Compulsory	6
EEE 204	SEMICONDUCTOR DEVICES AND MODELLING	3+0+0	Compulsory	5
EEE 206	ELECTRONIC CIRCUITS LABORATORY	0+0+4	Compulsory	4
EEE 208	ELECTROMAGNETIC FIELDS THEORY	4+0+0	Compulsory	6
EEE 210	PROBABILITY AND STATISTICS	3+0+0	Compulsory	5
FOR2BAHAR	FOR2BAHAR	0+0+0	Elective	0
SEC 202	ELECTIVE COURSE III	2+0+0	Elective	2
			<b>Total ECTS</b>	<b>30</b>

Course Groups				
FOR 202	CLASS MANAGEMENT	2+0+0	Elective	3
FOR 204	SPECIAL TEACHING METHODS	3+0+0	Elective	4
SEC 202.1	HISTORY OF ART	2+0+0	Elective	2
SEC 202.10	BASKETBALL	2+0+0	Elective	2
SEC 202.11	TENNIS	2+0+0	Elective	2
SEC 202.12	TABLE TENNIS	2+0+0	Elective	2
SEC 202.13	FOLK DANCE	2+0+0	Elective	2
SEC 202.14	MUSIC CULTURE	2+0+0	Elective	2
SEC 202.15	ARTS&PAINTING	2+0+0	Elective	2
SEC 202.16	THEATRE AND CINEMA	2+0+0	Elective	2
SEC 202.17	HEALTHY LIVING	2+0+0	Elective	2
SEC 202.18	NUTRITION	2+0+0	Elective	2
SEC 202.19	MEDIA LITERACY	2+0+0	Elective	2
SEC 202.2	HISTORY AND PHILOSOPHY OF SCIENCE	2+0+0	Elective	2
SEC 202.20	MATHEMATICAL ESTHETICS	2+0+0	Elective	2
SEC 202.21	INDUSTRIAL DESIGN	2+0+0	Elective	2
SEC 202.22	BASIC PHOTOGRAPHY	2+0+0	Elective	2
SEC 202.23	SURFING	2+0+0	Elective	2
SEC 202.24	JAPANESE I	2+0+0	Elective	2
SEC 202.25	JAPANESE II	2+0+0	Elective	2
SEC 202.26	MYTHOLOGY	2+0+0	Elective	2
SEC 202.27	ANCIENT CITY	2+0+0	Elective	2
SEC 202.28	SOCIOLOGY	2+0+0	Elective	2
SEC 202.29	PHILOSOPHY	2+0+0	Elective	2
SEC 202.3	DISASTER AWARENESS	2+0+0	Elective	2
SEC 202.30	ANCIENT DNA: HISTORY OF THE PAST	2+0+0	Elective	2
SEC 202.31	GENETIC HERITAGE	2+0+0	Elective	2
SEC 202.32	MODERN GENETIC APPLICATIONS: GENE CLONING	2+0+0	Elective	2
SEC 202.33	FOOD AND FOOD CULTURE	2+0+0	Elective	2
SEC 202.34	DIET AND HEALTH	2+0+0	Elective	2
SEC 202.35	TRADITIONAL FOODS	2+0+0	Elective	2
SEC 202.36	ORGANIC AGRICULTURE	2+0+0	Elective	2
SEC 202.37	INTRODUCTION TO INFORMATION TECHNOLOGIES & APP.S	2+0+0	Elective	2
SEC 202.38	CIRCUIT DESIGN TOOLS I	2+0+0	Elective	2
SEC 202.39	CIRCUIT DESIGN TOOLS II	2+0+0	Elective	2
SEC 202.4	ELOQUENT SPEECH	2+0+0	Elective	2
SEC 202.40	HISTORY OF CIRCUITS AND SYSTEMS	2+0+0	Elective	2
SEC 202.41	COMPUTER AIDED PCB DESIGN	2+0+0	Elective	2
SEC 202.6	ARCHERY	2+0+0	Elective	2
SEC 202.7	BOXING, KARATE AND TAEKWONDO	2+0+0	Elective	2
SEC 202.8	FOOTBALL	2+0+0	Elective	2
SEC 202.9	VOLLEYBALL	2+0+0	Elective	2

5.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEE 300	SUMMER PRACTICE I	0+0+0	Compulsory	2
EEE 301	SIGNALS AND SYSTEMS I	4+0+0	Compulsory	6
EEE 303	ELECTROMAGNETIC WAVES	4+0+0	Compulsory	6
EEE 305	ANALOG ELECTRONICS I	4+0+0	Compulsory	5
EEE 307	ANALOG ELECTRONICS LABORATORY	0+0+4	Compulsory	3
EEE 309	ELECTROMECHANICAL ENERGY CONVERSION I	4+0+2	Compulsory	6
TDB 101	TURKISH LANGUAGE I	2+0+0	Compulsory	2
FOR3GÜZ	FOR3GÜZ	0+0+0	Elective	0
SEC 301	ELECTIVE COURSE IV	2+0+0	Elective	2

**Total ECTS 32**

Course Groups				
FOR 301	GUIDANCE AND SPECIAL EDUCATION	3+0+0	Elective	4
FOR 303	ASSESSMENT AND EVALUATION IN EDUCATION	3+0+0	Elective	4
SEC 301.1	HISTORY OF ART	2+0+0	Elective	2
SEC 301.10	BASKETBALL	2+0+0	Elective	2
SEC 301.11	TENNIS	2+0+0	Elective	2
SEC 301.12	TABLE TENNIS	2+0+0	Elective	2
SEC 301.13	FOLK DANCES	2+0+0	Elective	2
SEC 301.14	MUSIC CULTURE	2+0+0	Elective	2
SEC 301.15	ARTS&PAINTING	2+0+0	Elective	2
SEC 301.16	THEATRE AND CINEMA	2+0+0	Elective	2
SEC 301.17	HEALTHY LIVING	2+0+0	Elective	2
SEC 301.18	NUTRITION	2+0+0	Elective	2

SEC 301.19	MEDIA LITERACY	2+0+0	Elective	2
SEC 301.2	HISTORY AND PHILOSOPHY OF SCIENCE	2+0+0	Elective	2
SEC 301.20	MATHEMATICAL ESTHETICS	2+0+0	Elective	2
SEC 301.21	INDUSTRIAL DESIGN	2+0+0	Elective	2
SEC 301.22	BASIC PHOTOGRAPHY	2+0+0	Elective	2
SEC 301.23	SURFING	2+0+0	Elective	2
SEC 301.24	JAPANESE I	2+0+0	Elective	2
SEC 301.25	JAPANESE II	2+0+0	Elective	2
SEC 301.26	MYTHOLOGY	2+0+0	Elective	2
SEC 301.27	ANCIENT CITY	2+0+0	Elective	2
SEC 301.28	SOCIOLOGY	2+0+0	Elective	2
SEC 301.29	PHILOSOPHY	2+0+0	Elective	2
SEC 301.3	DISASTER AWARENESS	2+0+0	Elective	2
SEC 301.30	ANCIENT DNA: HISTORY OF THE PAST	2+0+0	Elective	2
SEC 301.31	GENETIC HERITAGE	2+0+0	Elective	2
SEC 301.32	MODERN GENETIC APPLICATIONS: GENE CLONING	2+0+0	Elective	2
SEC 301.33	FOOD AND FOOD CULTURE	2+0+0	Elective	2
SEC 301.34	DIET AND HEALTH	2+0+0	Elective	2
SEC 301.35	TRADITIONAL FOODS	2+0+0	Elective	2
SEC 301.36	ORGANIC AGRICULTURE	2+0+0	Elective	2
SEC 301.37	INTRODUCTION TO INFORMATION TECHNOLOGIES & APP.S	2+0+0	Elective	2
SEC 301.38	CIRCUIT DESIGN TOOLS I	2+0+0	Elective	2
SEC 301.39	CIRCUIT DESIGN TOOLS II	2+0+0	Elective	2
SEC 301.4	ELOQUENT SPEECH	2+0+0	Elective	2
SEC 301.40	HISTORY OF CIRCUITS AND SYSTEMS	2+0+0	Elective	2
SEC 301.41	COMPUTER AIDED PCB DESIGN	2+0+0	Elective	2
SEC 301.5	BASIC FIRST AID AND EMERGENCY	2+0+0	Elective	2
SEC 301.6	ARCHERY	2+0+0	Elective	2
SEC 301.7	BOXING, KARATE AND TAEKWONDO	2+0+0	Elective	2
SEC 301.8	FOOTBALL	2+0+0	Elective	2
SEC 301.9	VOLLEYBALL	2+0+0	Elective	2

#### 6.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEE 302	FEEDBACK SYSTEMS	3+0+0	Compulsory	5
EEE 304	INTRODUCTION TO LOGIC DESIGN	3+0+0	Compulsory	6
EEE 306	DIGITAL ELECTRONICS LABORATORY	0+0+4	Compulsory	3
TDB 102	TURKISH LANGUAGE II	2+0+0	Compulsory	2
SEC 302	TECHNICAL ELECTIVE COURSE I	3+0+0	Compulsory	6
SEC 304	TECHNICAL ELECTIVE COURSE II	3+0+0	Compulsory	6
FOR3BAHAR	FOR3BAHAR	0+0+0	Elective	0
SEC 306	ELECTIVE COURSE V	2+0+0	Elective	2
<b>Total ECTS</b>				<b>30</b>
<b>Course Groups</b>				
FOR 302	EDUCATION PSYCHOLOGY	3+0+0	Elective	4
FOR 304	TEACHING TECHNOLOGIES	2+0+0	Elective	3
SEC 301.40	HISTORY OF CIRCUITS AND SYSTEMS	2+0+0	Elective	2
SEC 302.1	SIGNALS AND SYSTEMS II	3+0+0	Compulsory	6
SEC 302.2	DIGITAL ELECTRONICS	3+0+0	Compulsory	6
SEC 304.1	ELECTROMECHANICAL ENERGY CONVERSION II	3+0+0	Elective	6
SEC 304.2	ELECTRICAL EQUIPMENT AND APPLICATIONS	3+0+0	Elective	6
SEC 304.3	ANALOG ELECTRONICS II	3+0+0	Elective	6
SEC 306.1	HISTORY OF ART	2+0+0	Elective	2
SEC 306.10	BASKETBALL	2+0+0	Elective	2
SEC 306.11	TENNIS	2+0+0	Elective	2
SEC 306.12	TABLE TENNIS	2+0+0	Elective	2
SEC 306.13	FOLK DANCE	2+0+0	Elective	2
SEC 306.14	MUSIC CULTURE	2+0+0	Elective	2
SEC 306.15	ARTS&PAINTING	2+0+0	Elective	2
SEC 306.16	THEATRE AND CINEMA	2+0+0	Elective	2
SEC 306.17	HEALTHY LIVING	2+0+0	Elective	2
SEC 306.18	NUTRITION	2+0+0	Elective	2
SEC 306.19	MEDIA LITERACY	2+0+0	Elective	2
SEC 306.2	HISTORY AND PHILOSOPHY OF SCIENCE	2+0+0	Elective	2
SEC 306.20	MATHEMATICAL ESTHETICS	2+0+0	Elective	2
SEC 306.21	INDUSTRIAL DESIGN	2+0+0	Elective	2
SEC 306.22	BASIC PHOTOGRAPHY	2+0+0	Elective	2
SEC 306.23	SURFING	2+0+0	Elective	2
SEC 306.24	JAPANESE I	2+0+0	Elective	2

SEC 306.25	JAPANESE II	2+0+0	Elective	2
SEC 306.26	MYTHOLOGY	2+0+0	Elective	2
SEC 306.27	ANCIENT CITY	2+0+0	Elective	2
SEC 306.28	SOCIOLOGY	2+0+0	Elective	2
SEC 306.29	PHILOSOPHY	2+0+0	Elective	2
SEC 306.3	DISASTER AWARENESS	2+0+0	Elective	2
SEC 306.30	ANCIENT DNA: HISTORY OF THE PAST	2+0+0	Elective	2
SEC 306.31	GENETIC HERITAGE	2+0+0	Elective	2
SEC 306.32	MODERN GENETIC APPLICATIONS: GENE CLONING	2+0+0	Elective	2
SEC 306.33	FOOD AND FOOD CULTURE	2+0+0	Elective	2
SEC 306.34	DIET AND HEALTH	2+0+0	Elective	2
SEC 306.35	TRADITIONAL FOODS	2+0+0	Elective	2
SEC 306.36	ORGANIC AGRICULTURE	2+0+0	Elective	2
SEC 306.37	INTRODUCTION TO INFORMATION TECHNOLOGIES & APP.S	2+0+0	Elective	2
SEC 306.38	CIRCUIT DESIGN TOOLS I	2+0+0	Elective	2
SEC 306.39	CIRCUIT DESIGN TOOLS II	2+0+0	Elective	2
SEC 306.4	ELOQUENT SPEECH	2+0+0	Elective	2
SEC 306.40	HISTORY OF CIRCUITS AND SYSTEMS	2+0+0	Elective	2
SEC 306.41	COMPUTER AIDED PCB DESIGN	2+0+0	Elective	2
SEC 306.6	ARCHERY	2+0+0	Elective	2
SEC 306.7	BOXING, KARATE AND TAEKWONDO	2+0+0	Elective	2
SEC 306.8	FOOTBALL	2+0+0	Elective	2
SEC 306.9	VOLLEYBALL	2+0+0	Elective	2

### 7.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEE 400	SUMMER PRACTICE II	0+0+0	Compulsory	3
EEE 401	ELECTRICAL ENGINEERING DESIGN	0+3+0	Compulsory	6
EEE 403	RENEWABLE ENERGY SOURCES	2+0+0	Compulsory	4
ISG 401	OCCUPATIONAL HEALTH AND SAFETY I	2+0+0	Compulsory	2
FOR4GÜZ	FOR4GÜZ	0+0+0	Elective	0
SEC 401	TECHNICAL ELECTIVE COURSE III	3+0+0	Elective	18
			<b>Total ECTS</b>	<b>33</b>
<b>Course Groups</b>				
FOR 401G	TEACHING PRACTICE	1+8+0	Elective	10
SEC 401.1	INTRODUCTION TO MEDICAL IMAGING	3+0+0	Elective	6
SEC 401.10	INTRODUCTION TO MICROPROCESSORS	3+0+0	Elective	6
SEC 401.11	PROGRAMMING LANGUAGES	3+0+0	Elective	6
SEC 401.12	INTRODUCTION TO EMBEDDED SYSTEMS DESIGN	3+0+0	Elective	6
SEC 401.13	FUNDAMENTALS OF MACHINE LEARNING	3+0+0	Elective	6
SEC 401.14	MICROPROCESSOR INTERFACING SYSTEMS	3+0+0	Elective	6
SEC 401.15	COMPUTER NETWORKS	3+0+0	Elective	6
SEC 401.16	DATABASE PROGRAMMING FOR INTERNET APPLICATIONS	3+0+0	Elective	6
SEC 401.17	INTRODUCTION TO INTERNET OF THINGS	3+0+0	Elective	6
SEC 401.18	DISCRETE TIME SYSTEMS	3+0+0	Elective	6
SEC 401.19	LABORATORY OF FEEDBACK CONTROL SYSTEMS	3+0+0	Elective	6
SEC 401.2	BIOMEDICAL SIGNALS, INSTRUMENTATION AND MEASUREMENT	3+0+0	Elective	6
SEC 401.20	PROCESS CONTROL	3+0+0	Elective	6
SEC 401.21	INTRODUCTION TO VLSI DESIGN	3+0+0	Elective	6
SEC 401.22	INTRODUCTION TO ANALOG INTEGRATED CIRCUITS	3+0+0	Elective	6
SEC 401.23	SOLID STATE DEVICES	3+0+0	Elective	6
SEC 401.24	COMPUTER-AIDED DESIGN AND ANALYSIS OF ELECTRONIC CIRCUITS	3+0+0	Elective	6
SEC 401.25	PROGRAMMABLE LOGIC CONTROLLERS	3+0+0	Elective	6
SEC 401.26	OPTICS AND PHOTONICS SYSTEMS	3+0+0	Elective	6
SEC 401.27	ANTENNAS AND PROPAGATION	3+0+0	Elective	6
SEC 401.28	MICROWAVES I	3+0+0	Elective	6
SEC 401.29	MICROWAVES II	3+0+0	Elective	6
SEC 401.3	DIGITAL SIGNAL PROCESSING	3+0+0	Elective	6
SEC 401.30	REAL-TIME APPLICATIONS OF DIGITAL SIGNAL PROCESSING	3+0+0	Elective	6
SEC 401.31	SPECIAL TOPICS: VECTOR SPACE METHODS IN SIGNAL PROCESSING	3+0+0	Elective	6
SEC 401.32	POWER SYSTEM ANALYSIS I	3+0+0	Elective	6
SEC 401.33	POWER SYSTEM ANALYSIS II	3+0+0	Elective	6
SEC 401.34	DISTRIBUTION SYSTEMS	3+0+0	Elective	6
SEC 401.35	HIGH VOLTAGE TECHNIQUES	3+0+0	Elective	6
SEC 401.36	UTILIZATION OF ELECTRICAL ENERGY	3+0+0	Elective	6
SEC 401.37	STATIC POWER CONVERSION I	3+0+0	Elective	6
SEC 401.38	STATIC POWER CONVERSION II	3+0+0	Elective	6
SEC 401.39	POWER ELECTRONICS I	3+0+0	Elective	6
SEC 401.4	COMMUNICATIONS I	3+0+0	Elective	6

SEC 401.40	POWER ELECTRONICS II	3+0+0	Elective	6
SEC 401.41	INTRODUCTION TO HYBRID AND ELECTRIC VEHICLES	3+0+0	Elective	6
SEC 401.42	LIGHTING TECHNIQUES	3+0+0	Elective	6
SEC 401.5	COMMUNICATIONS II	3+0+0	Elective	6
SEC 401.6	INTEGRATED COMMUNICATION SYSTEMS	3+0+0	Elective	6
SEC 401.7	DATA STRUCTURES	3+0+0	Elective	6
SEC 401.8	COMPUTER ARCHITECTURE I	3+0+0	Elective	6
SEC 401.9	COMPUTER ARCHITECTURE II	3+0+0	Elective	6

#### 8.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEE 402	GRADUATION THESIS	0+2+0	Compulsory	8
EEE 404	PRINCIPLES OF ECONOMICS	2+0+0	Compulsory	3
ISG 402	OCCUPATIONAL HEALTH AND SAFETY II	1+0+0	Compulsory	1
SEC 402	ELECTIVE COURSE IV	3+0+0	Compulsory	18
FOR4BAHAR	FOR4BAHAR	0+0+0	Elective	0
			<b>Total ECTS</b>	<b>30</b>
<b>Course Groups</b>				
FOR 401B	TEACHING PRACTICE	1+8+0	Elective	10
SEC 402.1	INTRODUCTION TO MEDICAL IMAGING	3+0+0	Elective	6
SEC 402.10	INTRODUCTION TO MICROPROCESSORS	3+0+0	Elective	6
SEC 402.11	PROGRAMMING LANGUAGES	3+0+0	Elective	6
SEC 402.12	INTRODCUTION TO EMBEDDED SYSTEMS DESIGN	3+0+0	Elective	6
SEC 402.13	FUNDAMENTALS OF MACHINE LEARNING	3+0+0	Elective	6
SEC 402.14	MICROPROCESSOR INTERFACING SYSTEMS	3+0+0	Elective	6
SEC 402.15	COMPUTER NETWORKS	3+0+0	Elective	6
SEC 402.16	DATABASE PROGRAMMING FOR INTERNET APPLICATIONS	3+0+0	Elective	6
SEC 402.17	INTRODUCTION TO INTERNET OF THINGS	3+0+0	Elective	6
SEC 402.18	DSICRETE TIME SYSTEMS	3+0+0	Elective	6
SEC 402.19	LABORATORY OF FEEDBACK CONTROL SYSTEMS	3+0+0	Elective	6
SEC 402.2	BIOMEDICAL SIGNALS, INSTRUMENTATION AND MEASUREMENT	3+0+0	Elective	6
SEC 402.20	PROCESS CONTROL	3+0+0	Elective	6
SEC 402.21	INTRODUCTION TO VLSI DESIGN	3+0+0	Elective	6
SEC 402.22	INTRODCUTION TO ANALOG INTEGRATED CIRCUITS	3+0+0	Elective	6
SEC 402.23	SOLID STATE DEVICES	3+0+0	Elective	6
SEC 402.24	COMPUTER-AIDED DESIGN AND ANALYSIS OF ELECTRONIC CIRCUITS	3+0+0	Elective	6
SEC 402.25	PROGRAMMABLE LOGIC CONTROLLERS	3+0+0	Elective	6
SEC 402.26	OPTICS AND PHOTONICS SYSTEMS	3+0+0	Elective	6
SEC 402.27	ANTENNAS AND PROPAGATION	3+0+0	Elective	6
SEC 402.28	MICROWAVES I	3+0+0	Elective	6
SEC 402.29	MICROWAVES II	3+0+0	Elective	6
SEC 402.3	DIGITAL SIGNAL PROCESSING	3+0+0	Elective	6
SEC 402.30	REAL-TIME APPLICATIONS OF DIGITAL SIGNAL PROCESSING	3+0+0	Elective	6
SEC 402.31	SPECIAL TOPICS: VECTOR SPACE METHODS IN SIGNAL PROCESSING	3+0+0	Elective	6
SEC 402.32	POWER SYSTEM ANALYSIS I	3+0+0	Elective	6
SEC 402.33	POWER SYSTEM ANALYSIS II	3+0+0	Elective	6
SEC 402.34	DISTRIBUTION SYSTEMS	3+0+0	Elective	6
SEC 402.35	HIGH VOLTAGE TECHNIQUES	3+0+0	Elective	6
SEC 402.36	UTILIZATION OF ELECTRICAL ENERGY	3+0+0	Elective	6
SEC 402.37	STATIC POWER CONVERSION I	3+0+0	Elective	6
SEC 402.38	STATIC POWER CONVERSION II	3+0+0	Elective	6
SEC 402.39	POWER ELECTRONICS I	3+0+0	Elective	6
SEC 402.4	COMMUNICATIONS I	3+0+0	Elective	6
SEC 402.40	POWER ELECTRONICS II	3+0+0	Elective	6
SEC 402.41	INTRODUCTION TO HYBRID AND ELECTRIC VEHICLES	3+0+0	Elective	6
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SEC 402.9	COMPUTER ARCHITECTURE II	3+0+0	Elective	6