

BALIKESIR UNIVERSITY
BALIKESIR VOCATIONAL SCHOOL
DEPARTMENT OF ELECTRICITY AND ENERGY
ELECTRICITY PROGRAM
2024-2025 ACADEMIC YEAR COURSE PLAN

1st YEAR 1st SEMESTER								1st YEAR 2nd SEMESTER							
<u>COURSE CODE</u>	<u>COURSE</u>	<u>Category</u>	<u>I</u>	<u>A</u>	<u>L</u>	<u>C</u>	<u>ECTS</u>	<u>COURSE CODE</u>	<u>COURSE</u>	<u>Category</u>	<u>I</u>	<u>A</u>	<u>L</u>	<u>C</u>	<u>ECTS</u>
ELE1115	Vocational Math-I	C	2	1		2,5	3	ELE1214	Vocational Math-II	C	1	1		1,5	2
ELE1110	Electrical and Electronically Measuring Technique	V	3	1		3,5	4	ELE1205	Computer Support Design-I	V	1	1		1,5	2
ELE1103	Direct Current Circuit Analysis	V	4	0		4	4	ELE1209	Electrical Machines-I	V	2	1		2,5	3
ELE1114	Basic Electronics	V	3	1		3,5	3	ELE1213	Alternating Current Circuit Analysis	V	4	0		4	4
ELE1116	Installation Log	V	3	1		3,5	3	ELE1215	Electrical Installation Plans	V	3	1		3,5	3
ELE1113	Electric Energy Plants	V	3	0		3	3	ELE1211	Electrical Network Facilities	V	3	0		3	3
TOTAL			18	4		20	20	KRY1201	Career Planning	C	1	0		1	2
								ELE1212	Electricity Transmission and Distribution	V	4	0		4	3
									ELECTIVE COURSES-1	O	0	0		0	8
								TOTAL			19	4		21	30

AIT1101	Ataturk's Principals and History of Revolution-I	C	2	0		2	2	AIT1201	Ataturk's Principals and History of Revolution-II	C	2	0		2	2
TDI1101	Turkish Language-I	C	2	0		2	2	TDI1201	Turkish Language-II	C	2	0		2	2
YDI1101	English-I	C	2	0		2	2	YDI1201	English-II	C	2	0		2	2
TOTAL CREDİTS			6	0		6	6	TOTAL CREDİTS			25	4		27	36

1st YEAR 2nd SEMESTER ELECTIVE COURSES							
STJ1201	Internship	O	0	0		0	8
STJ1202	Field Applications	O	0	0		0	8

2nd YEAR 1st SEMESTER								2nd YEAR 2nd SEMESTER							
<u>COURSE CODE</u>	<u>COURSE</u>	<u>Category</u>	<u>I</u>	<u>A</u>	<u>L</u>	<u>C</u>	<u>ECTS</u>	<u>COURSE CODE</u>	<u>COURSE</u>	<u>Category</u>	<u>I</u>	<u>A</u>	<u>L</u>	<u>C</u>	<u>ECTS</u>
ELE2118	Electrical Machines-II	V	3	1		3,5	5	ELE2224	Contract Discovery and Planning	V	2	2		3	4
ELE2119	Digital Electronics	V	3	1		3,5	5	ELE2214	Systems Analysis and Desing-II	V	0	2		1	1
ELE2120	Computer Support Desing-II	V	1	1		1,5	2	ELE2215	Related Electrical Services and Systems	V	1	1		1,5	3
ELE2110	Electronic Circuit Design	V	1	1		1,5	3	ELE2216	Electrical Machines-III	V	2	0		2	4
ELE2111	Systems Analysis and Design-I	V	0	2		1	1	ELE2217	Plant Manufacture Techniques	V	1	1		1,5	2
	ELECTIVE COURSES-1	O	3	1		3,5	5		ELECTIVE COURSES-1	O	2	2		3	5
	ELECTIVE COURSES-2	O	2	2		3	5		ELECTIVE COURSES-2	O	2	2		3	5
	ELECTIVE COURSES-3	O	2	1		2,5	4		ELECTIVE COURSES-3	O	2	1		2,5	3
TOTAL CREDİTS			15	10		20	30		ELECTIVE COURSES-4	O	2	1		2,5	3
								TOTAL CREDİTS			14	12		20	30

2nd YEAR 1st SEMESTER ELECTIVE COURSES								2nd YEAR 2nd SEMESTER ELECTIVE COURSES							
ELE2112	Electromechanical Control	O	2	2		3	5	ELE2220	Advenced Digital Applications	O	2	2		3	5
ELE2121	Power Electronics	O	3	1		3,5	5	ELE2218	Scada Systems	O	2	1		2,5	3
ELE2114	Energy Management	O	2	1		2,5	4	ELE2219	Home Devices	O	2	2		3	5
ELE2115	Sensors and Transducers	O	2	1		2,5	4	ELE2222	Programmable Controllers	O	2	2		3	5
ELE2116	Electrical Panel Design and Installation	O	2	2		3	5	ELE2223	Special Installation Technique	O	2	1		2,5	3
ELE2117	Electrical Maintenance and Foul Finding	O	2	1		2,5	4	ELE2225	Renewable Energy Systems	O	2	2		3	5

KATEGORY :

V VOCATIONAL
C ELECTION
O OPTIONAL

Prof. Dr. M.Cemal OKUYAN
Elektrik ve Enerji Bölüm Başkanı