

BALIKESIR UNIVERSITY
BALIKESIR VOCATIONAL SCHOOL
DEPARTMENT OF ELECTRONICS AND AUTOMATION
CONTROL AND AUTOMATION TECHNOLOGY PROGRAM
2024-2025 ACADEMIC YEAR COURSE PLAN

1st YEAR 1st SEMESTER								1st YEAR 2nd SEMESTER							
COURSE CODE	COURSE	Category	I	A	L	C	ECTS	COURSE CODE	COURSE	Category	I	A	L	C	ECTS
ENO1101	Mathematics-I	C	2	1		2,5	3	ENO1201	Mathematics-II	C	2	1		2,5	3
KON1101	Mechanism Technique	V	2	1		2,5	3	ENO1202	AC Circuit Analysis	V	3	1		3,5	4
ENO1102	DC Circuit Analysis	V	3	1		3,5	4	ENO1203	Digital Design	V	3	1		3,5	4
ENO1103	Digital Electronics	V	3	1		3,5	4	ENO1204	Electronics-I	V	3	1		3,5	4
ENO1104	Electronic Measuring Technique and Safety	V	3	1		3,5	4	ENO1205	Computer Aided Design-I (CAD-I)	V	2	0		2	3
ENO1105	Algorithm and Programming	V	2	0		2	2	ENO1206	Business and Quality Management	V	2	0		2	2
								KRY1201	Career Planning	C	1	0		1	2
									ELECTIVE COURSES	O	0	0		0	8
TOTAL			15	5		17,5	20	TOTAL			15	4		17	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 CREDITS			21	5		23,5	26	TOTAL CREDITS			21	4		23	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							
COURSE CODE	COURSE	Category	I	A	L	C	ECTS	COURSE CODE	COURSE	Category	I	A	L	C	ECTS
KON2104	Basic Pneumatics	V	2	1		2,5	3	KON2204	Basic Hydraulics	V	2	1		2,5	3
KON2106	Electric Motor Drives and Control Systems	V	2	1		2,5	4	KON2207	Scada Systems	V	3	0		3	3
KON2107	Industrial Networks	V	3	0		3	3	KON2206	Power Electronics	V	3	0		3	3
ENO2105	Computer Aided Design-II (CAD-II)	V	1	1		1,5	3	KON2202	Sensors And Transducers	V	2	1		2,5	3
KON2101	System Analysis And Design-I	V	0	2		1	2	KON2201	System Analysis And Design-II	V	0	2		1	3
	ELECTIVE COURSES-1	O	2	1		2,5	5		ELECTIVE COURSES-1	O	2	1		2,5	5
	ELECTIVE COURSES-2	O	2	1		2,5	5		ELECTIVE COURSES-2	O	2	1		2,5	5
	ELECTIVE COURSES-3	O	2	1		2,5	5		ELECTIVE COURSES-3	O	2	1		2,5	5
TOTAL CREDITS			14	8		18	30	TOTAL CREDITS			16	7		19,5	30

2nd YEAR 1st SEMESTER ELECTIVE COURSES								2nd YEAR 2nd SEMESTER ELECTIVE COURSES							
KNO2103	Process Measurements-I	O	2	1		2,5	5	KON2203	Process Measurements Laboratory	O	2	1		2,5	5
KNO2105	Microcontrollers	O	2	1		2,5	5	KON2205	Programmable Controllers	O	2	1		2,5	5
KON2102	Control Systems	O	2	1		2,5	5	KON2208	Computer Programming	O	2	1		2,5	5
KON2108	Fuzzy Logic	O	2	1		2,5	5	KON2209	Numerical Control Techniques	O	2	1		2,5	5
KON2109	Building Management Systems	O	2	1		2,5	5	KON2210	Industrial Robots	O	2	1		2,5	5

KATEGORY :
V VOCATIONAL
C ELECTION
O OPTIONAL