

BALIKESIR UNIVERSITY
BALIKESIR VOCATIONAL SCHOOL
DEPARTMENT OF ELECTRONICS AND AUTOMATION
CONTROL AND AUTOMATION TECHNOLOGY PROGRAM
2025-2026 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>
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
ENO1133	Digital Electronics	V	3	1		3,5	3	ENO1204	Electronics-I	V	3	1		3,5	4
ENO1134	Electronic Measuring Technique and Safety	V	3	1		3,5	3	ENO1205	Computer Aided Design-I (CAD-I)	V	2	0		2	3
ENO1106	Occupational Health and Safety	V	2	0		2	2	ENO1206	Career Planning	V	1	0		1	2
KON1102	Renewable Energy Sources	V	2	0		2	2	STJ1203	Internship	C	0	0		0	8
TOTAL			17	5		19,5	20	TOTAL			14	4		16	28
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	TDI1101	Turkish Language-II	C	2	0		2	2
YDI1101	English-I	C	2	0		2	2	YDI1101	English-II	C	2	0		2	2
TOTAL CREDITS			23	5		25,5	26	TOTAL CREDITS			20	4		22	34

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>
KON2102	Control Systems	V	2	1		2,5	4	KON2204	Basic Hydraulics	V	2	1		2,5	3
KON2104	Basic Pneumatics	V	2	1		2,5	3	KON2207	Scada Systems	V	2	1		2,5	3
KNO2105	Microcontrollers	V	2	1		2,5	3	KON2205	Programmable Controllers	V	2	1		2,5	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			13	9		17,5	30	TOTAL CREDITS			14	9		18,5	30
2nd YEAR 1st SEMESTER ELECTIVE COURSES								2nd YEAR 1st SEMESTER ELECTIVE COURSES							
KNO2103	Process Measurements	O	2	1		2,5	5	KON2205	Process Measurements Laboratory	O	2	1		2,5	5
KON2107	Industrial Networks	O	2	1		2,5	5	KON2206	Power Electronics	O	2	1		2,5	5
KON2106	Electric Motor Drives and 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
KON2110	Air Conditioning and Cooling Techn	O	2	1		2,5	5	KON2211	Lighting Automation	O	2	1		2,5	5

KATEGORY :

V VOCATIONAL
C ELECTION
O OPTIONAL