

BALIKESIR UNIVERSITY
BALIKESIR VOCATIONAL SCHOOL
DEPARTMENT OF MOTOR VEHICLES AND TRANSPORTATION TECHNOLOGIES
AUTOMOTIVE TECHNOLOGY PROGRAM
2025-2026 ACADEMIC YEAR COURSE PLAN

1st YEAR 1st SEMESTER								1st YEAR 2nd SEMESTER							
COURSE CODE	COURSE	Category	I	P	L	C	ECTS	COURSE CODE	COURSE	Category	I	P	L	C	ECTS
OTO1114	Mathematics-I	V	3	1		3,5	3	OTO1213	Measuring Technique	V	1	1		1,5	2
OTO1108	Engine Technology	V	3	1		3,5	4	OTO1214	Hybrid and Electric Vehicle Technology	V	3	1		3,5	3
OTO1115	Automotive Electrics	V	1	1		1,5	2	OTO1215	Automotive Electronics	V	1	1		1,5	2
OTO1110	Thermodynamics	V	2	1		2,5	2	OTO1219	Material Technology	V	3	1		3,5	3
OTO1118	Research Methods And Techniques	V	0	2		1	2	OTO1216	Technical Drawing	V	2	1		2,5	2
OTO1113	Physics	C	3	1		3,5	4	OTO1217	Entrepreneurship	V	2	0		2	2
OTO1116	Occupational Health and Safety	C	2	0		2	2	OTO1218	Vocational Ethics	V	2	0		2	2
OTO1117	Internal Combustion Engines	V	3	1		3,5	5	KRY1201	Career Planning	C	1	0		1	2
TOTAL			17	8		21	24	STJ1203	Internship	E	0	0		0	8
								TOTAL			15	5		17,5	26

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			23	8		27,0	30	TOTAL CREDITS			21	5		23,5	32

2nd YEAR 1st SEMESTER								2nd YEAR 2nd SEMESTER							
COURSE CODE	COURSE	Category	I	P	L	C	ECTS	COURSE CODE	COURSE	Category	I	P	L	C	ECTS
OTO2122	Driveline	V	2	2		3	3	OTO2230	Vehicle Mechanics	V	3	1		3,5	4
OTO2123	Engine Test and Setting	V	1	2		2	3	OTO2226	Comfort Systems	V	3	1		3,5	3
OTO2128	Machine Elements	V	3	1		3,5	3	OTO2227	Alternative Engines and Fuel Systems	V	3	1		3,5	4
OTO2129	System Analysis and Design-1	V	0	2		1	2	OTO2231	System Analysis and Design-2	V	0	2		1	2
OTO2130	Emission Control and Legislation	V	1	1		1,5	2	OTO2232	Vehicle Inspection	V	2	1		2,5	3
	Elective Courses-1	E	2	2		3	4		Elective Courses-1	E	1	1		1,5	3
	Elective Courses-2	E	1	2		2	3		Elective Courses-2	E	2	1		2,5	4
	Elective Courses-3	E	1	1		1,5	3		Elective Courses-3	E	1	1		1,5	3
	Elective Courses-4	E	2	1		2,5	4		Elective Courses-4	E	1	1		1,5	2
	Elective Courses-5	E	1	1		1,5	3		Elective Courses-5	E	1	1		1,5	2
TOTAL CREDITS			14	15		21,5	30	TOTAL CREDITS			17	11		22,5	30

2nd YEAR 1st SEMESTER ELECTIVE COURSES								2nd YEAR 2nd SEMESTER ELECTIVE COURSES							
OTO2121	Motion Control Systems	E	2	2		3	4	OTO2211	Heating And Cooling Systems	E	1	1		1,5	3
OTO2111	Hydraulic And Pneumatic	E	2	2		3	4	OTO2212	Welding Technology	E	1	1		1,5	3
OTO2112	Computer Aided Drawing	E	1	2		2	3	OTO2213	Complete Repair Methods	E	2	1		2,5	4
OTO2113	Painting Technology	E	1	2		2	3	OTO2214	Trimming Technology	E	2	1		2,5	4
OTO2115	Quality Assurance And Standards	E	1	1		1,5	3	OTO2215	Business Management-II	E	1	1		1,5	3
OTO2116	Damage Detection And Analysis Methods	E	2	1		2,5	4	OTO2218	Quality Management Systems	E	1	1		1,5	2
OTO2117	Information And Communication Technology	E	2	1		2,5	4	OTO2219	Vocational Foreign Language (English)	E	1	1		1,5	2
OTO2133	Business Management-I	E	1	1		1,5	3	OTO2221	Service Efficiency And Profitability	E	1	1		1,5	2
OTO2131	Service Management And Organization	E	1	1		1,5	3	OTO2222	Customer Relations	E	1	1		1,5	2
OTO2132	Zero Waste Waste Management and Recycling	E	1	1		1,5	3	OTO2223	Environment And Conservation	E	1	1		1,5	2

KATEGORY :

C Compulsory
E Elective
V Vocational