

BALIKESIR UNIVERSITY
BALIKESIR VOCATIONAL SCHOOL
DEPARTMENT OF COMPUTER TECHNOLOGY
COMPUTER PROGRAMMING PROGRAM
2025-2026 ACADEMIC YEAR COURSE PLAN

1st YEAR 1st SEMESTER							1st YEAR 2nd SEMESTER						
COURSE CODE	COURSE	Category	T	P	C	ECTS	COURSE CODE	COURSE	Category	T	P	C	ECTS
BDO1113	Mathematics I	C	2	1	2,5	3	BDO1208	Graphics and Animation I	V	2	1	2,5	3
BDO1117	Algorithms and Programming	V	3	1	3,5	4	BDO1228	Database I	V	3	1	3,5	3
BDO1109	Office Software	V	3	1	3,5	4	BDO1222	Data Structures and Programming	V	2	1	2,5	3
BDO1118	Computer Networks	V	2	1	2,5	4	KRY1201	Career Planning	V	1	0	1,0	2
BDO1115	Microcontroller Programming	V	2	1	2,5	3	STJ1203	Internship	C	0	0	0,0	8
BDO1116	Occupational Health and Safety	C	2	0	2,0	2		ELECTIVE COURSE 1	E	2	1	2,5	3
BDO1119	Entrepreneurship	C	2	0	2,0	2		ELECTIVE COURSE 2	E	2	0	2,0	2
BDO1120	Professional Ethics	C	2	0	2,0	2		ELECTIVE COURSE 3	E	2	0	2,0	2
TOTAL			18	5	20,5	24	TOTAL			14	4	16,0	26

AIT1101	Ataturk's Principals and History of Revolution I	C	2	0	2,0	2	AIT1201	Ataturk's Principals and History of Revolution II	C	2	0	2,0	2
TDI1101	Turkish Language I	C	2	0	2,0	2	TDI1201	Turkish Language II	C	2	0	2,0	2
YDI1101	Foreign Language I (English)	C	2	0	2,0	2	YDI1201	Foreign Language II (English)	C	2	0	2,0	2
TOTAL CREDITS			24	5	26,5	30	TOTAL CREDITS			20	4	22,0	32

1st YEAR 2nd SEMESTER ELECTIVE COURSES				
BDO1227	Vocational Mathematics	E	2	1 2,5 3
BDO1212	Web Editor	E	2	1 2,5 3
BDO1213	Web Design Basics	E	2	1 2,5 3
BDO1220	Digital Signal Processing	E	2	1 2,5 3
BDO1221	Computer Hardware	E	2	0 2,0 2
BDO1223	Content Management System	E	2	0 2,0 2
BDO1224	Machine Learning	E	2	0 2,0 2
BDO1225	Software Installation and Management	E	2	0 2,0 2
BDO1226	Research Methods and Techniques	E	2	0 2,0 2

2nd YEAR 1st SEMESTER							2nd YEAR 2nd SEMESTER						
COURSE CODE	COURSE	Category	T	P	C	ECTS	COURSE CODE	COURSE	Category	T	P	C	ECTS
BDO2109	Visual Programming I	V	3	1	3,5	4	BDO2232	Visual Programming II	V	3	1	3,5	4
BDO2117	Internet Programming I	V	3	1	3,5	5	BDO2233	Internet Programming II	V	3	1	3,5	4
BDO2125	Object Oriented Programming I	V	3	1	3,5	5	BDO2234	Object Oriented Programming II	V	3	1	3,5	4
BDO2111	Database II	V	3	1	3,5	4	BDO2235	Artificial Intelligence	V	2	1	2,5	3
	ELECTIVE COURSE 1	E	2	1	2,5	5	BDO2236	Introduction to Software Testing	V	1	1	1,5	2
	ELECTIVE COURSE 2	E	1	1	1,5	3		ELECTIVE COURSE 1	E	1	1	1,5	3
	ELECTIVE COURSE 3	E	1	2	2,0	4		ELECTIVE COURSE 2	E	2	2	3,0	5
TOTAL			16	8	20,0	30		ELECTIVE COURSE 3	E	2	2	3,0	5
							TOTAL			17	10	22,0	30

2nd YEAR 1st SEMESTER ELECTIVE COURSES							2nd YEAR 2nd SEMESTER ELECTIVE COURSES						
BDO2119	Professional Foreign Language I	E	1	1	1,5	3	BDO2220	Professional Foreign Language II	E	1	1	1,5	3
BDO2120	Web Project Management	E	1	1	1,5	3	BDO2213	Quality Management Systems	E	1	1	1,5	3
BDO2122	Optimisation	E	1	1	1,5	3	BDO2215	Business Administration	E	1	1	1,5	3
BDO2113	Server Operating System	E	2	1	2,5	5	BDO2216	Quality Assurance and Standards	E	1	1	1,5	3
BDO2123	Image Processing	E	2	1	2,5	5	BDO2217	System Analysis and Design	E	2	2	3,0	5
BDO2114	Database Management	E	2	1	2,5	5	BDO2218	Visual Programming III	E	2	2	3,0	5
BDO2115	Information and Communication Technology	E	1	2	2,0	4	BDO2222	Computer Vision	E	2	2	3,0	5
BDO2116	Graphics and Animation II	E	1	2	2,0	4	BDO2223	Data Science and Analytics	E	2	2	3,0	5
BDO2126	Multidimensional Modelling and Animation	E	1	2	2,0	4	BDO2224	Internet of Things	E	2	2	3,0	5
							BDO2225	Game Programming	E	2	2	3,0	5
							BDO2226	Cloud Computing and Virtualization	E	2	2	3,0	5
							BDO2227	Mobile Programming	E	2	2	3,0	5
							BDO2228	Virtual Reality	E	2	2	3,0	5
							BDO2229	Network and Information Security	E	2	2	3,0	5
							BDO2230	Advanced Web Application Development	E	2	2	3,0	5

CATEGORY :

C COMPULSORY
V VOCATIONAL
E ELECTIVE