

BALIKESIR UNIVERSITY
BALIKESIR VOCATIONAL SCHOOL
DEPARTMENT OF COMPUTER TECHNOLOGY
COMPUTER PROGRAMMING PROGRAM
2026-2027 ACADEMIC YEAR COURSE PLAN

1st YEAR 1st SEMESTER								Mid-Term Assessment Activities (40%) Other Measurement Activities	
COURSE CODE	COURSE	Category	T	P	L	C	ECTS	Written Exam.	Measurement
BDO1121	Algorithms and Programming	C	3	1	0	3,5	4	20%	Homework:%20
BDO1122	Database I	C	3	1	0	3,5	4	20%	Homework:%20
BDO1123	AI-Powered Office Management	C	3	1	0	3,5	4	20%	Homework:%20
BDO1124	Open Source Operating System	C	2	1	0	2,5	3	40%	
BDO1125	Graphics and Animation I	C	2	1	0	2,5	3	40%	
BDO1126	Vocational Mathematics	C	2	0	0	2,0	2	40%	
BDO1127	Occupational Health and Safety	C	2	0	0	2,0	2	40%	
BDO1128	Professional Ethics	C	2	0	0	2,0	2	40%	
TOTAL			19	5	0	22	24		
AIT1101	Ataturk's Principals and History of	C	2	0	0	2,0	2	40%	
TDI1101	Turkish Language I	C	2	0	0	2,0	2	40%	
YDI1101	Foreign Language I (English)	C	2	0	0	2,0	2	40%	
TOTAL CREDITS			##	5	##	28	30		

1st YEAR 2nd SEMESTER								Mid-Term Assessment Activities (40%) Other Measurement	
COURSE CODE	COURSE	Category	T	P	L	C	ECTS	Written Exam.	Measurement
BDO1229	Internet Programming I	C	3	1	0	3,5	4	20%	Project: %20
BDO1230	Data Structures and Programming	C	2	1	0	2,5	3	20,0%	Homework:%20
KRY1201	Career Planning	C	1	0	0	1,0	2	40%	
	ELECTIVE COURSE 1	E	2	1	0	2,5	3	40%	
	ELECTIVE COURSE 2	E	2	1	0	2,5	3	40%	
	ELECTIVE COURSE 3	E	2	1	0	2,5	3	40%	
	ELECTIVE COURSE 4	E	2	1	0	2,5	3	40%	
	ELECTIVE COURSE 5	E	2	1	0	2,5	3	40%	
TOTAL			16	7	0	19,5	24		
AIT1201	Ataturk's Principals and History of	C	2	0	0	2,0	2	40%	
TDI1201	Turkish Language II	C	2	0	0	2,0	2	40%	
YDI1201	Foreign Language II (English)	C	2	0	0	2,0	2	40%	
TOTAL CREDITS			22	7	0	25,5	30		

1st YEAR 2nd SEMESTER ELECTIVE LESSONS							
BDO1231	Web Design Basics	E	2	1	0	2,5	3
BDO1232	Object Oriented Programming I	E	2	1	0	3,5	3
BDO1233	Visual Programming I	E	2	1	0	2,5	3
BDO1234	Database II	E	2	1	0	2,5	3
BDO1235	Graphics and Animation II	E	2	1	0	2,5	3
BDO1236	Image Processing	E	2	1	0	2,5	3
BDO1237	Digital Signal Processing	E	2	1	0	2,5	3
BDO1238	Computer Hardware	E	2	1	0	2,5	3
BDO1239	Content Management System	E	2	1	0	2,5	3
BDO1240	Machine Learning	E	2	1	0	2,5	3
BDO1241	Modern Software Ecosystem and L	E	2	1	0	2,5	3
BDO1242	Research Methods and Techniques	E	2	1	0	2,5	3
BDO1243	Microcontroller Programming	E	2	1	0	2,5	3
BDO1244	Computer Networks and Security	E	2	1	0	2,5	3

2nd YEAR 1st SEMESTER								Mid-Term Assessment Activities (40%) Other Measurement Activities	
COURSE CODE	COURSE	Category	T	P	L	C	ECTS	Written Exam.	Measurement
BDO2127	Internet Programming II	C	3	1	0	3,5	4	20%	Project: %20
BDO2128	Entrepreneurship	C	2	0	0	2,0	2	40%	
BDO2129	Introduction to Software Testing	C	1	1	0	1,5	3	20%	Homework:%20
BDO2130	Professional Foreign Language	C	2	0	0	2,0	3	40%	
	ELECTIVE COURSE 1	E	2	1	0	2,5	3	40%	
	ELECTIVE COURSE 2	E	2	1	0	2,5	3	40%	
	ELECTIVE COURSE 3	E	2	1	0	2,5	3	40%	
	ELECTIVE COURSE 4	E	2	1	0	2,5	3	40%	
	ELECTIVE COURSE 5	E	2	1	0	2,5	3	40%	
	ELECTIVE COURSE 6	E	2	1	0	2,5	3	40%	
TOTAL			##	7	##	22	30		

2nd YEAR 2nd SEMESTER								Mid-Term Assessment Activities (40%) Other Measurement	
COURSE CODE	COURSE	Category	T	P	L	C	ECTS	Written Exam.	Measurement
BDO2237	Vocational training onsite	C	5	22	0	16,0	30	0	Practice %40
TOTAL			5	22	0	16,0	30		

CATEGORY:
C: Compulsory
E: Elective
T: Theoretical
P: Practical
L: Laboratory

2nd YEAR 1st SEMESTER ELECTIVE LESSONS							
BDO2131	Web Project Management	E	2	1	##	0	3
BDO2132	Object Oriented Programming II	E	2	1	##	0	3
BDO2133	Visual Programming II	E	2	1	##	0	3
BDO2134	Optimisation	E	2	1	##	0	3
BDO2135	Artificial Intelligence	E	2	1	##	0	3
BDO2136	Computer Vision	E	2	1	##	0	3
BDO2137	Information and Communication T	E	2	1	##	0	3
BDO2138	Multidimensional Modelling and A	E	2	1	##	0	3
BDO2139	Game Programming	E	2	1	##	0	3
BDO2140	System Analysis and Design	E	2	1	##	0	3
BDO2141	Server Operating System	E	2	1	##	0	3
BDO2142	Data Science and Analytics	E	2	1	##	0	3
BDO2143	Internet of Things	E	2	1	##	0	3
BDO2144	Database Management	E	2	1	##	0	3
BDO2145	Cloud Computing and Virtualizatio	E	2	1	##	0	3
BDO2146	Mobile Programming	E	2	1	##	0	3
BDO2147	Virtual Reality	E	2	1	##	0	3
BDO2148	Cyber Security	E	2	1	##	0	3
BDO2149	Advanced Web Application Develo	E	2	1	##	0	3
BDO2150	Autonomous Systems and Robot P	E	2	1	##	0	3
BDO2151	Quality Management Systems	E	2	1	##	0	3
BDO2152	Business Administration	E	2	1	##	0	3
BDO2153	Quality Assurance and Standards	E	2	1	##	0	3
BDO2154	Etkili İletişim	E	2	1	##	0	3