

T.C.
FIRAT UNIVERSITY
KARAKOÇAN VOCATIONAL SCHOOL
DEPARTMENT OF COMPUTER TECHNOLOGIES
COMPUTER PROGRAMMING PROGRAM
COURSE PLANS

1ST SEMESTER						2ND SEMESTER					
Course Code	Course Name	T	IN	K	ECTS	Course Code	Course Name	T	IN	K	ECTS
AİT 101	ATATURK'S PRINCIPLES AND HISTORY OF REVOLUTION I	2	0	2	2	AİT102	ATATURK'S PRINCIPLES AND HISTORY OF REVOLUTION II	2	0	2	2
TRD109	TURKISH LANGUAGE I	2	0	2	2	TRD110	TURKISH LANGUAGE II	2	0	2	2
YDİ 107	FOREIGN LANGUAGE I	2	0	2	2	YDİ108	FOREIGN LANGUAGE II	2	0	2	2
MAT101	MATHEMATICS	3	0	3	3	KBT102	VOCATIONAL MATHEMATICS	3	0	3	3
KBT133	ALGORITHM AND PROGRAMMING BASICS - I	2	2	3	6	KBT134	ALGORITHM AND PROGRAMMING BASICS - II	2	2	3	5
KBT135	INTERNET PROGRAMMING -I	2	2	3	5	KBT136	INTERNET PROGRAMMING -II	2	2	3	5
KBT117	COMPUTER HARDWARE	2	0	2	5	KBT148	DATABASE AND MANAGEMENT	2	2	3	5
KBT137	OFFICE SOFTWARE	2	2	3	5		VOCATIONAL ELECTIVE COURSE	2	2	3	4
							SOCIAL ELECTIVE COURSE	2	0	2	2
	TOTAL CREDIT	17	6	20	30		TOTAL CREDIT	19	8	23	30
						Course Code	VOCATIONAL ELECTIVE COURSES	T	IN	K	ECTS
						KBT142	GRAPHICS AND ANIMATION	2	2	3	4
						KBT144	COMPUTER AIDED DESIGN	2	2	3	4
						KBT146	SOFTWARE INSTALLATION AND MANAGEMENT	2	2	3	4
						KBT152	INTERNET OF THINGS	2	2	3	4
						KBT158	BASIC ELECTRONICS	2	2	3	4
						KBT156	IMAGE PROCESSING	2	2	3	4
						KBT150	STATISTICS APPLICATIONS WITH COMPUTER	2	2	3	4
						Course Code	SOCIAL ELECTIVE COURSES	T	IN	K	ECTS
						KBT128	COMMUNICATION	2	0	2	2
						KBT130	PROFESSIONAL ETHICS	2	0	2	2
						KBT132	ENVIRONMENTAL PROTECTION	2	0	2	2
						KBT154	INNOVATION MANAGEMENT	2	0	2	2

3RD SEMESTER						4TH SEMESTER					
<i>Course Code</i>	<i>Course Name</i>	<i>T</i>	<i>IN</i>	<i>K</i>	<i>ECTS</i>	<i>Course Code</i>	<i>Course Name</i>	<i>T</i>	<i>IN</i>	<i>K</i>	<i>ECTS</i>
KBT229	OBJECT BASED PROGRAMMING-I	2	2	3	5	KBT230	OBJECT BASED PROGRAMMING-II	2	2	3	5
KBT265	NETWORKING BASICS -I	2	0	2	4	KBT232	SYSTEM ANALYSIS AND DESIGN	2	2	3	6
SDD201	INTERNSHIP EVALUATION	0	2	1	6	KBT266	NETWORKING BASICS -II	2	0	2	4
KBT251	MOBILE PROGRAMMING-I	2	2	3	5	KBT252	MOBILE PROGRAMMING-II	2	2	3	5
KBT253	E-COMMERCE APPLICATIONS	2	2	3	4	KBT270	DIGITAL TRANSFORMATION	2	2	3	4
	VOCATIONAL ELECTIVE COURSE	2	2	3	4		VOCATIONAL ELECTIVE COURSE	2	2	3	4
	SOCIAL ELECTIVE COURSE	2	0	2	2		SOCIAL ELECTIVE COURSE	2	0	2	2
	TOTAL CREDIT	12	10	17	30		TOTAL CREDIT	14	10	19	30
<i>Course Code</i>	VOCATIONAL ELECTIVE COURSES	<i>T</i>	<i>IN</i>	<i>K</i>	<i>ECTS</i>	<i>Course Code</i>	VOCATIONAL ELECTIVE COURSES	<i>T</i>	<i>IN</i>	<i>K</i>	<i>ECTS</i>
KBT255	VISUAL PROGRAMMING	2	2	3	4	KBT262	OPEN SOURCE OPERATING SYSTEM	2	2	3	4
KBT257	ROBOTIC CODING	2	2	3	4	KBT256	PYTHON PROGRAMMING	2	2	3	4
KBT277	EMBEDDED SYSTEMS	2	2	3	4	KBT258	INDUSTRIAL DESIGN	2	2	3	4
KBT259	GAME PROGRAMMING	2	2	3	4	KBT264	WEB PROJECT MANAGEMENT	2	2	3	4
KBT269	ARTIFICIAL INTELLIGENCE	2	2	3	4	KBT268	MACHINE LEARNING	2	2	3	4
KBT275	ENCRYPTION METHODS	2	2	3	4	KBT260	BIG DATA ANALYSIS	2	2	3	4
KBT273	CYBER SECURITY	2	2	3	4						
KBT271	DATA MINING	2	2	3	4						
KBT279	3D MODELING AND ANIMATION	2	2	3	4						
<i>Course Code</i>	SOCIAL ELECTIVE COURSES	<i>T</i>	<i>IN</i>	<i>K</i>	<i>ECTS</i>	<i>Course Code</i>	SOCIAL ELECTIVE COURSES	<i>T</i>	<i>IN</i>	<i>K</i>	<i>ECTS</i>
KBT243	ENTREPRENEURSHIP	2	0	2	2	KBT244	JOB SECURITY	2	0	2	2
KBT245	QUALITY ASSURANCE SYSTEM	2	0	2	2	KBT246	BUSINESS MANAGEMENT	2	0	2	2
KBT261	CAREER DEVELOPMENT	2	0	2	2	KBT248	VOCATIONAL FOREIGN LANGUAGE-II	2	0	2	2
KBT263	TECHNOLOGY MANAGEMENT	2	0	2	2	KBT272	SOCIAL RESPONSIBILITY	2	0	2	2
KBT241	VOCATIONAL FOREIGN LANGUAGE-I	2	0	2	2	KBT276	LEADERSHIP TRAINING	2	0	2	2
						KBT250	RESEARCH METHODS AND TECHNIQUES	2	0	2	2