VOCATIONAL SCHOOL
DEPARTMENT OF COMPUTER TECHNOLOGY
PROGRAM OF COMPUTER AIDED DESIGN AND ANIMATION
2024-2025 FALL ASSOCIATE DEGREE CURRICULUM (3+1)

ISTANBUL OKAN UNIVERSITY

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Semester 1

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
MMAT105	General Mathematics	3	0	3	5	Compulsory	
MBLP117	Fundamentals of Algorithm and Programming	3	0	3	5	Compulsory	
MBTA101	Basic Art Education	3	0	3	5	Compulsory	
MBTA103	Computer Aided Design Techniques	3	0	3	5	Compulsory	
MBTA105	Computer Aided Animation Techniques	3	0	3	5	Compulsory	
SECGNL1YY	Elective Course I (DEPARTMENTAL ELECTIVE)	3	0	3	5	Elective	
		Total Credit	18		30		

Semester 2

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
MMAT106	Math and Logic	3	0	3	5	Compulsory	
MBLP134	Algorithm Applications	3	0	3	5	Compulsory	
MBTA102	Digital Image Design	3	0	3	5	Compulsory	
MBTA104	Introduction to 2D Animation	3	0	3	5	Compulsory	
MBTA106	Introduction to 3D Animation	3	0	3	5	Compulsory	
SECGNL2YY	Elective Course II (DEPARTMENTAL ELECTIVE)	3	0	3	5	Elective	
		Total Credit	18		30		

Semester 3

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
ATA101	Atatürk Principles and The History of Turkish Revolution I	2	0	2	2	Compulsory	
MING151	Basic English I	3	0	3	4	Compulsory	
MTRD101	Turkish Language I	2	0	2	2	Compulsory	
MBLP247	Occupational Safety in Informatics	0	2	1	1	Compulsory	
KYP001.09	İş Yaşamına Hazırlık	0	2	1	1	Compulsory	
SECGNL3YY	Elective Course III (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
SECGNL3YY	Elective Course IV (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
SECGNL3YY	Elective Course V (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
SECGNL3YY	Elective Course VI (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
		Total Credit	21		30		

Semester 4

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
ATA102	Atatürk Principles and The History of Turkish Revolution II	2	0	2	2	Compulsory	
MING152	Basic English II	3	0	3	4	Compulsory	
MTRD102	Turkish Language II	2	0	2	2	Compulsory	
MBTA202	Profession Project	3	0	3	7	Compulsory	
SECGNL4YY	Elective Course VII (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
SECGNL4YY	Elective Course VIII (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
SECGNL4YY	Elective Course IX (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
		Total Credit	19		30		

Semester 5

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
		Total Credit					

Semester 6

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
		Total Credit					

Semester 7

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
		Total Credit					

Semester 8

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
		Total Credit					

TOTAL CREDIT	76
TOTAL ECTS	120

Abbreviations: T=Weekly hours: theoretical; A=Weekly hours: application; C=Credits in Turkish System; ECTS= European Credit Transfer System

ELECTIVE COURSES

Semester 1

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
	SECOND FOREIGN LANGUAGE						
	DEPARTMENTAL ELECTIVE						
MBLP119	Computer Network Systems	3	0	3	5	Elective	
MBLP121	Operating System	3	0	3	5	Elective	
MBLP123	Website Fundamentals	3	0	3	5	Elective	
MBLP125	Hardware and Software	3	0	3	5	Elective	
MMOT105	Mobile Programming Fundamentals	3	0	3	5	Elective	
	FACULTY ELECTIVE						
	UNIVERSITY ELECTIVE						

Semester 2

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
	SECOND FOREIGN LANGUAGE						
	DEPARTMENTAL ELECTIVE						
MBLP136	Database	3	0	3	5	Elective	
MBLP138	Web Programming Fundamentals	3	0	3	5	Elective	
MBLP140	Office Applications	3	0	3	5	Elective	
MMOT112	Android Basic Programming	3	0	3	5	Elective	
MMOT114	iOS Basic Programming	3	0	3	5	Elective	
	FACULTY ELECTIVE						
	UNIVERSITY ELECTIVE						

Semester 3

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
	SECOND FOREIGN LANGUAGE						
	DEPARTMENTAL ELECTIVE						
MBTA204	Workplace Application	0	18	9	15	Elective	
MBTA201	2D Character and Concept Design	3	0	3	5	Elective	
MBTA203	Motion Graphics and Visual Effects Techniques	3	0	3	5	Elective	
MBTA205	3D Character Animation	3	0	3	5	Elective	
MBTA207	3D Character Design	3	0	3	5	Elective	
MBTA209	Skeletal System in 3D Characters	3	0	3	5	Elective	
MBTA211	Image Processing Techniques	3	0	3	5	Elective	
MBTA213	Stop-Motion Animation	3	0	3	5	Elective	
MBTA206	3D Modeling and Texturing	3	0	3	5	Elective	
MBTA208	Advanced 3D Character Animation	3	0	3	5	Elective	
MBTA210	Computer Aided Industrial Design	3	0	3	5	Elective	
MBTA212	Computer Aided Design Applications	3	0	3	5	Elective	
MBTA214	Computer Aided Animation Applications	3	0	3	5	Elective	
MBTA216	2D Game Design	3	0	3	5	Elective	
MBTA218	3D Game Design	3	0	3	5	Elective	
MBTA220	Mobile Game Design	3	0	3	5	Elective	
MBTA222	Desktop Publishing	3	0	3	5	Elective	
MBLP251	Cyber Security	3	0	3	5	Elective	
MBLP253	Programming with Python	3	0	3	5	Elective	
MBLP255	.NET Programming	3	0	3	5	Elective	
MBLP257	Programming with Java	3	0	3	5	Elective	
MMOT223	Artificial Intelligence	3	0	3	5	Elective	
MBLP263	Disinformation and Perception Management	3	0	3	5	Elective	
	FACULTY ELECTIVE						
MGRS201	Practices Of Entrepreneurship	3	0	3	5	Elective	
MGSA202	Fine Arts	3	0	3	5	Elective	
MMSE201	Occupational Ethics	3	0	3	5	Elective	
MISL223	General Business	3	0	3	5	Elective	
MADL230	Labour Law	3	0	3	5	Elective	
MIKA242	Basics of Effective Communication Techniques	3	0	3	5	Elective	
MBLP241	Computer Literacy	3	0	3	5	Elective	
MING253	English III	3	0	3	5	Elective	
	UNIVERSITY ELECTIVE						

Semester 4

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
	SECOND FOREIGN LANGUAGE						
	DEPARTMENTAL ELECTIVE						
MBTA204	Workplace Application	0	18	9	15	Elective	
MBTA201	2D Character and Concept Design	3	0	3	5	Elective	
MBTA203	Motion Graphics and Visual Effects Techniques	3	0	3	5	Elective	
MBTA205	3D Character Animation	3	0	3	5	Elective	
MBTA207	3D Character Design	3	0	3	5	Elective	
MBTA209	Skeletal System in 3D Characters	3	0	3	5	Elective	
MBTA211	Image Processing Techniques	3	0	3	5	Elective	
MBTA213	Stop-Motion Animation	3	0	3	5	Elective	
MBTA206	3D Modeling and Texturing	3	0	3	5	Elective	
MBTA208	Advanced 3D Character Animation	3	0	3	5	Elective	
MBTA210	Computer Aided Industrial Design	3	0	3	5	Elective	
MBTA212	Computer Aided Design Applications	3	0	3	5	Elective	
MBTA214	Computer Aided Animation Applications	3	0	3	5	Elective	
MBTA216	2D Game Design	3	0	3	5	Elective	
MBTA218	3D Game Design	3	0	3	5	Elective	
MBTA220	Mobile Game Design	3	0	3	5	Elective	
MBTA222	Desktop Publishing	3	0	3	5	Elective	
MBLP251	Cyber Security	3	0	3	5	Elective	
MBLP253	Programming with Python	3	0	3	5	Elective	
MBLP255	.NET Programming	3	0	3	5	Elective	
MBLP257	Programming with Java	3	0	3	5	Elective	
MMOT223	Artificial Intelligence	3	0	3	5	Elective	
MBLP263	Disinformation and Perception Management	3	0	3	5	Elective	
	FACULTY ELECTIVE						
MGRS201	Practices Of Entrepreneurship	3	0	3	5	Elective	
MGSA202	Fine Arts	3	0	3	5	Elective	
MMSE201	Occupational Ethics	3	0	3	5	Elective	
MISL223	General Business	3	0	3	5	Elective	
MADL230	Labour Law	3	0	3	5	Elective	
MIKA242	Basics of Effective Communication Techniques	3	0	3	5	Elective	
MBLP241	Computer Literacy	3	0	3	5	Elective	
MING254	English IV	3	0	3	5	Elective	
	UNIVERSITY ELECTIVE						

Semester 5

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
	SECOND FOREIGN LANGUAGE						
	DEPARTMENTAL ELECTIVE						
	FACULTY ELECTIVE						
	UNIVERSITY ELECTIVE						

Semester 6

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
	SECOND FOREIGN LANGUAGE						
	DEPARTMENTAL ELECTIVE						
	FACULTY ELECTIVE						
	UNIVERSITY ELECTIVE						

Semester 7

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
	SECOND FOREIGN LANGUAGE						
	DEPARTMENTAL ELECTIVE						
	FACULTY ELECTIVE						
	UNIVERSITY ELECTIVE						

Semester 8

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
	SECOND FOREIGN LANGUAGE						
	DEPARTMENTAL ELECTIVE						
	FACULTY ELECTIVE						
	UNIVERSITY ELECTIVE						