

ISTINYE UNIVERSITY
Computer Programming

1st SEMESTER					2nd SEMESTER							
CODE	COURSE	T	P	ECTS	Language of Instruction	CODE	COURSE	T	P	ECTS	Language of Instruction	
ATA101	Ataturk's Principles and History of Turkish Revolution 1	2	0	2	TR/EN	ATA102	Ataturk's Principles and History of Turkish Revolution 2	2	0	2	TR/EN	
BIL101	Basic Programming 1 (Python)	3	1	5	TR	BIL102	Basic Programming 2 (C)	3	1	5	TR	
BIL103	Basic Data Structures and Algorithms 1	3	1	5	TR	BIL104	Basic Data Structures and Algorithms 2	3	1	5	TR	
BIL105	Unix Programming 1	3	1	5	TR	BIL106	Unix Programming 2	3	1	5	TR	
DIL101	General English 1	2	0	2	EN	DIL102	General English 2	2	0	2	EN	
SEG001	Manifest of Istinye 1	0	1	1	TR	SEG002	Manifest of Istinye 2	0	1	1	TR	
TRK101	Turkish Language 1	2	0	2	TR	TRK102	Turkish Language 2	2	0	2	TR	
	Program Elective	3	0	3		BIL281	Internship (Professional Work)	0	10	6	TR	
	University Elective	3	0	5	TR/EN		Program Elective	3	0	3	TR	
TOTAL					22	4	30					
								18	14	31		

3rd SEMESTER										
CODE	COURSE	T	P	ECTS	Language of Instruction					
BIL201	Web Programming 1 (PHP)	2	2	5	TR					
BIL203	Object Oriented Programming (C++)	3	1	5	TR					
BIL205	Database Systems 1	2	2	5	TR					
BIL291	Graduation Project 1	0	5	6	TR					
	Program Elective	3	0	3	TR					
	University Elective	3	0	5	TR/EN					
TOTAL					13	10	29			

4th SEMESTER										
CODE	COURSE	T	P	ECTS	Language of Instruction					
BIL202	Web Programming 2 (JavaScript)	2	2	5	TR					
BIL204	Mobile Programming (Android / IOS)	2	2	5	TR					
BIL206	Database Systems 2	2	2	5	TR					
BIL292	Graduation Project 2	0	5	6	TR					
	University Elective			5	TR/EN					
	Program Elective	3	0	3	TR					
	Program Elective	3	0	3	TR					
TOTAL					12	11	32			

DESCRIPTION
T: Theoric
P: Practice
ECTS: European Credit Transfer System
Language of Instruction: Defines the medium of the course regardless of the language of instruction of the department.

Elective Courses									
CODE	COURSE	T	P	ECTS	Language of Instruction				
BIL002	Digital Electronics	3	0	3	TR				
BIL003	Computer Hardware	3	0	3	TR				
BIL006	Fundamentals of Artificial Intelligence	3	0	3	TR				
BIL004	Discrete Mathematics	3	0	3	TR				
BIL001	Mathematics and Linear Algebra	3	0	3	TR				
BIL007	Graphic Design	3	0	3	TR				
BIL005	Computer Networks	3	0	3	TR				
BIL008	Cryptography Fundamentals (Python)	3	0	3	TR				
BIL009	Paralel Programlamanın Temelleri (C)	3	0	3	TR				
TOTAL									