

DEPARTMENT OF INFORMATION SECURITY TECHNOLOGY

FIRST SEMESTER (FALL)

Code		Courses	Prerequisite	T	U	L	Yeditepe Credit	ECTS
MATH	133	Basic Mathematics	-	3	0	0	3	5
ECON	111	Principles of Microeconomics	-	3	0	0	3	7
AFE	131	Academic English I	-	2	2	0	3	5
CYB	111	Introduction to Cyber Security	-	3	0	0	3	5
ACM	221	System Analysis & Algorithms	-	3	0	0	3	7
		Toplam		14	2	0	15	29

SECOND SEMESTER (SPRING)

Code		Courses	Prerequisite	T	U	L	Yeditepe Credit	ECTS
HUM	103	Humanities	-	2	0	0	2	3
MATH	134	Advanced Mathematics	MATH133	3	0	0	3	5
ACM	222	Structural Programming	ACM221	2	0	2	3	6
ACM	114	Introduction to Computer Science and Programming	-	2	2	0	3	6
ACM	211	Data Structures and Database Applications		3	0	0	3	6
STAT	410	Statistics		3	0	0	3	5
		Toplam		15	2	2	17	31

THIRD SEMESTER (FALL)

Code		Courses	Prerequisite	T	U	L	Yeditepe Credit	ECTS
TKL	201	Turkish Language I		2	0	0	2	2
STAT	411	Advanced Statistics Applications	STAT410	3	0	0	3	5
ACM	361	Networking I		3	0	0	3	4
MATH	221	Linear Algebra		2	2	0	4	6
ACM	369	Operating Systems I		3	0	0	3	6
ACM	212	Advanced Database Applications	ACM211	3	0	0	3	6
		Toplam		16	2	0	18	29

FOURTH SEMESTER (SPRING)

Code		Courses	Prerequisite	T	U	L	Yeditepe Credit	ECTS
TKL	202	Turkish Language II		2	0	0	2	2
ACM	321	Object Oriented Programming	ACM221	2	2	0	3	6
CYB	266	Computational Random Processes	MATH134, STAT410	2	2	0	3	5
ACM	362	Networking II	ACM361	3	0	0	3	6
ACM	364	Database Management Systems	ACM212	3	0	0	3	6
ACM	474	Information Systems Security		3	0	0	3	6
		Toplam		15	4	0	17	31

FIFTH SEMESTER (FALL)

Code		Courses	Prerequisite	T	U	L	Yeditepe Credit	ECTS
HTR	301	History of Turkish Revolutions I		2	0	0	2	2
CYB	303	Cryptology and Cyber Security		3	0	0	3	6
CYB	422	Advanced Computer Organization and Assembly Language		3	0	0	3	6
		Departmental Elective I		3	0	0	3	6
		Departmental Elective II		3	0	0	3	6
		Free Elective I		3	0	0	3	5
		Toplam		17	0	0	17	31

SIXTH SEMESTER (SPRING)								
Code		Courses	Prerequisite	T	U	L	Yeditepe Credit	ECTS
HTR	302	History of Turkish Revolutions II		2	0	0	2	2
ACM	412	Network Prog.	ACM321	3	0	0	3	4
CYB	304	Penetration Tests and Ethical Hacking	CYB303	3	0	0	3	6
CYB	394	Internship in Cyber Security		0	6	0	3	6
		Departmental Elective III		3	0	0	3	6
		Free Elective II		3	0	0	3	5
		Toplam		14	6	0	17	29
SEVENTH SEMESTER (FALL)								
Code		Courses	Prerequisite	T	U	L	Yeditepe Credit	ECTS
ACM	475	Informatics Regulations		3	0	0	3	6
ACM	363	Wireless Networks and Mobile Communication Systems		3	0	0	3	6
		Departmental Elective IV		3	0	0	3	6
		Departmental Elective V		3	0	0	3	6
		Free Elective III		3	0	0	3	5
		Toplam		15	0	0	15	29
EIGHTH SEMESTER (SPRING)								
Code		Courses	Prerequisite	T	U	L	Yeditepe Credit	ECTS
CYB	498	Graduation Project		3	0	0	3	8
CYB	370	Operating Systems Security		3	0	0	3	6
		Free Elective IV		3	0	0	3	5
		Departmental Elective VI		3	0	0	3	6
		Departmental Elective VII		3	0	0	3	6
		Toplam		15	0	0	15	31
		Genel Toplam					131	240
DEPARTMENTAL ELECTIVES (FALL/SPRING)								
Code		Courses	Prerequisite	T	U	L	Yeditepe Credit	ECTS
ACM	262	Introduction to Web Design	-	3	0	0	3	5
ACM	311	Visual Programming I	ACM221	3	0	0	3	6
ACM	312	Management Information Systems		3	0	0	3	6
ACM	331	Concepts of Programming Languages	ACM221	3	0	0	3	6
ACM	365	Advanced Web Design	ACM262	3	0	0	3	6
ACM	366	E-Business		3	0	0	3	6
ACM	368	Web Programming	ACM262	3	0	0	3	6
ACM	373	Scripting Languages		3	0	0	3	6
ACM	411	Ethical and Human side of IT		3	0	0	3	6
ACM	413	Object Oriented Software Development II	ACM222, ACM321	3	0	0	3	6
ACM	414	Virtualization and Introductory Cloud Computing		3	0	0	3	6
ACM	421	Project Management		3	0	0	3	6
ACM	431	Programming Mobile Devices	ACM221	3	0	0	3	6
ACM	432	Enterprise Information Systems		3	0	0	3	6
ACM	437	Internet of Things		3	0	0	3	6
ACM	462	Decision Support Systems		3	0	0	3	6
ACM	465	Artificial Intelligence		3	0	0	3	6
ACM	472	3-D Design and Game Programming		3	0	0	3	6
ACM	476	Data Mining		3	0	0	3	6
AFN	360	Blockchain Applications and Cryptocurrencies		3	0	0	3	6