INFORMATION SECURITY TECHNOLOGY
Faculty of Computer and Information Sciences
YEDITEPE UNIVERSITY
v2025-07-14

Course	Course Name	Prerequisit	T	U	L	Y	A
		Grand Total				127	240
1. SEMESTER (FALL)		Total	13	2	2	15	29
AFE131	Academic English I		2	2	0	3	5
CIS111	Software Development Fundamentals		2	0	2	3	7
CYB111	Introduction to Cyber Security		3	0	0	3	5
ECON111	Principles of Microeconomics		3	0	0	3	7
MATH133	Basic Mathematics		3	0	0	3	5
2. SEMESTER (SPRING)		Total	16	0	2	17	31
ACM212	Advanced Database Applications		3	0	0	3	6
CIS112	Object Oriented Data Structures	CIS111	2	0	2	3	6
CIS116	Object Oriented Software Development	CIS111	3	0	0	3	6
HUM103	Humanities		2	0	0	2	3
MATH134	Advanced Mathematics	MATH133	3	0	0	3	5
STAT410	Statistics		3	0	0	3	5
3. SEMESTER (FALL)		Total	15	2	2	17	29
ACM361	Networking I		3	0	0	3	4
CIS113	Concepts of Programming Languages	CIS111	3	0	0	3	6
CIS114	Algorithms		2	0	2	3	6
MATH221	Linear Algebra		2	2	0	3	6
STAT411	Advanced Statistics Applications	STAT410	3	0	0	3	5
TKL201	Turkish Language I		2	0	0	2	2
4. SEMESTER (SPRING)		Total	16	2	0	17	31
ACM362	Networking II	ACM361	3	0	0	3	6
ACM364	Database Management Systems	ACM212	3	0	0	3	6
ACM369	Operating Systems I		3	0	0	3	6
ACM474	Information Systems Security		3	0	0	3	6
CYB266	Computational Random Processes	MATH134, STAT410	2	2	0	3	5
TKL202	Turkish Language II		2	0	0	2	2
5. SEMESTER (FALL)		Total	17	0	0	17	31
CYB303	Cryptology and Cyber Security		3	0	0	3	6
CYB370	Operating Systems Security	ACM369	3	0	0	3	6
CYB422	Advanced Computer Organization and Assembly Language		3	0	0	3	6
HTR301	History of Turkish Revolution I		2	0	0	2	2
	Elective Department I		3	0	0	3	6
	Elective Free I		3	0	0	3	5
6. SEMESTER (SPRING)		Total	17	0	0	17	29
ACM363	Wireless Networks and Mobile Communication Systems		3	0	0	3	6
ACM412	Network Programming	CIS116	3	0	0	3	4
CYB304	Penetration Tests and Ethical Hacking	ACM369, CYB303	3	0	0	3	6
HTR302	History of Turkish Revolution II		2	0	0	2	2
	Elective Department II		3	0	0	3	6
	Elective Free II		3	0	0	3	5
7. SEMESTER (FALL)		Total	12	0	0	12	28
ACM475	Informatics Regulations		3	0	0	3	6
CYB394	Internship		0	0	0	0	6
	Elective Department III		3	0	0	3	6
	Elective Free III		3	0	0	3	5
	Elective Free IV		3	0	0	3	5
8. SEMESTER (SPRING)		Total	15	0	0	15	32
CYB498	Graduation Project		3	0	0	3	8
	Elective Department IV		3	0	0	3	6
	Elective Department VI		3	0	0	3	6
	Elective Department VII		3	0	0	3	6
	Elective Department VIII		3	0	0	3	6

DEPARTMENTAL ELECTIVE COURSES (FALL/SPRING)							
ACM311	Visual Programming I	CIS111	3	0	0	**3**	**6**
ACM312	Management Information Systems		3	0	0	**3**	**6**
ACM365	Advanced Web Design	ACM262	3	0	0	**3**	**6**
ACM366	E-Business		3	0	0	**3**	**6**
ACM368	Web Programming	ACM262	3	0	0	**3**	**6**
ACM373	Scripting Languages	CIS114	3	0	0	**3**	**6**
ACM411	Ethical and Human Side of IT		3	0	0	**3**	**6**
ACM414	Virtualization and Introductory Cloud Computing		3	0	0	**3**	**6**
ACM421	Project Management		3	0	0	**3**	**6**
ACM431	Programming Mobile Devices	CIS116	3	1	0	**3**	**6**
ACM432	Enterprise Information Systems		3	0	0	**3**	**6**
ACM437	Internet of Things		3	0	0	**3**	**6**
ACM462	Decision Support Systems		3	0	0	**3**	**6**
ACM465	Artificial Intelligence		3	0	0	**3**	**6**
ACM472	3-D Design and Game Programming		3	0	0	**3**	**6**
ACM476	Data Mining		3	0	0	**3**	**6**
ACM480	Information Technology Management in the Digital Age with Turk Telekom AssisTT		3	0	0	**3**	**6**
AFN360	Blockchain Applications and Cryptocurrencies		3	0	AFN360	**3**	**6**
COMP202	Design Patterns		2	2	0	**3**	**7**
COMP301	Software Architecture and Tools		3	0	0	**3**	**6**
DEPARTMENTAL ELECTIVE COURSES (SPRING)							
CIS490	COOP I		0	6	0	**3**	**6**
CIS492	COOP II		0	6	0	**3**	**6**
CIS494	COOP III		0	6	0	**3**	**6**
CIS496	COOP IV		0	6	0	**3**	**6**