Course Structure Diagram with Course Credits

	Course Code	Course Name	Credit	ECTS	Prerequisites
Basic Departmental Courses					
Departmental Courses					
Departmental Elective Courses					
1. YEAR / 1. SEMESTER	CHM101	General Chemistry	4	5	-
	ENG101	English I	3	3	-
	MTH101	Mathematics I	4	5	-
	ECC102	Programming and Problem Solving	4	4	-
	PHY101	General Physics I	4	5	-
	MTH113	Linear Algebra	3	4	-
	CHC100	Cyprus: History and Culture	2	2	-
	CAM100	Campus Orientation	0	2	-
1. YEAR / 2. SEMESTER	ECC108	Object Oriented Programming	3	7	ECC102
	ENG102	English II	3	3	ENG101
	MTH102	Mathematics II	4	6	MTH101
	ECC104	Discrete Structures	3	6	-
	PHY102	General Physics II	4	6	PHY101
	CAR100	Career	0	2	-
2. YEAR / 1. SEMESTER	MTH201	Differential Equations	4	6	MTH102
	ECC201	Data Structures and Algorithms	4	6	ECC102
	ECC001	Digital Logic	4	6	ECC104
	EAS103	Introduction to Management	3	5	-
	ECC204	Electrical Circuits	3	5	PHY102
	AİT103	Principles of Atatürk and the History of Turkish Revolution I	2	2	-
2. YEAR / 2. SEMESTER	ECC202	Database Management Systems	4	6	ECC201
	ECC006	Web Design and Programming	3	6	-
	ECC007	Multimedia Systems	3	6	ECC102
	EAS101	Introduction to Economics	3	5	-
	MTH251	Probability and Statistics	3	5	MTH113
	AİT104	Principles of Atatürk and the History of Turkish Revolution II	2	2	AİT103
	ISE299	Summer Practice I	0	7.5	-
3. YEAR / 1. SEMESTER	ECC302	Operating Systems	3	6	ECC202
	ECC004	Programming Languages I	3	6	ECC202
	ENG201	Oral Communication Skills	3	5	ENG102
	ECC311	Management Information Systems	4	7	EAS103
	ECC439	Occupational Health and Safety I	2	4	-
	YİT101	Turkish for Foreign Students I	2	2	-
3. YEAR / 2. SEMESTER	CS322	Web Application Development	3	6	ECC006
	ECC303	Data Communication and Networking	3	6	ECC001
	ISE301	Geographic Information Systems	4	6	-
	ECC003	Software Engineering	3	6	ECC302
	ECC440	Occupational Health and Safety II	2	4	ECC439
	YİT102	Turkish for Foreign Students II	2	2	YİT101
	ISE399	Summer Practice II	0	7.5	ISE299

	Course Code	Course Name	Credit	ECTS	Prerequisite
4. YEAR / 1. SEMESTER	ECC428	eGovernment	3	5	-
	ECC430	Principles of Information Security	3	5	ECC303
	ISE491	Senior Project I	2	5	-
	TE	Technical Elective	3	5	-
	TE	Technical Elective	3	5	-
	TE	Technical Elective	3	5	-
4. YEAR / 2. SEMESTER	ECC429	Engineering Ethics	3	6	-
	ISE492	Senior Project II	3	8	ISE491
	ECC422	Software Testing	3	6	ECC003
	TE	Technical Elective	3	5	-
	TE	Technical Elective	3	5	-
		Total	**145**	**255**	

Technical Elective Courses:

Course Code	Course Name	Credit	ECTS	Class Hours	LAB
ECC431	e-Commerce	3	5	3	0
ECC412	Database Applications	3	5	3	2
ECC002	System Simulation	3	5	3	0
ISE412	Health Information Management	3	5	3	0
ISE413	Strategic Information Systems Management	3	5	3	0
ISE414	Information in Hospitality and Tourism	3	5	3	0
ISE415	Accounting Information Systems	3	5	3	0
ISE430	Human-Computer Interaction	3	5	3	0
ECC404	Neural Networks	3	5	3	2
ECC419	Image Processing	3	5	3	2
ECC005	Internet Programming	3	5	3	2
ECC402	Computer Graphics	3	5	3	2
ECC405	Computer Hardware	3	5	3	0
ECC406	System Programming	3	5	3	2
ECC413	Artificial Intelligence	3	5	3	0
ISE428	Forensic Information Systems	3	5	3	2
ECC417	Mobile Programming	3	5	3	0
ECC408	Advanced Object-Oriented Programming	3	5	3	2
ECC409	Object Oriented Programming II	3	5	3	2
ISE461	Embedded System Design	3	5	3	0
ECC407	Programming Languages II	3	5	3	2
ECC415	Decision Making	3	5	3	0