



Curriculum Table

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Unit: Information Technology

First Grade

Fall Term/First Semester						
Code	Course Name	Theory	Practice	Credit	ECTS	
IT 105	Introduction to IT I	2	2	3	4	
IT 117	Programming I	3	2	4	6	
IT 161	Calculus I	4	0	4	5	
PHYS 101	General Physics I	2	2	3	4	
DBT 101	Academic Debate and Critical Thinking I	2	0	2	3	
ELT 103	Advanced English	3	0	3	4	
KUR 105	Kurdology I	2	0	2	2	
	Non-Technical Elective I	2	0	2	2	
Total					23	30

Spring Term/Second Semester						
Prerequisite	Code	Course Name	Theory	Practice	Credit	ECTS
	IT 106	Introduction to IT II	2	2	3	4
IT 117	IT 118	Programming II	3	2	4	6
IT 161	IT 162	Calculus II	4	0	4	5
	PHYS 102	General Physics II	2	2	3	4
	IDCB 102	Interpersonal Dynamics and Character Building	2	0	2	3
	ELT 104	Technical English	3	0	3	4
	KUR 106	Kurdology II	2	0	2	2
		Non-Technical Elective II	2	0	2	2
Total					23	30

Second Grade

Fall Term/Third Semester						
Prerequisite	Code	Course Name	Theory	Practice	Credit	ECTS
IT 118	IT 211	Algorithms & Data Structures	3	2	4	7
	IT 215	Database Systems I	2	2	3	6
	IT 231	Computer Hardware	2	2	3	4
	IT 217	Multimedia Technologies	2	2	3	5
IT 162	IT 235	Discrete Math	3	0	3	5
		Non-Technical Elective III	2	0	2	3
Total					18	30

Spring Term/Fourth Semester						
Prerequisite	Code	Course Name	Theory	Practice	Credit	ECTS
IT 117	IT 212	Object Oriented Programming (OOP)	3	2	4	7
	IT 216	Database Systems II	2	2	3	6
	IT 218	Computer Aided Design (CAD)	2	2	3	4
	IT 240	Web Design	2	2	3	5
IT 162	IT 236	Probability & Statistics	3	0	3	5
		Non-Technical Elective IV	2	0	2	3
Total					18	30

Third Grade

Fall Term/Fifth Semester						
Prerequisite	Code	Course Name	Theory	Practice	Credit	ECTS
	IT 301	Data Communications & Networking I	3	0	3	5
	IT 319	Mobile Applications	2	2	3	6
IT 240	IT 349	Web Programming	2	2	3	6
	IT 355	E-Business/E-commerce	3	0	3	5
	IT 327	Operating Systems (OS)	3	0	3	4
		Technical Elective	3	0	3	4
Total					18	30

Spring Term/Sixth Semester						
Prerequisite	Code	Course Name	Theory	Practice	Credit	ECTS
	IT 302	Data Communications & Networking II	3	0	3	5
IT 319	IT 320	Advanced Mobile Applications	2	2	3	6
IT 349	IT 350	Web Technologies	2	2	3	6
	IT 322	Human Computer Interaction	3	0	3	5
	IT 328	Open Source OS	3	0	3	4
		Technical Elective	3	0	3	4
Total					18	30

Fourth Grade

Fall Term/Seventh Semester						
Prerequisite	Code	Course Name	Theory	Practice	Credit	ECTS
	IT 403	Graduation Project I	1	4	3	8
	IT 401	Industrial Training	0	6	3	6
	IT 415	IT Project Management	3	0	3	6
		Technical Elective	2	2	3	5
		Technical Elective	2	2	3	5
Total					15	30

Spring Term/Eighth Semester						
Prerequisite	Code	Course Name	Theory	Practice	Credit	ECTS
IT 403	IT 404	Graduation Project II	1	4	3	8
	IT 416	Advanced Wireless Networking	3	0	3	6
	IT 408	Intro to Internet of Things (IoT)	3	0	3	6
		Technical Elective	2	2	3	5
		Technical Elective	3	0	3	5
Total					15	30

Electives

Technical Electives						
Code	Course Name	Theory	Practice	Credit	ECTS	
IT 111	Problem Solving Technics	2	2	3	5	
IT 352	Scripting Programming Languages	2	2	3	5	
IT 337	Biometrics	3	0	3	4	
IT 419	Computer Forensics	2	2	3	4	
IT 407	Server Management	2	2	3	5	
IT 409	Computer Forensics	3	0	3	5	
IT 414	Intro to Data Mining	3	0	3	5	
IT 416	Intro to Big Data	2	2	3	5	
IT 423	Information Security	2	2	3	5	
IT 455	Software Engineering	3	0	3	5	
IT 456	Intro to AI & Robotics	3	0	3	5	
IT 460	Cloud Computing Concept	2	2	3	5	

Nontechnical Electives						
Code	Course Name	Theory	Practice	Credit	ECTS	
TUR 121	Turkish I	2	0	2	3	
TUR 122	Turkish II	2	0	2	3	
GEN 203	Art	2	0	2	3	
GEN 202	Music	2	0	2	3	
GEN 204	Football	2	0	2	3	
GEN 205	History of Art	2	0	2	3	
ELT 269	Academic Writing Skills I	2	0	2	3	
ELT 270	Academic Writing Skills II	2	0	2	3	
BUS 233	Entrepreneurship	2	0	2	3	
FRE 121	French I	2	0	2	3	
FRE 122	French II	2	0	2	3	

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