

Table 5.1. Curriculum

**STUDY PROGRAM
INFORMATION TECHNOLOGY**

No.	Course code	Course name	Semester	Course type	Active teaching				Other classes	ECTS	Compulsory/ Elective C/E	Elective group
					L	PE	OFT	RW				
FIRST YEAR												
1	3.I111	Mathematics 1	1	TM	3.00	3.00	0.00	0.00	0.00	8.00	C	
2	3.I112	Fundamentals of Computer Technology	1	NS	2.00	2.00	0.00	0.00	0.00	8.00	C	
3	3.I113	Algorithms and Data Structures	1	SA	3.00	3.00	0.00	0.00	0.00	8.00	C	
4	3.I114	English Language 1	1	AO	2.00	2.00	0.00	0.00	0.00	6.00	C	
5	3.I121	Mathematics 2	2	TM	3.00	3.00	0.00	0.00	0.00	8.00	C	
6	3.I122	Introduction to Programming (Python)	2	NS	3.00	3.00	0.00	0.00	0.00	8.00	C	
7	3.I123	Architecture of Computer Systems	2	NS	3.00	3.00	0.00	0.00	0.00	8.00	C	
8	3.I124	English Language 2	2	AO	2.00	2.00	0.00	0.00	0.00	6.00	C	
Total number of teaching hours and ECTS credits					21	21	0.00	0.00	0.00	60		
Total number of teaching hours per year					42							
Annual number of active classes per year					315	315						
Total ECTS per year										60		
SECOND YEAR												
9	3.I231	Probability and Statistics	3	TM	3.00	3.00	0.00	0.00	0.0	8.00	C	
10	3.I232	Program Languages (C and C++)	3	SA	3.00	3.00	0.00	0.00	0.0	8.00	C	
11	3.I233	Electronics for Informaticians	3	SA	3.00	3.00	0.00	0.00	0.0	7.00	C	
12	3.IZB1	Elective course 1 (a- 7credit course is elected)	3		3.00	2.00	0.00	0.00	0.0	7.00	E	EG-1
13	3.I241	3.I234	Introduction to Web Programming	3	TM	3.00	2.00	0.00	0.00	0.00	7.00	
		3.I235	Internet Technology	3	TM	3.00	2.00	0.00	0.00	0.00	7.00	
			Fundamentals of Telecommunications	4	TM	3.00	2.00	0.00	0.00	0.00	7.00	C
14	3.I242	Operation Systems	4	NS	3.00	3.00	0.00	0.00	0.00	8.00	C	
15	3.I243	Object Oriented Programming -C# (Java)	4	SA	3.00	3.00	0.00	0.00	0.00	7.00	C	
16	3.IZB2	Elective course 2 (an 8-credit course is elected)	4		3.00	2.00	0.00	0.00	0.00	8.00	E	EG-2
		3.I244	Digital Electronics	4	AO	3.00	2.00	0.00	0.00	0.00	8.00	
		3.I245	Security and Protection of Computer Systems	4	AO	3.00	2.00	0.00	0.00	0.00	8.00	
		3.I246	Discreet Mathematics	4	AO	3.00	2.00	0.00	0.00	0.00	8.00	
Total number of teaching hours and ECTS credits					24	21				60		
Total number of teaching hours per year					45							
Annual number of active classes per year					360	315						
Total ECTS										60		
THIRD YEAR												
17	3.I351	Databases	5	NS	3.00	3.00	0.00	0.00	0.0	7.00	C	
18	3.I352	Artificial Intelligence	5	NS	3.00	3.00	0.00	0.00	0.0	7.00	C	
19	3.I353	Web Applications Development	5	NS	3.00	3.00	0.00	0.00	0.0	8.00	C	
20	3.IZB3	Elective course 3 (an 8-credit course is elected)	5		3.00	2.00	0.00	0.00	0.0	8.00	E	EG-3
		3.I354	Multimedia Systems	5	NS	3.00	2.00	0.00	0.00	8.00		

		3.1355	Computer Graphics and Design	5	AO	3.00	2.00	0.00	0.00	0.00	8.00		
		3.1356	Fundamentals of Entrepreneurship	5	AO	3.00	2.00	0.00	0.00	0.00	8.00		
21	3.1361	Business Information Systems		6	NS	3.00	3.00	0.00	0.00	0.0	8.00	C	
22	3.1362	Introduction to Management		6	AO	3.00	2.00	0.00	0.00	0.0	7.00	C	
23	3.1363	Computer Networks		6	SA	3.00	3.00	0.00	0.00	0.0	7.00	C	
24	3.1ZB4	Elective course 4 (an 8- credit course is elected)		6		3.00	2.00	0.00	0.00	0.0	8.00	E	EG-4
		3.1364	Electronic Business Communication	6	SA	3.00	2.00	0.00	0.00	0.0	8.00		
		3.1365	Fundamentals of Information Theory and Coding	6	SA	3.00	2.00	0.00	0.00	0.0	8.00		
		3.1366	Project Management	6	AO	3.00	2.00	0.00	0.00	0.0	8.00		
Total number of teaching hours and ECTS credits						24	21				60		
Total number of teaching hours per year						45							
Annual number of active classes per year						360	315						
Total ECTS											60		
FOURTH YEAR													
25	3.1471	Software Development		7	NS	3.00	3.00	0.00	0.00	0.0	8.00	C	
26	3.1472	Information System Projecting		7	NS	3.00	2.00	0.00	0.00	0.0	7.00	C	
27	3.1473	Internet Marketing		7	NS	3.00	3.00	0.00	0.00	0.0	7.00	C	
28	3.1ZB5	Elective course 5 (an 8- credit course is elected)		7		3.00	2.00	0.00	0.00	0.0	8.00	E	EG-5
		3.1474	Decision Support Systems	7	NS	3.00	2.00	0.00	0.00	0.00	8.00		
		3.1475	Software Engineering	7	SA	3.00	2.00	0.00	0.00	0.00	8.00		
		3.1476	Business Communication	7	TM	3.00	2.00	0.00	0.00	0.00	8.00		
29	3.1ZB6	Elective course 6 (a 10- credit course is elected)		8		5.00	2.00	0.00	0.00	0.0	10.00	E	EG-6
		3.1481	Databases Practicum	8	SA	5.00	2.00	0.00	0.00	0.00	10.00		
		3.1482	Digital Signal Processing	8	SA	5.00	2.00	0.00	0.00	0.00	10.00		
		3.1483	Computer Applications Practicum	8	SA	5.00	2.00	0.00	0.00	0.00	10.00		
30	3.1484	Computer Simulations		8	NS	5.00	2.00	0.00	0.00	0.0	7.00	C	
31	3.1485	Work placement		8	SA	0.00	0.00	0.00	0.00	6.0	3.00	C	
32	3.1486	Final paper subject		8	SA	0.00	0.00	0.00	8.00	1.0	4.00	C	
33	3.1487	Final paper		8	SA	0.00	0.00	0.00	0.00	1.0	6.00	C	
Total teaching hours per block						10.00	4.00	0.00	8.00	8.00			
Total number of active teaching hours and ECTS per block						22.00					30.00		
Total teaching hours per block						30.00							
Total number of teaching hours and ECTS credits						22.00	14.00	0.00	8.00	8.00			
Total number of teaching hours per year						44.00					60		
Total number of teaching hours per year						52.00							
Annual number of active classes per year						330	210	0.00	120	120			
Total number of teaching hours per study program						1365	1155		120	120			
Total						2640				120			
Total ECTS											240		

L- lectures

PE- practical exercises

OFT- other forms of teaching

RW- research work

