

Table 5.2 Curriculum

**THE OLD STUDY PROGRAM  
UNDERGRADUATE STUDIES INFORMATION TECHNOLOGY**

No.	Subject code	Subject name	Semester	Lectures	Practical exercises	ECTS credits
<b>FIRST YEAR</b>						
1	I1121	<a href="#">Mathematics 1</a>	1	3	3	7
2	I1122	<a href="#">Fundamentals of Computer Engineering</a>	1	2	2	6
3	I1123	<a href="#">Fundamentals of Electrical Engineering and Electronics</a>	1	3	2	7
4	I1124	<a href="#">English Language 1</a>	1	1	1	3
5	I1125	<a href="#">Fundamentals of Programming</a>	1	3	2	7
6	I1211	<a href="#">English Language 2</a>	2	1	1	3
7	I1212	<a href="#">Mathematics 2</a>	2	3	2	7
8	I1213	<a href="#">Introduction to Web</a>	2	3	2	7
9	I1121	<a href="#">Data Structures and Algorithms</a>	2	2	2	6
10	I1122	<a href="#">Architecture and Organization of Computer Systems</a>	2	3	3	7
<b>Total number of active teaching hours</b>				24	20	
<b>Annual number of teaching hours</b>				360	300	
<b>Total ECTS</b>						60
<b>SECOND YEAR</b>						
11	I1123	<a href="#">Discrete Mathematics</a>	3	3	2	7
12	I1124	<a href="#">Object Oriented Programming</a>	3	3	3	8
13	I1125	<a href="#">Computer Networks</a>	3	3	3	8
14	Block 1	Elective block 1	3	3	2	7
1	I1214	<a href="#">Digital Electronics</a>				
2	I1215	<a href="#">Internet Technologies</a>				
15	I1221	<a href="#">Databases</a>	4	3	3	8
16	I1222	<a href="#">Operating Systems</a>	4	3	3	8
17	I1223	<a href="#">Numerical Mathematics</a>	4	3	2	7
18	Block 2	Elective block 2	4	3	2	7
3	I1224	<a href="#">Digital Signal Processing</a>				
4	I1225	<a href="#">Computer Systems Security and Protection</a>				
<b>Total number of active teaching hours</b>				24	20	
<b>Annual number of teaching hours</b>				360	300	
<b>Total ECTS</b>						60
<b>THIRD YEAR</b>						
19	I1311	<a href="#">Object Oriented Modelling</a>	5	3	3	8
20	I1312	<a href="#">Intelligent Systems</a>	5	3	2	7
21	I1313	<a href="#">Web Applications Development and Web Design</a>	5	3	3	8
22	Block 3	Elective block 3	5	3	2	7

5	I1314	<a href="#">Computer Telecommunications</a>				
6	I1315	<a href="#">Video Production</a>				
7	I1316	<a href="#">Telecommunication Systems and Networks</a>				
23	I1321	<a href="#">Computer Graphics</a>	6	3	3	8
24	I1322	<a href="#">Parallel Programing</a>	6	3	3	8
25	I1323	<a href="#">Information Theory and Coding</a>	6	3	2	7
26	Block 4	Elective block 4	6	3	2	7
8	I1324	<a href="#">Electronic Commerce</a>				
9	I1325	<a href="#">Business Law</a>				
<b>Total number of active teaching hours</b>				24	20	60
<b>Annual number of teaching hours</b>				360	300	
<b>Total ECTS</b>						
<b>FOURTH YEAR</b>						
27	I1411	<a href="#">Software Engineering</a>	7	3	3	8
28	Block 5	Elective block 5	7	3	3	8
10	I1412	<a href="#">Information Systems Design</a>				
11	I1413	<a href="#">Information Systems in Manufacturing Industry and Services</a>				
12	I1414	<a href="#">3D Modelling and Animation</a>				
29	Block 6	Elective block 6	7	3	2	7
13	I1415	<a href="#">Security in E-Business Systems</a>				
14	I 1416	<a href="#">Computer Tools</a>				
30	Block 7	Elective block 7	7	3	2	7
15	I1417	<a href="#">Biomedical Signal Processing</a>				
16	I1418	<a href="#">Operations Research</a>				
17	I1419	<a href="#">Fundamentals of Design Practicum</a>				
31	I1421	<a href="#">Multimedia</a>	8	3	2	7
32	Block 8	Elective block 8	8	2	1	4
18	I1422	<a href="#">Global Information Systems</a>				
19	I1423	<a href="#">Business Information Systems</a>				
33	Block 9	Elective block 9	8	3	2	7
20	I1424	<a href="#">Internet Application Programming</a>				
21	I1425	<a href="#">Software Development</a>				
34	I1426	<a href="#">Internship</a>	8			4
35	I1427	<a href="#">Final paper</a>	8			8
<b>Total number of active teaching hours and ECTS</b>				20	15	60
<b>Annual number of active teaching hours</b>				300	225	
<b>Total number of active teaching hours for the study program</b>				1380	1125	
<b>Total</b>				2505		
<b>Total ECTS credits</b>						240