BACHELOR IN "INFORMATION ENGINEERING"

LEARNING OUTCOMES

By the end of the Bachelor programme the students will be able to:
- Design and develop mobile and web applications
- Apply coding languages for software development
- Develop simple computer networks
- Fulfill computer technology demands regarding data processing and information communication between computers
- Address research questions by making use of qualitative or quantitative data analysis.

PROFILE - SOFTWARE DESIGN
- Design, manage and maintain software that are needed for information systems
- Manage security in information systems.

PROFILE - TELECOMMUNICATION ENGINEERING
- Apply information systems through their knowledge in telecommunication systems
- Manage data communication between computers.

CURRICULA

BACHELOR in "INFORMATICS ENGINEERING"				
No.	**Year**	**Term**	**Subject Title**	**ECTS**
A - GENERAL SUBJECTS / 15% - 20%/ 32 ECTS				
1	I	1	Introduction to Economics	6
2	I	1	Mathematics 1	6
3	I	1	Introduction to Philosophy	6
4	I	2	Mathematics 2	6
5	I	1	Academic Writing	4
6	I	2	Research Methods	4
				32
B - CHARACTERIZING/CORE SUBJECTS / 50% - 55%/ 99 ECTS				
1	I	1	Theory of Statistics	6
2	I	2	Applied Statistics	4
3	I	2	Physics 1	6
4	II	1	Fundamentals of Electrotechnics and Automatics	6
5	II	1	Programming 1	6
6	II	2	Programming 2	6
7	III	2	Theory and Numerical Processing of Signals	6

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No.	Year	Term	Subject Title	ECTS
8	II	1	Theory of Databases	6
9	II	2	Data Structures	6
10	II	1	Electronics	6
11	III	1	Computer Networks	6
12	I	2	Computer Architecture	6
13	III	2	Introduction to Software Engineering	6
14	II	2	Computer Organization and Design	6
15	II	2	Electrical and Electronic Measurements	6
16	III	1	Operating Systems	6
17	III	1	Elements of Robotics	5
				99
C - INTERDISCIPLINARY / INTEGRATING/ ELECTIVE COURSES 12% - 15%/ 24 ECTS				
PROFILE - TELECOMMUNICATION ENGINEERING				
1	II	2	Introduction to Telecommunication	6
2	III	1	Telecommunication Systems	6
3	III	2	Data Communication	6
4	III	1	Systems in Radiofrequency	6
5	III	1	Honors Course	6
PROFILE - SOFTWARE DESIGN				
1	III	1	Strategic Management of Information Systems	6
2	II	2	PHP Applications	6
3	III	1	Data Communication	6
4	III	2	Security of Information Systems	6
5	III	1	Honors Course	6
				24
D - ADDITIONAL COURSES / 10% - 15%/ 18 ECTS				
1	I	1	English Language	5
2	I	1	Basics of Informatics	4
3	III	1	Project Design and Management	4
4	III	2	Internship	5
				18
E - FINAL OBLIGATIONS /3% - 5%/ 7 ECTS				
1	III	2	Diploma Thesis / Final Comprehensive Exam	7
			Total	180