FACULTY OF APPLIED SCIENCES AND CREATIVE INDUSTRIES

APPROVED

DEAN   **RECTOR**

Prof. Asoc. Dr. Semiha Loca   **Prof. Dr. Suzana Guxholli**

CURRICULUM

BACHELOR Program: Computer Sciences
(Full Time)

Tiranë, 2023

Curriculum (Year I)			
Nr.	Module	Subject	Subject Code
1	Programming	Introduction to programming and computer sciences	CS 101
2	Mathematics for programmers	Mathematics	MTH 111
3		Linear algebra	MTH 113
4	Methods of research and academic writing	Academic writing	GEN 211
5	Principles of Economy	Introduction to economy	EC 101
6	English language	Englisht language	GEN 014
7	Physics	Physics	PHY 111
8	Programming	Object Oriented Programming	CS 111
9	Entrepreneurship and innovation	Entrepreneurship and innovation	EC 111
10	Discrete mathematics	Discrete mathematics	CS 113
11	Computer architecture	Architecture and organization of computer systems	CS 255
12	Physical Education	Physical activites and recreative sports	PE 101

Nr.	Module	Subject	Subject Code
13	Operating systems	Operating systems	CS 351
14	Database structures	Database structures	CS 361
15	Data structures	Data structures	CS 211
16	Algorithms	Algorithms	CS 330
17	Statistics and Probabilty	Statistics	CS 238
18		Probability	CS 237
19	Computer Networks	Computer Networks	CS 371
20	Artificial intelligence and machine learning	Artificial intelligence and machine learning	CS 275
21	Elective	Subject 1	
22		Subject 2	

Curriculum (Year II)

Nr.	Module	Subject	Subject Code
Curriculum (Viti III)			
23	Algorithms	Artificial intelligence lab, computer vision and NLP	CS375
24	Software Engineering	Software Engineering	CS 360
25	Computational complexity	Computational complexity	CS 332
26	Professional practice		CS 390
27	Web programming	Web programming	CS 121
28	Digital law and ethics	Digital law and ethics	CS 271
29	Elective	Subject 3	
30	Elective	Subject 4	
31	Corporate culture and principles of organization	Corporate culture and principles of organization	EC 333
32	Industrial design	Industrial design	DI 301
33	Final exam/ Diploma thesis	Final exam/ Diploma thesis	CS 399