

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF INFORMATICS
FIELD OF STUDY: INFORMATICS
STUDY PROGRAM: ARTIFICIAL INTELLIGENCE
LANGUAGE OF INSTRUCTION: ENGLISH
STUDY PROGRAM: IF (FULL-TIME)
DURATION OF STUDIES: 3 years
PERIOD OF STUDY: 2026–2029
YEAR OF STUDY: I

APPROVED BY,

RECTOR,
Professor Daniel COCHIOR, PhD, Habil.

CURRICULUM
for the Academic Year 2026-2027

No.	SUBJECT CODE	SUBJECT	FORMAT IVE CATEGORY	NO. OF HOURS/ WEEK AND CREDITS								Type of assement	Comments
				Semester 1				Semester 2					
				C	S	L	Cr.	C	S	L	Cr.		
I		MANDATORY SUBJECTS											
1	AIE.1.1.1	Differential and Integral Calculus	DF	2	2	-	5	-	-	-	-	E1	
2	AIE.1.1.2	Logic for Informatics	DF	2	2	-	5	-	-	-	-	E1	
3	AIE.1.1.3	Computer Systems Architecture	DF	2	-	2	5	-	-	-	-	E1	
4	AIE.1.1.4	Introduction in Programming	DF	2	-	2	5	-	-	-	-	E1	
5	AIE.1.1.5	Fundamentals of Data Science and Artificial Intelligence	DF	2	2	-	4					V1	
6	AIE.1.1.6	Innovation and Digital Transformation	DC	2	2	-	4	-	-	-	-	V1	
7	AIE.1.1.7	Academic Writing and Communication	DC	1		2	2	-	-	-	-	V1	

8	AIE.1.2.8	Probability and Statistics	DC	-	-	-	-	1		2	2	V2	
9	AIE.1.2.9	Linear Algebra and Optimization	DF	-	-	-	-	2	2	-	5	E2	
10	AIE.1.2.10	Data Structures and Fundamental Algorithms	DS	-	-	-	-	2	-	2	5	E2	
11	AIE.1.2.11	Algorithm Design	DF	-	-	-	-	2	-	2	5	E2	
12	AIE.1.2.12	Operating Systems	DF	-	-	-	-	2	-	2	4	V2	
13	AIE.1.2.13	Graph Algorithms	DF	-	-	-	-	2	1	1	4	V2	
14	AIE.1.2.14	Programming in Python	DS	-	-	-	-	2	-	2	5	E2	
II		MANDATORY COURSES WITH ADDITIONAL CREDITS											
15	AIE.1.1.15	Physical Education (I)	DC	-	1	-	1	-	-	-	-	V1	
16	AIE.1.2.16	Physical Education (II)	DC	-	-	-	-	-	1	-	1	V2	
		TOTAL HOURS AND CREDITS		13	8	6	30	13	3	11	30		
		TOTAL HOURS			27				27				
		EXAMS / VERIFICATIONS		E=4, V=4				E=4, V=4					

No.	SUBJECT CODE	SUBJECT	FORMAT IVE CATEGO RY	NO. OF HOURS/ WEEK AND CREDITS								Type of asement	Comments
				Semester 1				Semester 2					
				C	S	L	Cr.	C	S	L	Cr.		
III		FREE ELECTIVE SUBJECTS											
17	AIE.1.2.17	Programming in Matlab	DS	-	-	-	-	1	-	2	4	V2	
18	AIE.1.2.18	Limba română											
19	AIE.1.2.19	Internship*	DS	-	-	-	-	-	-	4	4	V2	

* Intership duration: 56 hours (during the semester or in a compact format)

The subject's code consists of three letters followed by three digits, as follows:

the first two letters – initials of the study programme

the third letter – language of instruction (E – English)

the first digit – year of study

the second digit – semester (1, 2, 3, 4, 5, 6, ...)

the third digit – course number

Legend

C – lecture

E1, E2 – exam, semester 1, 2

L – laboratory

V1, V2 – verification, semester 1, 2

S – seminar

Cr – credits

DF = fundamental subject

DS = specialized subject

DC = complementary subject

DEAN,
Associate Professor Daniela JOIȚA, PhD

HEAD OF INFORMATICS DEPARTMENT
Associate Professor Mironela PÎRNĂU, PhD