

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: III

APPROVED BY,

RECTOR,
Professor Daniel COCHIOR, PhD, Habil.

CURRICULUM
for the Academic Year 2028-2029

No.	SUBJECT CODE	SUBJECT	FORMATIVE CATEGORY	NO. OF HOURS/ WEEK AND CREDITS								Type of assement	Comments
				Semester 5				Semester 6					
				C	S	L	Cr.	C	S	L	Cr.		
I		MANDATORY SUBJECTS											
1	AIE.3.5.1	Internet of Things (IoT) Fundamentals	DS	2	-	2	4	-	-	-	-	E5	
2	AIE.3.5.2	Big Data Fundamentals	DS	2	-	2	4	-	-	-	-	E5	
3	AIE.3.5.3	Software Engineering for AI Systems	DS	2	-	2	4	-	-	-	-	E5	
4	AIE.3.5.4	Computer Networks	DF	2	-	2	5	-	-	-	-	V5	
5	AIE.3.5.5	Deep Learning	DS	2	-	2	5					E5	
6	AIE.3.6.6	Artificial Intelligence Applied in Robotics	DF	1	-	2	4	-	-	-	-	V5	
7	AIE.3.6.7	Generative AI	DS	-	-	-	-	1	-	2	4	E6	
8	AIE.3.6.8	Introduction to Reinforcement Learning	DF	-	-	-	-	1	-	2	3	E6	
9	AIE.3.6.9	AI Infrastructure and Cloud Computing	DS	-	-	-	-	2	-	2	4	E6	

10	AIE.3.6.10	Natural Language Processing Techniques	DS	-	-	-	-	2	-	2	4	E6	
11	AIE.3.6.11	Internship*	DS	-	-	-	-	-	-	4	4	V6	
12	AIE.3.6.12	Elaboration of the Bachelor Thesis**/	DS	-	-	-	-	-	-	-	2	V6	

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

** Elaboration of the Bachelor's thesis: 56 hours

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				Semester 5				Semester 6					
				C	S	L	Cr.	C	S	L	Cr.		
II		ELECTIVE SUBJECTS											
13	AIE.3.5.13	Introduction to Computer Vision	DS	1	-	2	4	-	-	-	-	V5	One subject is chosen between 13 and 14
14	AIE.3.5.14	User Interface Design	DS	1	-	2	4	-	-	-	-	V5	
15	AIE.3.6.15	IT Systems Security	DS	-	-	-	-	1	-	2	3	V6	One subject is chosen between 15 and 16
16	AIE.3.6.16	AI Techniques in Cybersecurity	DS	-	-	-	-	1	-	2	3	V6	
17	AIE.3.6.17	Quantum Computing	DS	-	-	-	-	1	-	2	3	V6	One subject is chosen between 17 and 18
18	AIE.3.6.18	Semi-Autonomous Robotic Systems	DS	-	-	-	-	1	-	2	3	V6	
19	AIE.3.6.19	AI Applications in Health	DS	-	-	-	-	1	-	2	3	V6	One subject is chosen between 19 and 20
20	AIE.3.6.20	AI in Life Sciences	DS	-	-	-	-	1	-	2	3	V6	
		TOTAL HOURS AND CREDITS		12	0	14	30	9	0	18	30		

		TOTAL HOURS			26				27				
		EXAMS / VERIFICATIONS		E=4, V=3				E=4, V=5					
III		FREE ELECTIVE SUBJECTS											
21	AIE.3.5.21	Formal languages and Compilers	DS	2	1	1	5	-	-	-	-	V5	
22	AIE.3.6.22	Functional Programming	DS	-	-	-	-	2	1	1	5	V6	
23	AIE.3.6.23	Logical Programming	DS	-	-	-	-	2	-	2	5	V6	

Bachelor's Final Examination – 10 ECTS credits Learning outcomes assessment (written exam) – 4 ECTS credits

Bachelor's thesis public defence (oral exam) – 6 ECTS credits

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 E5, E6 – exam, semester 5, 6
L – laboratory V5, V6 – verification, semester 5, 6
S – seminar
Cr – credits

DF = fundamental subject
DS = specialized subject
DC = complementary subject

DEAN,

Associate Professor Daniela JOITA, PhD

HEAD OF INFORMATICS DEPARTMENT

Associate Professor Mironela PÎRNĂU, PhD