

CURRICULUM **
Year of study I

Code	Disciplines*	Type	Sem. I [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IETI-0002	Linear algebra, analytical and differential geometry	FD	2	2	-	-	56	Ex	5	69	
IETI-0193	Computer aided graphics	FD	-	-	1	-	14	Vp	1	11	
IETI-0783	Computer programming and programming languages I	FD	2	-	2	-	56	Ex	5	69	
IETI-0003	Mathematical Analysis	FD	2	2	-	-	56	Ex	5	69	
IETI-0013	Physics	FD	2	2	-	-	56	Ex	4	44	
IETI-0140	Logic design I	DD	2	-	1	-	42	Ex	4	58	
IETI-0784	Applied Informatics I	FD	2	-	2	-	56	Vp	5	69	
	TOTAL		12	6	6	-	336		29	389	
	OBLIGATORII OPȚIONALĂ										
IETI-0539	Foreign Language I	CD	-	1	-	-	14	Vp	1	11	
	TOTAL		-	1	-	-	14		1	11	
IETI-0999	Physical Education and Sport I	CD	-	1	-	-	14	A/R	1	11	

Code	Disciplines*	Type	Sem. II [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IETI-0009	Special mathematics	FD	2	2	-	-	56	Ex	4	44	
IETI-0785	Computer programming and programming languages II	FD	2	-	2	-	56	Ex	5	69	
IETI-0141	Logic design II	DD	2	-	1	-	42	Ex	4	58	
IETI-1232	Electrotechnics	DD	2	-	1	-	42	Ex	4	58	
IETI-0948	Electronic devices and analog electronics	DD	2	-	2	-	56	Vp	4	44	
IETI-0786	Applied informatics II	FD	2	-	2	-	56	Vp	5	69	
IETI-1085	Theory of probability and mathematical statistics	FD	2	-	1	-	42	Ex	3	33	
	TOTAL		14	2	9	-	350		29	375	
	OBLIGATORII OPȚIONALĂ										
IETI-0541	Foreign Language II	CD	-	1	-	-	14	Vp	1	11	
	TOTAL		-	1	-	-	14		1	11	
IETI-1000	Physical Education and Sport II	CD	-	1	-	-	14	A/R	1	11	
	FACULTATIVE										
IETI-0408	Mechanical engineering	CD	2	-	1	-	42	Vp	3	33	
IETI-1241	Technological practice	DD	-	-	-	-	90	Cv	3	0	

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IETI-1108	Academic Ethics and Integrity	CD	1	-	-	-	14	Vp	1	11	
IETI-1010	Environment protection	CD	1	-	-	-	14	Vp	1	11	
	TOTAL		1	1	-	-	28		2	22	
IETI-1006	Physical Education and Sport IV	CD	-	1	-	-	14	A/R	1	11	

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UNIVERSITY OF ORADEA
FACULTY OF ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY
 Licence's Degree Program: **INFORMATION TECHNOLOGY**
 Fundamental Field: **ENGINEERING SCIENCES**
 Undergraduate Field: **COMPUTERS AND INFORMATION TECHNOLOGY**
 Duration of studies / no. of credits: **4 years/240 credits**
 Type of education: **Full-time learning (IF)**

Valid from academic year
 2022-2023
 Beginning with 1st year of
 study

CURRICULUM **
Year of study III

Code	Disciplines*	Type	Sem. V [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IETI-0460	Microprocessor systems	SD	2	-	2	-	56	Ex	4	44	
IETI-0101	Computer architecture	DD	2	-	2	1	70	Ex	6	80	
IETI-1093	Applications of database management systems	SD	2	-	2	1	70	Ex	6	80	
IETI-1208	Computer aided design of electronic modules	SD	2	-	2	-	56	Vp	4	44	
IETI-0465	Operating systems	DD	2	-	2	-	56	Ex	4	44	
IETI-0129	Formal Languages and Translators	DD	2	-	1	-	42	Vp	3	33	
IETI-0949	Functional programming	DD	2	-	1	-	42	Ex	3	33	
	TOTAL		14	-	12	2	392		30	358	
	FACULTATIVE										
IETI-0573	Sociology	CD	2	-	-	-	28	Vp	2	22	
IETI-0593	Foreign Language V	CD	-	2	-	-	28	Vp	2	22	

Code	Disciplines*	Type	Sem. VI [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IETI-1175	Multimedia technologies	SD	2	-	2	-	56	Vp	3	19	
IETI-1169	Software engineering I	DD	2	-	1	-	42	Ex	4	58	
IETI-1095	Design with microprocessors	DD	2	-	1	-	42	Ex	3	33	
IETI-1209	Design with microprocessors - project	DD	-	-	-	1	14	Vp	1	11	
IETI-1094	Advanced operating systems	SD	2	-	2	1	70	Ex	4	30	

IETI-0164	Artificial Intelligence	DD	2	-	1	-	42	Vp	3	33	
IETI-1217	Integrating smart devices to increase system sustainability	SD	2	-	1	1	56	Ex	4	44	
IETI-0919	Cloud Computing	SD	2	-	2	-	56	Ex	4	44	
IETI-1038	Specialty practice	SD	-	-	-	-	90	Cv	4	10	
	TOTAL		14	-	10	3	468		30	282	
	FACULTATIVE										
IETI-0594	Foreign Language VI	CD	-	2	-	-	28	Vp	2	22	
IETI-0558	Quality management	CD	2	1	-	-	42	Vp	3	33	

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CURRICULUM **
Year of study IV

Code	Disciplines*	Type	Sem. VII [hours / week]				Total of hours / sem.	Type of Exami-nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IETI-1171	Data security	SD	2	-	1	1	56	Ex	4	44	
IETI-1174	Parallel programming	SD	2	-	2	-	56	Ex	4	44	
IETI-1170	Software engineering II	DD	2	-	1	1	56	Ex	5	69	
IETI-0937	Computer systems reliability	SD	2	-	1	-	42	Ex	4	58	
IETI-0449	Computer networks	DD	2	-	2	-	56	Ex	5	69	
	TOTAL		10	-	7	2	266		22	284	
	OBLIGATORII OPŢIONALĂ										
	PACHET 1										
IETI-1176	Web programming	SD	2	-	2	-	56	Vp	4	44	
IETI-0162	Management of Internet Applications	SD	2	-	2	-	56	Vp	4	44	
	PACHET 2										
IETI-1096	E-commerce	SD	2	-	1	-	42	Vp	4	58	
IETI-0165	Translators Design	SD	2	-	1	-	42	Vp	4	58	
	TOTAL		4	-	3	-	98		8	102	
	FACULTATIVE										
IETI-0555	Industrial management	CD	2	1	-	-	42	Ex	3	33	
IETI-0575	Labour Science and Human Resources I	CD	2	1	-	-	42	Vp	3	33	

Code	Disciplines*	Type	Sem. VIII [hours / week]				Total of hours / sem.	Type of Exami-nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IETI-0806	Practice for diploma project development	SD	-	-	-	-	60	Cv	3	15	
IETI-1045	Diploma project elaboration	SD	-	-	-	4	56	Cv	4	44	
IETI-0504	General Economics	CD	2	-	-	-	28	Vp	3	47	
IETI-0951	IT Communication techniques	CD	2	1	-	-	42	Ex	3	33	
	TOTAL		4	1	-	4	186		13	139	
	OBLIGATORII OPŢIONALĂ										
	PACHET 1										
IETI-1177	Image processing	SD	2	-	1	1	56	Ex	5	69	
IETI-0125	Human-Computer Interaction	SD	2	-	1	1	56	Ex	5	69	
	PACHET 2										
IETI-0950	Reconfigurable computing	SD	2	-	1	-	42	Vp	4	58	
IETI-0124	The Integration of Information Systems	SD	2	-	1	-	42	Vp	4	58	
	PACHET 3										
IETI-0166	Expert Systems	SD	2	-	2	-	56	Vp	4	44	
IETI-0807	Rule based systems	SD	2	-	2	-	56	Vp	4	44	

	PACHET 4										
IETI-0167	Modelling and Simulation Techniques	SD	2	-	2	-	56	Ex	4	44	
IETI-0147	Virtual Reality	SD	2	-	2	-	56	Ex	4	44	
	TOTAL		8	-	6	1	210		17	215	
IETI-0901	Diploma exam	SD	-	-	-	-	0	A/R	10	250	
	FACULTATIVE										
IETI-0565	Marketing	CD	2	1	-	-	42	Ex	2	8	
IETI-0576	Labour Science and Human Resources II	CD	2	1	-	-	42	Vp	3	33	
IETI-0514	Economical financiar management	CD	2	1	-	-	42	Ex	2	8	

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