

UNIVERSITY OF ORADEA
FACULTY OF ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY
 Licence's Degree Program: **COMPUTERS**
 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
 2023-2024
 Beginning with 1st year of
 study

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 OPȚIONALE										
IETI-0538	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 OPȚIONALE										
IETI-0540	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	

Legend: C - Course; S - Seminar; L - Practical (laboratory); P - Project; IS - Individual Study;
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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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**Head of department ,
Associate Professor Dr. Mirela PATER**

**RECTOR,
Professor Dr. BUNGĂU Constantin**

**DEAN,
Professor dr. HATHAZI Francisc Ioan**

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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-0142	Computer Aided design	SD	2	-	2	-	56	Vp	4	44	
IETI-0465	Operating systems	DD	2	-	2	-	56	Ex	4	44	
IETI-0920	Parallel and distributed algorithms	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-0916	Mobile and web applications design	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	1	56	Ex	4	44	
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-0918	Input-output systems and data transmission	SD	2	-	1	1	56	Ex	4	44	
IETI-0868	Applications and Systems Security	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-0498	Business and Labour Law	CD	2	1	-	-	42	Vp	3	33	

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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-1172	Object oriented application design	SD	2	-	2	-	56	Ex	4	44	
IETI-1170	Software engineering II	DD	2	-	1	1	56	Ex	5	69	
IETI-0475	Fault-tolerant systems	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 OPd'z'IONALE										
	PACHET 1										
IETI-1173	Performance evaluation	SD	2	-	2	-	56	Vp	4	44	
IETI-0921	Error-correcting codes	SD	2	-	2	-	56	Vp	4	44	
	PACHET 2										
IETI-1069	Internet Of Things	SD	2	-	1	-	42	Vp	4	58	
IETI-1068	Methodology for project development	SD	2	-	1	-	42	Vp	4	58	
	TOTAL		4	-	3	-	98		8	102	
	FACULTATIVE										
IETI-0575	Labour Science and Human Resources I	CD	2	1	-	-	42	Vp	3	33	
IETI-0555	Industrial management	CD	2	1	-	-	42	Ex	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-0904	Multimedia communication	CD	2	1	-	-	42	Ex	3	33	
	TOTAL		4	1	-	4	186		13	139	
	OBLIGATORII OPd'z'IONALE										
	PACHET 1										
IETI-0146	Computer network Design	SD	2	-	1	1	56	Ex	5	69	
IETI-0905	Perceptual systems	SD	2	-	1	1	56	Ex	5	69	
	PACHET 2										
IETI-0154	Distributed systems	SD	2	-	1	-	42	Vp	4	58	
IETI-0809	Embedded Systems	SD	2	-	1	-	42	Vp	4	58	
	PACHET 3										
IETI-0153	Pattern Recognition Systems	SD	2	-	2	-	56	Vp	4	44	
IETI-0810	Knowledge Discovery Systems	SD	2	-	2	-	56	Vp	4	44	
	PACHET 4										
IETI-0150	Data Aquisition and Processing Systems	SD	2	-	2	-	56	Ex	4	44	
IETI-0099	Architecture for Distributed applications	SD	2	-	2	-	56	Ex	4	44	
	TOTAL		8	-	6	1	210		17	215	
	FACULTATIVE										
IETI-0565	Marketing	CD	2	1	-	-	42	Ex	2	8	
IETI-0514	Economical financiar management	CD	2	1	-	-	42	Ex	2	8	
IETI-0576	Labour Science and Human Resources II	CD	2	1	-	-	42	Vp	3	33	

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