

UNIVERSITY OF ORADEA
FACULTY OF ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY
Licence's Degree Program: **ECONOMIC ENGINEERING IN ELECTRIC, ELECTRONIC AND
ENERGETIC FIELD**

Fundamental Field: **ENGINEERING SCIENCES**
Undergraduate Field: **ENGINEERING AND MANAGEMENT**

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 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-0003	Mathematical Analysis	FD	2	1	-	-	42	Ex	3	33	
IETI-0002	Linear algebra, analytical and differential geometry	FD	2	1	-	-	42	Ex	4	58	
IETI-0013	Physics	FD	2	1	-	-	42	Ex	3	33	
IETI-1050	Chemistry	FD	2	1	-	-	42	Ex	3	33	
IETI-0769	Applied informatics	FD	2	-	2	-	56	Vp	4	44	
IETI-1101	Technical and infographic drawing I	FD	2	-	1	-	42	Vp	4	58	
IETI-0189	Elements of mechanical engineering	DD	2	-	1	-	42	Ex	4	58	
IETI-0212	Technological methods and procedures	DD	2	-	1	-	42	Vp	3	33	
IETI-0998	English language I	CD	-	2	-	-	28	Vp	2	22	
	TOTAL		16	6	5	-	378		30	372	
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-0138	Computer programming and programming languages	FD	2	-	2	-	56	Ex	4	44	
IETI-1102	Technical and infographic drawing II	FD	2	-	2	-	56	Vp	5	69	
IETI-0787	Economy basis	FD	2	2	-	-	56	Ex	5	69	
IETI-0835	Fundamentals of Electrical Engineering I	DD	2	2	1	-	70	Ex	6	80	
IETI-0247	Electromagnetic field theory	DD	2	1	-	-	42	Vp	4	58	
IETI-1002	English language II	CD	-	2	-	-	28	Vp	2	22	
	TOTAL		12	9	5	-	364		30	386	
IETI-1000	Physical Education and Sport II	CD	-	1	-	-	14	A/R	1	11	
	FACULTATIVE										
IETI-0518	History of science and civilization	CD	2	1	-	-	42	Vp	3	33	

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Code	Disciplines*	Type	Sem. III [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IETI-0838	Fundamentals of Electrical Engineering II	DD	2	1	1	-	56	Ex	4	44	
IETI-0796	Managerial communication	DD	2	1	-	-	42	Vp	4	58	
IETI-0203	Electric and electronic measurements I	DD	2	-	1	-	42	Ex	3	33	
IETI-1026	Electronics I	DD	2	-	1	-	42	Ex	4	58	
IETI-0210	Numerical methods	FD	2	-	2	-	56	Vp	4	44	
IETI-0822	Law	DD	2	1	-	-	42	Vp	4	58	
IETI-1005	English language III	CD	-	2	-	-	28	Vp	2	22	
	TOTAL		12	5	5	-	308		25	317	
	OBLIGATORII OPDȘI ÎNTERDISCIPLINARE										
IETI-0505	General economy	CD	2	2	-	-	56	Ex	5	69	
IETI-1108	Academic Ethics and Integrity	CD	2	2	-	-	56	Ex	5	69	
	TOTAL		2	2	-	-	56		5	69	
IETI-1003	Physical Education and Sport III	CD	-	1	-	-	14	A/R	1	11	
	FACULTATIVE										
IETI-0511	Philosophy	CD	2	1	-	-	42	Vp	3	33	

Code	Disciplines*	Type	Sem. IV [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IETI-0176	Electromagnetic compatibility	DD	2	2	-	-	56	Ex	4	44	
IETI-1066	Management basis	DD	2	-	-	2	56	Vp	4	44	
IETI-1027	Electronics II	DD	2	-	1	-	42	Vp	3	33	
IETI-0493	Accounting	DD	2	2	-	-	56	Ex	4	44	
IETI-1028	Business Informatics	SD	2	-	1	-	42	Vp	3	33	
IETI-0519	Economic Legislation	DD	2	-	-	-	28	Ex	3	47	
IETI-1014	English language IV	CD	-	2	-	-	28	Vp	2	22	
IETI-1037	Domain practice	DD	-	-	-	-	90	Cv	4	10	
	TOTAL		12	6	2	2	398		27	277	
	OBLIGATORII OPDȘI ÎNTERDISCIPLINARE										
IETI-0204	Electric and electronic measurements II	DD	2	-	1	-	42	Ex	3	33	
IETI-0159	Systems Theory	DD	2	-	1	-	42	Ex	3	33	
	TOTAL		2	-	1	-	42		3	33	
IETI-1006	Physical Education and Sport IV	CD	-	1	-	-	14	A/R	1	11	

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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-1114	Small and medium business management	SD	2	2	-	-	56	Ex	4	44	
IETI-1046	Quality and reliability	SD	2	-	2	-	56	Vp	4	44	
IETI-1029	Automatic control theory	SD	2	-	1	-	42	Ex	4	58	
IETI-0182	Electrical equipments	DD	2	-	1	-	42	Vp	4	58	
IETI-0565	Marketing	DD	2	2	-	-	56	Ex	5	69	
IETI-1089	Finance and credits	DD	2	1	-	-	42	Vp	3	33	
IETI-0500	Labour law	SD	2	-	-	-	28	Vp	3	47	
	TOTAL		14	5	4	-	322		27	353	
	OBLIGATORII OPD'Z'IONALE										
IETI-0257	Static convertors	DD	2	-	1	-	42	Ex	3	33	
IETI-0256	Electromagnetic convertors	DD	2	-	1	-	42	Ex	3	33	
	TOTAL		2	-	1	-	42		3	33	
	FACULTATIVE										
IETI-0573	Sociology	CD	2	2	-	-	56	Vp	3	19	
IETI-1015	English 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-0461	Electrically driven systems	SD	2	-	2	2	84	Ex	6	66	
IETI-0460	Microprocessor systems	SD	2	-	2	-	56	Vp	4	44	
IETI-0205	Electrotechnic materials	DD	2	-	2	-	56	Ex	3	19	
IETI-1030	Automation	SD	2	-	-	1	42	Ex	3	33	
IETI-1036	Logistics management	DD	2	-	1	-	42	Vp	3	33	
IETI-1100	International law	DD	2	-	-	-	28	Ex	3	47	
IETI-1038	Specialty practice	SD	-	-	-	-	90	Cv	4	10	
	TOTAL		12	-	7	3	398		26	252	
	OBLIGATORII OPD'Z'IONALE										
IETI-0484	Financial and economic analysis	DD	2	2	-	-	56	Vp	4	44	
IETI-1097	Economic statistic	DD	2	2	-	-	56	Vp	4	44	
	TOTAL		2	2	-	-	56		4	44	
	FACULTATIVE										
IETI-1016	English language VI	CD	-	2	-	-	28	Ex	2	22	
IETI-0517	Inventions and industrial property	DD	2	1	-	-	42	Vp	3	33	

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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-1031	Computer assisted design in electrical systems	SD	2	-	-	1	42	Ex	4	58	
IETI-0190	Energetics surse	DD	2	-	2	-	56	Ex	4	44	
IETI-0269	Electrothermy	SD	2	-	2	-	56	Vp	5	69	
IETI-0486	Organizational behaviour	SD	2	2	-	-	56	Vp	4	44	
IETI-0558	Quality management	DD	2	2	-	-	56	Ex	4	44	
	TOTAL		10	4	4	1	266		21	259	
	OBLIGATORII OPd'z'IONALE										
	PACHET 1										
IETI-0497	Business law	SD	2	1	-	-	42	Vp	4	58	
IETI-1032	Financial law	SD	2	1	-	-	42	Vp	4	58	
	PACHET 2										
IETI-0813	International management	DD	2	2	-	-	56	Ex	5	69	
IETI-0553	Finacial management	DD	2	2	-	-	56	Ex	5	69	
	TOTAL		4	3	-	-	98		9	127	
	FACULTATIVE										
IETI-0566	Strategic marketing	SD	2	-	2	-	56	Vp	3	19	
IETI-0574	Labour science and human resources	SD	2	-	1	-	42	Vp	2	8	

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-1033	Product Life Cycle Management	SD	2	2	-	-	56	Ex	4	44	
IETI-1113	Entrepreneurship	SD	3	-	-	2	70	Ex	5	55	
IETI-0564	Human resources management	SD	2	2	-	-	56	Ex	4	44	
IETI-1044	Practice for the diploma project	SD	-	-	-	-	60	Cv	4	40	
IETI-1022	Diploma project development	SD	-	-	-	4	56	Cv	4	44	
	TOTAL		7	4	-	6	298		21	227	
	OBLIGATORII OPd'z'IONALE										
	PACHET 1										
IETI-0468	Digital systems	SD	2	-	-	-	28	Vp	2	22	

IETI-0155	Multimedia Systems	SD	2	-	-	-	28	Vp	2	22	
	PACHET 2										
IETI-1090	Flexible production systems	SD	2	-	1	-	42	Ex	3	33	
IETI-0197	Electrical installations	SD	2	-	1	-	42	Ex	3	33	
	PACHET 3										
IETI-1034	Organization management	SD	2	2	-	-	56	Vp	4	44	
IETI-1035	Performance management	SD	2	2	-	-	56	Vp	4	44	
	TOTAL		6	2	1	-	126		9	99	

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