

**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					
	<b>OBLIGATORII IMPUSE</b>										
IETI-0003	Mathematical Analysis	FD	2	2	-	-	56	Ex	4	48	
IETI-0002	Linear algebra, analytical and differential geometry	FD	2	1	-	-	42	Ex	4	62	
IETI-0013	Physics	FD	2	2	-	-	56	Ex	4	48	
IETI-0769	Applied informatics	FD	2	1	2	-	70	Vp	4	34	
IETI-0833	Internet services	SD	2	-	1	-	42	Vp	4	62	
IETI-0180	Technical drawing	FD	2	-	2	-	56	Vp	3	22	
IETI-0832	Passive components and circuits	DD	2	1	-	-	42	Ex	4	62	
IETI-0998	English language I	CD	-	1	-	-	14	Vp	3	64	
	<b>TOTAL</b>		<b>14</b>	<b>8</b>	<b>5</b>	<b>-</b>	<b>378</b>		<b>30</b>	<b>402</b>	
IETI-0999	Physical Education and Sport I	CD	-	1	-	-	14	A/R	1	12	
	<b>FACULTATIVE</b>										
IETI-0024	Educational psychology	CD	2	1	-	-	42	Vp	2	10	

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					
	<b>OBLIGATORII IMPUSE</b>										
IETI-0009	Special mathematics	FD	2	2	-	-	56	Ex	4	48	
IETI-0932	Internet programming techniques	DD	2	-	1	-	42	Vp	4	62	
IETI-0831	Material for electronics	DD	2	-	1	-	42	Vp	3	36	
IETI-0834	Electronic devices	DD	2	-	1	-	42	Ex	5	88	
IETI-0835	Fundamentals of Electrical Engineering I	DD	2	1	1	-	56	Ex	4	48	
IETI-0138	Computer programming and programming languages	FD	2	-	2	-	56	Vp	3	22	
IETI-0350	Electronic Technology	SD	2	-	1	-	42	Ex	4	62	
IETI-0408	Mechanical engineering	SD	2	-	1	-	42	Vp	3	36	
	<b>TOTAL</b>		<b>16</b>	<b>3</b>	<b>8</b>	<b>-</b>	<b>378</b>		<b>30</b>	<b>402</b>	
IETI-1000	Physical Education and Sport II	CD	-	1	-	-	14	A/R	1	12	
	<b>FACULTATIVE</b>										
IETI-0020	Pedagogy I	SD	2	1	-	-	42	Vp	2	10	

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**Year of study II**

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					
<b>OBLIGATORII IMPUSE</b>											
IETI-0836	Basic electronic circuits	DD	2	-	1	-	42	Ex	4	62	
IETI-0110	Digital integrated circuits I	DD	2	-	1	-	42	Vp	3	36	
IETI-0193	Computer aided graphics	FD	2	-	2	-	56	Vp	4	48	
IETI-0382	Signals and Systems I	DD	2	-	1	-	42	Ex	4	62	
IETI-1001	Computer aided graphics - project	FD	-	-	-	2	28	Vp	2	24	
IETI-0838	Fundamentals of Electrical Engineering II	DD	2	-	1	-	42	Ex	3	36	
IETI-0933	Analog integrated circuits	DD	2	-	2	-	56	Ex	4	48	
IETI-0839	Measurements in Electronics and Telecommunications	DD	2	-	1	-	42	Ex	4	62	
IETI-1002	English language II	CD	-	1	-	-	14	Vp	2	38	
<b>TOTAL</b>			<b>14</b>	<b>1</b>	<b>9</b>	<b>2</b>	<b>364</b>		<b>30</b>	<b>416</b>	
IETI-1003	Physical Education and Sport III	CD	-	1	-	-	14	A/R	1	12	
<b>FACULTATIVE</b>											
IETI-0021	Pedagogy II	CD	2	1	-	-	42	Vp	2	10	
IETI-0439	Scientific research methodology	CD	2	1	-	-	42	Vp	2	10	

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					
<b>OBLIGATORII IMPUSE</b>											
IETI-0837	Object oriented programming	DD	2	-	1	-	42	Vp	3	36	
IETI-1004	SPICE models	DD	2	-	1	1	56	Ex	4	48	
IETI-0383	Signals and Systems II	DD	2	1	1	-	56	Ex	4	48	
IETI-0210	Numerical methods	FD	2	2	1	-	70	Vp	4	34	
IETI-0111	Digital integrated circuits II	DD	2	-	1	-	42	Ex	4	62	
IETI-0264	Industrial electrotechnics	SD	2	-	1	-	42	Vp	3	36	
IETI-0395	Theory of Information transmission	DD	2	-	1	-	42	Ex	4	62	
IETI-1005	English language III	CD	-	1	-	-	14	Vp	1	12	
IETI-0037	Practice I	DD	-	-	-	-	90	Cv	3	0	
<b>TOTAL</b>			<b>14</b>	<b>4</b>	<b>7</b>	<b>1</b>	<b>454</b>		<b>30</b>	<b>338</b>	
IETI-1006	Physical Education and Sport IV	CD	-	1	-	-	14	A/R	1	12	
<b>FACULTATIVE</b>											
IETI-0018	Didactics of the specialization	CD	2	1	-	-	42	Vp	2	10	
IETI-0563	Project management	CD	2	1	-	-	42	Vp	2	10	

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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					
<b>OBLIGATORII IMPUSE</b>											
IETI-0823	Industrial Electronics	SD	2	-	2	-	56	Ex	4	48	
IETI-0824	Industrial Electronics - project	SD	-	-	-	1	14	Vp	1	12	
IETI-0828	Nano and micro technologies for electronics	SD	2	1	-	-	42	Ex	4	62	
IETI-0848	Nano and Microtechnologies for electronics - Project	SD	-	-	-	1	14	Vp	1	12	
IETI-0845	Fundamentals of data acquisition systems	DD	2	-	2	-	56	Ex	5	74	
IETI-0846	Digital Signal Processing	DD	2	-	1	-	42	Ex	4	62	
IETI-0410	Electrical Drives	SD	2	-	1	-	42	Vp	3	36	
<b>TOTAL</b>			<b>10</b>	<b>1</b>	<b>6</b>	<b>2</b>	<b>266</b>		<b>22</b>	<b>306</b>	
<b>OBLIGATORII OPȚIONALE</b>											
PACHET 1											
IETI-0325	Microprocessors and Microcontrollers	DD	2	-	2	-	56	Ex	5	74	
IETI-0333	Design with microcontrollers	DD	2	-	2	-	56	Ex	5	74	
PACHET 2											
IETI-0666	Microprocessors and microcontrollers - project	DD	-	-	-	1	14	Vp	1	12	
IETI-0667	Design with microcontrollers - project	DD	-	-	-	1	14	Vp	1	12	
PACHET 3											
IETI-0555	Industrial management	CD	2	-	-	-	28	Vp	2	24	
IETI-0577	Communication Techniques	CD	2	-	-	-	28	Vp	2	24	
<b>TOTAL</b>			<b>4</b>	<b>-</b>	<b>2</b>	<b>1</b>	<b>98</b>		<b>8</b>	<b>110</b>	
<b>FACULTATIVE</b>											
IETI-0545	Foreign Language IV	CD	-	2	-	-	28	Vp	2	24	
IETI-0435	Inventions	CD	2	-	-	-	28	Vp	2	24	

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					
<b>OBLIGATORII IMPUSE</b>											
IETI-0405	Reliability	SD	2	-	-	-	28	Vp	2	24	
IETI-0847	Television	DD	2	-	2	-	56	Ex	4	48	
IETI-0375	Image Processing and Analysis	SD	2	-	1	1	56	Ex	5	74	
IETI-0306	Power Electronic Converters	SD	2	-	2	-	56	Ex	4	48	
IETI-0825	Microwaves	DD	2	-	2	-	56	Ex	5	74	
IETI-0504	General Economics	CD	2	-	-	-	28	Vp	2	24	
IETI-0038	Practice II	DD	-	-	-	-	90	Cv	2	0	
<b>TOTAL</b>			<b>12</b>	<b>-</b>	<b>7</b>	<b>1</b>	<b>370</b>		<b>24</b>	<b>292</b>	
<b>OBLIGATORII OPȚIONALE</b>											
PACHET 1											
IETI-0398	Analog and Digital Transmissions	SD	2	-	1	-	42	Vp	3	36	
IETI-0385	Mobile Communications Systems	SD	2	-	1	-	42	Vp	3	36	
PACHET 2											
IETI-0100	Computer Architecture	SD	2	-	1	-	42	Vp	3	36	
IETI-0449	Computer networks	SD	2	-	1	-	42	Vp	3	36	
<b>TOTAL</b>			<b>4</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>84</b>		<b>6</b>	<b>72</b>	
<b>FACULTATIVE</b>											
IETI-0593	Foreign Language V	CD	-	2	-	-	28	Vp	2	24	
IETI-0238	New Energy Sources	SD	2	-	1	-	42	Vp	4	62	

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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					
<b>OBLIGATORII IMPUSE</b>											
IETI-0331	Digital Signal Processors	SD	2	-	1	1	56	Ex	4	56	
IETI-0321	Medical electronics	SD	2	-	1	-	42	Ex	4	70	
IETI-0448	Automata System Design	SD	2	-	1	-	42	Vp	3	42	
IETI-0936	Optoelectronics	SD	2	-	1	-	42	Vp	3	42	
IETI-0305	Control of Electronic Equipment	SD	2	-	1	-	42	Ex	4	70	
IETI-0850	Virtual instrumentation for electronic systems	SD	2	-	1	-	42	Ex	4	70	
<b>TOTAL</b>			<b>12</b>	<b>-</b>	<b>6</b>	<b>1</b>	<b>266</b>		<b>22</b>	<b>350</b>	
<b>OBLIGATORII OPȚIONALE</b>											
PACHET 1											
IETI-0851	Electronic systems in robotics	SD	2	-	2	-	56	Ex	4	56	
IETI-0338	Mobile Robots	SD	2	-	2	-	56	Ex	4	56	
PACHET 2											
IETI-0356	Computer Vision	SD	2	-	1	-	42	Vp	4	70	
IETI-0355	Active Vision	SD	2	-	1	-	42	Vp	4	70	
<b>TOTAL</b>			<b>4</b>	<b>-</b>	<b>3</b>	<b>-</b>	<b>98</b>		<b>8</b>	<b>126</b>	
<b>FACULTATIVE</b>											
IETI-0290	Complex Electronic Devices	SD	2	-	1	-	42	Vp	3	42	

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					
<b>OBLIGATORII IMPUSE</b>											
IETI-0295	Ultrasounds Applications	SD	2	-	2	-	56	Ex	3	28	
IETI-0337	Neural Networks	SD	2	-	1	-	42	Vp	3	42	
IETI-0934	Pattern recognition in electronics and telecommunications	SD	2	-	2	-	56	Ex	4	56	
IETI-0935	Reconfigurable electronic systems	SD	2	-	1	-	42	Ex	3	42	
IETI-0806	Practice for diploma project development	DD	-	-	5	-	70	Vp	10	210	
<b>TOTAL</b>			<b>8</b>	<b>-</b>	<b>11</b>	<b>-</b>	<b>266</b>		<b>23</b>	<b>378</b>	
<b>OBLIGATORII OPȚIONALE</b>											
PACHET 1											
IETI-0367	Optical Communication	SD	2	-	1	-	42	Vp	3	42	
IETI-0400	Optical Information Transmission	SD	2	-	1	-	42	Vp	3	42	
PACHET 2											
IETI-0352	Electronic Equipments Testing	SD	2	-	2	-	56	Ex	4	56	
IETI-0312	Complex Electronic Equipments	SD	2	-	2	-	56	Ex	4	56	
<b>TOTAL</b>			<b>4</b>	<b>-</b>	<b>3</b>	<b>-</b>	<b>98</b>		<b>7</b>	<b>98</b>	
IETI-0852	Licensing exam	SD	-	-	-	-	0	Ex	10	280	
<b>FACULTATIVE</b>											
IETI-0594	Foreign Language VI	CD	-	2	-	-	28	Vp	2	28	

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