



CURRICULUM

Professional orientation: **Transport, Navigation and Aviation**
 Program: **Electrical Equipment of Ships**
 Professional qualification: **Engineer on Ships Electrical Equipment**
 Educational and qualificational degree: **Bachelor**
 Form of study: **Full - Time**
 Term of study: **4 years / 8 semesters**

No	Subject Name	Types of term control				Semester auditorium load					Unsupervised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mathematics, part 1	1				15	45			195	135	330	7
2	Physics	1				30	15	15		195	135	330	7
3	Computer Technologies		1			15		15		135	105	240	5
4	Technical Documentation		1			15		15		135	105	240	5
5	English, part 1				1		30			60	30	90	2
6	Practical Training, part 1				1					120	120	240	4
7	Optional Subject				1					30	30	60	1
7a	Specialized Sport Activities, part 1				1						30	30	1
7b	Sport and Social Adaptation, part 1				1						30	30	1
Total for the 1 semestar:		2	2		3	75	90	45		870	660	1530	31
8	Mathematics, part 2	2				30	30			135	75	210	5
9	Theoretical Electrical Engineering, part 1	2				30		30		135	75	210	5
10	General Arrangement of Ships	2				30		15		135	90	225	5
11	Electrical Measurements	2				30		30		135	75	210	5
12	Materials in Electrical Engineering		2			30		30		135	75	210	5
13	Industrial Chemistry		2			15		30		105	60	165	4
14	English, part 2				2		30			60	30	90	2
15	Practical Training, part 2				2					120	120	240	4
16	Optional Subject				2					30	30	60	1
16a	Specialized Sport Activities, part 2				2						30	30	1
16b	Sport and Social Adaptation, part 2				2						30	30	1
Total for the 2 semestar:		4	2		3	165	60	135		990	630	1620	36
17	Theoretical Electrical Engineering, part 2	3				30		30		165	105	270	6
18	Technical Mechanics	3				30	15			135	90	225	5
19	Ship Power Electronics, part 1		3			30		15		135	90	225	5
20	Maritime Law	3				30	15			135	90	225	5
21	Electrical Machines and Apparatus, part 1	3				30		30		165	105	270	6
22	English, part 3		3				30			60	30	90	2
23	Practical Training, part 3				3					90	90	180	3

No	Subject Name	Types of term control				Semester auditorium load					Unsupervised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
24	Practice in Technical Mechanics				3					30	30	60	1
25	Optional Subject				3					30	30	60	1
25a	Specialized Sport Activities, part 3				3						30	30	1
25b	Sports Management, part 1				3						30	30	1
Total for the 3 semestar:		4	2		3	150	60	75		945	660	1605	34
26	Electrical Machines and Apparatus, part 2	4				30		30		135	75	210	5
27	Material Science	4				15		15		105	75	180	4
28	Fluid Mechanics	4				15		15		105	75	180	4
29	Technical Thermodynamics	4				30		30		135	75	210	5
30	Digital and Microprocessor Technics		4			30		30		135	75	210	5
31	English Language - specialized, part 1		4				30			90	60	150	3
32	Practical Training, part 4				4					120	120	240	4
33	Optional Subject				4					30	30	60	1
33a	Specialized Sport Activities, part 4				4						30	30	1
33b	Sports Management, part 2				4						30	30	1
Total for the 4 semestar:		4	2		2	120	30	120		855	585	1440	31
34	Ship Electronics and Microprocessor Systems	5				30		30		165	105	270	6
35	High Voltage Engineering	5				30		30		165	105	270	6
36	Ships Machines, Mechanisms, Systems and Equipment	5				30		30		165	105	270	6
37	Base of Automation		5			30	15	15		135	75	210	5
38	English Language - specialized, part 2		5				30			90	60	150	3
39	Technical Safety	5				30		15		105	60	165	4
40	Practical Training, part 5				5					120	120	240	4
Total for the 5 semestar:		4	2		1	150	45	120		945	630	1575	34
41	Elements of Ships Automation	6				30		30		165	105	270	6
42	Power Supply Stations in Specialized Floating Objects	6				30		30		165	105	270	6
43	Ships Electric Power Systems, part 1	6				30		30		165	105	270	6
44	Ship Power Electronics, part 2	6				30		30		165	105	270	6
45	English Language - specialized, part 3		6				30			90	60	150	3
46	Practical Training, part 6				6					120	120	240	4
Total for the 6 semestar:		4	1		1	120	30	120		870	600	1470	31
47	Ships Electric Power Systems, part 2	7				30		30		165	105	270	6
48	Ship Electrical Drives and Electrical Propulsion, part 1	7				30		30		195	135	330	7
49	Maintenance of Ships Electronic and Electrical Equipment, part 1		7			30		30		165	105	270	6
50	Ships Electric Power Systems, project			7					30	75	75	150	4
51	English Language - specialized, part 4		7				60			120	60	180	4
52	Practical Training, part 7				7					90	90	180	3
53	Educational Technological and Simulator Practice				7					30	30	60	1
Total for the 7 semestar:		2	2	1	2	90	60	90	30	840	600	1440	31
54	Ship Complex Automation	8				30		30		165	105	270	6
55	Ship Electrical Drives and Electrical Propulsion, part 2	8				30		30		165	105	270	6
56	Installation, Operation, Dagnostics and Repair of Ship Electrical Equipment	8				30		30		135	75	210	5
57	Maintenance of Ships Electronic and Electrical Equipment, part 2	8				15		15		105	75	180	4
58	English Language - specialized, part 5		8				60			165	105	270	6
59	Practical Training, part 8				8					120	120	240	4

No	Subject Name	Types of term control				Semester auditorium load					Unsuper vised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
60	Onboard Training				8					960	960	1920	32
Total for the 8 semestar:		4	1		2	105	60	105		1815	1545	3360	63
Total for all corses of education:		28	14	1	17	975	435	810	30	8130	5910	14040	291

Facultative subjects

No	Subject Name	Types of term control				Semester auditorium load incl:					Unsuper-vised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Additional Training for Seafarers in Compliance with STCW Convention, part 1				2	40		20		60	60	120	4
2	Additional Training for Seafarers in Compliance with STCW Convention, part 2				4	20		6		26	34	60	2
3	Additional Training for Seafarers in Compliance with STCW Convention, part 3				6	12		28		40	50	90	3
4	Additional Training for Seafarers in Compliance with STCW Convention, part 4				7	20		20		40	50	90	3
5	Additional Training for Seafarers in Compliance with STCW Convention, part 5				8	55		40		95	95	190	7
6	Additional Training for Seafarers in Compliance with STCW Convention, part 6				6	23		17		40	50	90	3

Types of graduation	Semester	Unsupervised load	ECTS credits
State examination in English	8	300	10
	8		
	8		

Note:

1. The duration of the optional discipline "Onboard Training" is 6 months. It is conducted after the 4th, 6th and 8th semester and/or partially during the period of state exams preparation.
2. The facultative subjects are a necessary prerequisite for starting an onboard practice aimed at attaining seafarer's license.

Accepted from AU with

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Valid for 2016 / 2017 r. academic year.

Head of Department EPSEE:

/ Assoc. Prof. PhD Gyurov V. /

Dean of Faculty FEE:

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