



## TECHNICAL UNIVERSITY OF VARNA

Ratified by:

Rector .....

/Prof. Rosen Vasilev, DSc/

## CURRICULUM

Professional orientation: **TRANSPORT, NAVIGATION AND AVIATION**

Educational and qualification degree: **MASTER**

Programme: **MARINE ENGINEERING**

Professional qualification: **MARINE ENGINEER**

Mode of study: **FULL - TIME**

Length of study: **1,5 years / 3 semesters**

For holders of educational and qualification degree "Bachelor" in speciality "Marine Engineering"

Number	Subject Name	Forms of assessment				Weekly auditorium load						Unsupervised load	Whole load of students	ECTS credits
		Exams	Inter-semester Evaluation	Course project	Accepted	Lectures	Seminars			Laboratory Exercises	Total load			
							Seminar Exercises	Course project	Assignment					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Structure Details of Ships and Marine Structures	*				30			15	30	75	105	180	6
2	Structural and Fluid Analysis of Ship Machinery and Systems	*				30			15	30	75	105	180	6
3	Electrical Engineering and Electronics at the Management Level	*				30				30	60	90	150	5
4	Marine Diesel Engines - specialized course	*				30			15	30	75	105	180	6
5	<i>Optional Subject</i>		*			30	30				60	90	150	5
a	International Maritime Law, Conventions and Contracts													
b	Risk Analysis													
6	English at the Management Level - part 1		*				45				45	75	120	4
<b>Total for the 1 semester:</b>		<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>150</b>	<b>75</b>	<b>0</b>	<b>45</b>	<b>120</b>	<b>390</b>	<b>570</b>	<b>960</b>	<b>32</b>
7	Marine Auxiliary Machinery - specialized course	*				30			15	30	75	105	180	6
8	Combined Power Plants	*				30			15	30	75	105	180	6
9	Electrical Engineering and Electronics at the Management Level - specialized course	*				30				30	60	90	150	5
10	Technical Maintenance of Marine Machinery	*				30				30	60	90	150	5
11	<i>Optional Subject</i>		*			30				30	60	90	150	5
a	Team Management and Actions in Crisis Situations													
b	Computer Systems for Engine Room Design													
12	English at the Management Level - part 2		*				45				45	75	120	4
<b>Total for the 2 semester:</b>		<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>150</b>	<b>45</b>	<b>0</b>	<b>30</b>	<b>150</b>	<b>375</b>	<b>555</b>	<b>930</b>	<b>31</b>
13	Pre-diploma Practice				*							120	120	4
<b>Total for the 3 semester:</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120</b>	<b>120</b>	<b>4</b>
<b>Totals for the whole course of education</b>		<b>8</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>300</b>	<b>120</b>	<b>0</b>	<b>75</b>	<b>270</b>	<b>765</b>	<b>1245</b>	<b>2010</b>	<b>67</b>

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>Facultative Subjects</b>														

Types of graduation	Semester	Unsupervised load	ECTS credits
Preparation of Diploma Thesis	3	450	15
Defense of Diploma Thesis			

**Note:**

The curriculum is valid for the training in Bulgarian and English

**Approved by the Academic Board of TU-Varna:**

Protocol № 32 / 29.06.2018 r.

Modified with Protocols:

**Valid from 2018/2019 academic year**

The weekly plan of the lessons is fixed according to the Academic Board "Structure of the Learning Process" adopted for the current academic year.

Head of Department:

/Assoc. Prof. I. Kostova, PhD/

Dean of Faculty:

/Assoc. Prof. I. Hadzhidimov, PhD/

Executive Director of Executive Agency "Maritime Administration":

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