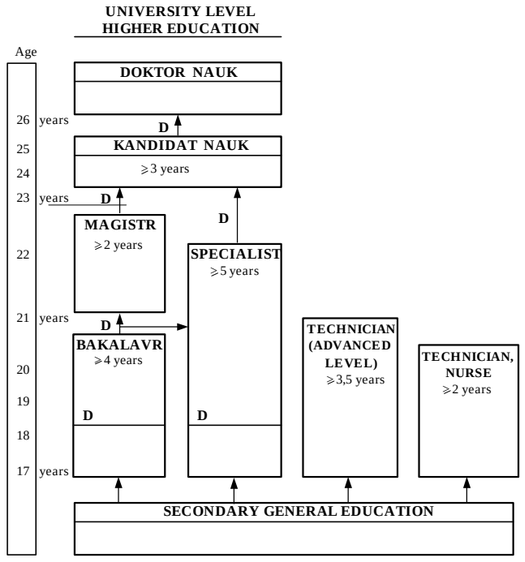
5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION		
5.1	Access to further study:	Diploma of Specialist holders are eligible for admission to postgraduate doctoral studies.
5.2	Professional Status:	Diploma of Marine Engineer opens access to professional practice in marine-related engineering. Graduates are expected to be engaged in design, manufacture, technical servicing and control of marine engineering products, systems and processes. Speciality "Ship Electrical and Automatic Systems" is mainly focused on Marine Systems Design and Control.
6. ADDITIONAL INFORMATION		
6.1	Additional Information:	St.Petersburg State Marine Technical University (former Leningrad Shipbuilding Institute) was founded in 1930. It gained its reputation for remarkable contributions to the development of Russian Fleet, Marine Engineering and Marine-related Science. Since 1992, when the Institute got the university status the area of studies has been continuously extending. At present SPbSMTU is an internationally recognized institution that offers a wide range of programs leading to Diploma Specialist and also to Bachelor and Master Degrees in its profile disciplines, in general engineering and beyond the technical area. SPbSMTU is licensed by RF Ministry of Education to hold educational activities in the field of higher education (Licences: A No 000111of 20.11.02, No 24Г-0407 of 01.04.99). SPbSMTU is accredited by RF Ministry of Education (Certificates No 0824 of 12.02.03, No25-0157 of 30.12.97)
6.2	Additional Information Sources:	Official website of SPbSMTU: <http://www.smtu.ru >. Official website of the RF Ministry of Education: <http://www.informika.ru/eng/> or <http://www.db.informika.ru/ic/>.
7. CERTIFICATION OF THE SUPPLEMENT		
	This Diploma Supplement is issued in full accordance with the following original document: ДИС 0126790. Date of issue: 15.03.2004.	
	Date of Signature:	15.03.2004
	Official Stamp / Seal	Vice Rector for Academic Affairs A. V. Smolnikov Secretary

8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM:



The Russian Federation Ministry of Education

SAINT-PETERSBURG STATE MARINE TECHNICAL UNIVERSITY

DIPLOMA SUPPLEMENT

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgments, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION		
1.1	Family name:	Sokolov (Соколов)
1.2	Given names:	Andrey (Андрей)
1.3	Date (place, country) of birth:	18.02.1980, Saint-Petersburg, Russia
1.4	Student identification number or code:	University student reference code: 963225
2. INFORMATION IDENTIFYING THE QUALIFICATION		
2.1	Name of qualification, Name of title (full, abbreviated):	Профессиональная квалификация «Морской Инженер» (professionalnaya kvalifikatsiya "Morskoy Inzhener" – professional qualification «Marine Engineer). Name of title and abbreviation are not applicable.
	Date of award:	February 05, 2004
2.2	Main field(s) of study for the qualification:	Field of study: Marine Infrastructure Objects Systems Speciality: Ship Electrical and Automatic Systems
2.3	Name and status of awarding institution	Санкт-Петербургский государственный морской технический университет (Saint-Petersburg State Marine Technical University – SPbSMTU). Status: State University / under the jurisdiction of the Russian Federation Ministry of Education.
2.4	Name and status of institution administering studies:	Same as in 2.3
2.5	Language(s) of instruction / examination:	Russian
3. INFORMATION ON THE LEVEL OF THE QUALIFICATION		
3.1	Level of qualification:	A complete university level higher education program leading to qualification of Diploma Specialist (*Diplom Spetsialista)*. According to the Russian Federation State Educational Standard of Higher Professional Education it refers to the third (out of three) level of higher studies.
3.2	Official length of the program :	Five and a half years of study with a full amount of study work of 330 ECTS credits.
3.3	Access requirement:	The Certificate of Secondary (Complete) General Education (*Attestat o Srednem (Polnom) Obschem Obrazovanii)* and Entrance examnations.
4. INFORMATION ON THE CONTENTS AND RESULTS GAINED		
4.1	Mode of study:	Full-time
4.2	Program requirements:	The function of the program is to provide professionally- oriented education. The curriculum is structured to combine both engineering fundamentals and professional disciplines. Teaching consists of lectures, seminars, workshops and training. Forms of assessment are tests, oral exams and course papers. A State Final Attestation that includes the passing of the Cross-disciplinary Examination and the defense of the Diploma Project/ Work completes the studies.
4.3	Program details:	Program details including course contents, assessment grades and study work in ECTS credits are given on the inside of the page. One academic year consists of two semesters.
4.4	Grading scheme, grade distribution guidance	The assessment grades are based on a 2 to 5 scale. Where «отлично» (*otlichno* – excellent) stands for 5 out of 5; «хорошо» (*khorosho* – good) stands for 4 out of 5; «удовлетворительно» (*udovletvoritelno* – satisfactory) stands for 3 out of 5; «неудовлетворительно» (*neudovletvoritelno* – fail) stands for 2 out of 5. The assessment can be also made in terms of : «зачтено» (*zachteno* – passed) or «не зачтено» (*nezachteno* – not passed). The lowest passing grades are «удовлетворительно» (satisfactory) and «зачет» (passed). Students are only permitted to enroll in the next year of study and to be awarded a Diploma if they have passing grades in each subject of the curriculum.
4.5	Overall classification:	Diploma with Honors

Semester 1

COURSE CONTENTS	GRADES	ETCS CREDITS
Physical Training	Зачет	1.5
Foreign Language I	Зачет	3.0
History I	Зачет	1.5
Cultural Studies I	Зачет	3.0
Algebra and Analytical Geometry	Отлично	3.0
Mathematical Analysis I	Отлично	3.0
Computer Engineering and Programming	Зачет	6.0
Mechanical Science	Зачет	2.0
Chemistry I	Зачет	2.0
Marine Encyclopedia	Отлично	3.0
Descriptive Geometry	Зачет	2.0
TOTAL:		**30**

Semester 2

COURSE CONTENTS	GRADES	ETCS CREDITS
Physical Training	Зачет	1.5
Foreign Language II	Зачет	3.0
History II	Отлично	2.0
Cultural Studies II	Зачет	1.5
Mathematical Analysis II	Хорошо	6.0
Computer-aided Data Processing Systems I	Зачет	6.0
Physics I	Зачет	2.5
Chemistry II	Отлично	1.5
Applied Mechanics	Отлично	3.5
Computer-aided Graphics	Зачет	1.5
Problem Statement and Taking Decisions	Зачет	1.0
TOTAL:		**30**

Semester 3

COURSE CONTENTS	GRADES	ETCS CREDITS
Physical Training	Зачет	1.5
Foreign Language III	Зачет	3.5
Mathematical Analysis III	Отлично	3.5
Physics II	Отлично	3.5
Electrical Engineering Basis I	Отлично	3.5
Design Basis	Отлично	2.0
System Engineering Basis	Зачет	2.5
Introduction to Electrical Power Engineering	Зачет	2.0
Electromagnetic Field Theory	Зачет	2.0
Oscillation Theory	Зачет	2.0
Computer-aided Data Processing Systems II	Зачет	4.0
TOTAL:		**30**

Semester 4

COURSE CONTENTS	GRADES	ETCS CREDITS
Physical Training	Зачет	1.5
Philosophy	Отлично	4.0
Probability Theory and Mathematical Statistics	Отлично	3.0
Discrete Mathematics Basis	Зачет	1.5
Computer-aided Data Processing Systems III	Зачет	6.0
Electrical Engineering Basis II	Отлично	3.5
Material Science	Отлично	3.5
Automatic Control Theory I	Хорошо	7.0
TOTAL:		**30**

Semester 5

COURSE CONTENTS	GRADES	ETCS CREDITS
Physical Training	Зачет	1.5
Law Studies	Зачет	1.5
Economics I	Зачет	2.0
Heat Technology for Power and Information Systems I	Отлично	3.5
Metrology, Standardization and Certification	Зачет	2.5
Electrical Engineering	Отлично	6.0
Automatic Control Theory II	Отлично	5.5
Control Objects I	Зачет	3.5
Automation Units I	Зачет	4.0
TOTAL:		**30**

Semester 6

COURSE CONTENTS	GRADES	ETCS CREDITS
Physical Training	Зачет	1.5
Psychology and Pedagogy	Зачет	1.5
Economics II	Зачет	2.5
Heat Technology for Power and Information Systems II	Зачет	1.5
Electronics Basis	Зачет	2.5
Control Objects II	Отлично	4.0
Automation Units II	Отлично	5.0
System of Logic Theory I	Отлично	3.0
Microprocessor Control Systems I	Отлично	3.0
System Reliability	Зачет	3.0
Electrical Machines	Зачет	2.5
TOTAL:		**30**

Semester 7

COURSE CONTENTS	GRADES	ETCS CREDITS
Physical Training	Зачет	1.5
Sociology	Зачет	1.5
Economics III	Отлично	3.5
Ecology	Зачет	2.0
Safe Activity Regulations I	Хорошо	2.0
Hydropneumatics Units and Functional Devices	Отлично	2.0
System of Logic Theory II	Зачет	3.0
Microprocessor Control Systems II	Зачет	3.0
Electro-drive Automatic Control	Отлично	2.5
Measuring Technique	Зачет	2.5
Experimentation Technique	Зачет	3.0
Electromagnetic Interference Elimination	Зачет	2.0
Ship Automation Functional Devices	Зачет	1.5
TOTAL:		**30**

Semester 8

COURSE CONTENTS	GRADES	ETCS CREDITS
Physical Training	Зачет	1.0
Political Studies	Зачет	2.0
Safe Activity Regulations II	Зачет	2.0.
Engineering Methodology	Зачет	2.5
Technical Diagnostics	Отлично	5.5
System Theory I	Отлично	2.0
System Assembling and Testing	Зачет	1.0
Electrical Drives	Отлично	3.5
Electrical Engineering System Functional Devices	Отлично	4.5
Industrial-based Practice	Отлично	6.0
TOTAL:		**30**

Semester 9

COURSE CONTENTS	GRADES	ETCS CREDITS
System Theory II	Зачет	3.0
Ship Electrical Power Systems	Зачет	2.5
System Modeling	Зачет	4.5
Ship Electrical Power System Design I	Отлично	2.0
Electro-drive for Industrial-scale Electrical Power Systems	Отлично	2.5
Electrical Equipment Adjustment and Testing	Зачет	5.0
Electrical Net Protection I	Отлично	1.5
Electrical Equipment Operations I	Отлично	1.5
Electrical Power System Modes	Зачет	1.5
Electrical Power Generation Sources	Зачет	3.0
Circuit Technology for Electrical Power Engineering	Зачет	3.0
TOTAL:		**30**

Semester 10

COURSE CONTENTS	GRADES	ETCS CREDITS
Ship Electrical Power System Design II	Зачет	5.5
Electrical Power System Automation	Зачет	2.0
Ship Electro-drive	Отлично	3.0
Electrical Station Automation	Зачет	3.0
Electrical Net Protection II	Зачет	2.0
Electrical Equipment Operations II	Зачет	2.5
Assembling Technology and Electrical Safety	Хорошо	3.5
Automation Devices for Electric Stations	Зачет	2.5
Job-oriented Practice	Зачет	6.0
TOTAL:		**30**

Semester 11

COURSE CONTENTS	GRADES	ETCS CREDITS
Engineering Practice	Отлично	9.0
Diploma Practice	Отлично	6.0
Preparation of Diploma Project	Зачет	15.0
TOTAL:		**30**

The Cross-disciplinary Examination and Defense of the Diploma: Отлично

Note: **In Russian Federation the study work is traditionally evaluated in academic hours (AH). 1 ECTS credit is approximately equal to 36 AH.**