

1. TITLE OF THE CERTIFICATE AND OF THE EDUCATION PROGRAMME (SL) ⁽¹⁾

**Spričevalo o poklicni maturi po izobraževalnem programu:
LADIJSKI STROJNI TEHNIK
(ID:356902)**

⁽¹⁾ In native language.

2. TRANSLATED TITLE OF THE CERTIFICATE AND OF THE EDUCATION PROGRAMME (EN) ⁽¹⁾

**School-leaving certificate:
MARINE ENGINEERING TECHNICIAN**

⁽¹⁾ This translation has no legal status.

3. ACQUIRED KNOWLEDGE, SKILLS AND PROFESSIONAL COMPETENCES

The holder of the certificate is qualified to:

- operate, maintain and repair the ship's engine, gas turbine, electrical, steering and regulation plants;
- operate shipborne freight loading, unloading or transport equipment;
- operate fire fighting equipment and leading the fighting of fires on board the ship;
- take appropriate measures in rescue situations and ensure survival at sea;
- provide first aid to injured persons;
- work in a team in the ship's working and living environment and cooperate with the deck service;
- assure protection against spillage of oil, petroleum products, oils and other ship discharges into the sea;
- perform dimensioning and design of machine parts, select standard machine elements and construct assemblies;
- select the technological procedure for processing, reworking or joining materials with respect to the material and intended use;
- select and use materials, tools and work accessories for processing and processes in various machine engineering fields;
- perform measurement and control procedures and use measurement and control machines, devices, tools and accessories;
- weigh the possibilities for developing and using unconventional energy sources and rational use of energy;
- assess the environmental viability of the use of individual machines, devices and systems;
- apply entrepreneurial thinking and critical assessment, and conduct themselves responsibly and in a socially-oriented manner in the working environment.

Optional:

- perform parameter and spatial modelling of products, assemble units and elaborate technical documentation.
- select working processes, programme NC machines by setting and correcting processing parameters.
- construct tools and aids, assemble, dismantle, test and maintain tools.
- plan technology processes and draw up basic technology documentation for production by taking into consideration its ergonomic impact.
- analyse the operation of control functions, determine automation type in production and assess the impact of robotics.
- identify and select energy appliances and machines as well as maintain and optimize energy systems.
- plan construction installation elements of heating, cooling and ventilation.
- monitor and control technology processes of heat generation and distribution.

In addition, the holder of the certificate also upgraded his/her key professional skills and competences with key general knowledge and skills in line with national standards.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO HOLDER OF THE CERTIFICATE

The holder of the certificate can find employment on different ships with various propulsion systems, speeds and power around the world; in the shipping industry and services associated with the sea such as ports, shipping agencies, navy, maritime police, harbour master's office, marinas, vessel manufacture; in all industrial, craft and servicing activities as well as trade or non-commercial activities; in the fields of construction, dimensioning and manufacture of machine parts for tools and devices; in the fields of production and maintenance of machine parts and equipment; in the fields of measurement and control of the parameters of processes, consumption and distribution of energy and energy sources.

^(*) Explanatory note

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information available at: <http://europass.cedefop.eu.int>

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5. OFFICIAL BASIS OF THE CERTIFICATE	
<p>Name and status of the body awarding the certificate</p> <p>The institution is accredited with the Ministry of Education, Science and Sport.</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>Ministry of Education, Science and Sport Masarykova 16 SI-1000 Ljubljana www.mizs.gov.si</p>
<p>Level of the certificate (national or international)</p> <p>Upper Secondary Technical Education Slovenian Qualification Framework: SOK 5 European Qualification Framework: EQF 4 ISCED 2011: 354</p>	<p>Grading scale</p> <p>5 – excellent 4 – very good 3 – good 2 – sufficient</p>
<p>Access to next level of education/training</p> <p>Education programme completed with a vocational matura exam enables entrance to study programmes in both higher and high specialist education. Upon an additional requirement in passing one of the general matura exams, as well as entrance to relevant university study programmes that enable this possibility.</p>	<p>International agreements</p> <p>The Republic of Slovenia has concluded agreements on the recognition of education with individual countries. The relevant information is available at ENIC/NARIC - the National Academic Recognition Information Centre.</p>
<p>Legal basis</p> <p>Organisation and Financing of Education Act Vocational and Technical Education Act</p>	
6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE	
Time of the education	4 years
Number of credits ¹	240 credits
General education	100 credits
Professional education	74 credits
Practical education at the employer	14 credits
Extracurricular activities	14 credits
Open curriculum ²	34 credits
Vocational matura	4 credits
<p>Entry requirements</p> <p>The programme can be attended by anyone who has completed the programme of primary education or lower vocational education or equivalent education in line with previous regulations.</p>	
<p>Additional information</p> <ul style="list-style-type: none"> – Ministry of Education, Science and Sport (www.mizs.gov.si): Education programme and description of education and schooling in Slovenia – National Reference Point for Vocational Qualifications - NRP (www.nrpslo.org) – National Europass Centre (www.europass.si) 	

¹ One credit equals 25 hours of candidate's work.

² Goals of the open curriculum are defined by schools in cooperation with companies on a local/regional level.

7. A DETAILED DESCRIPTION OF EDUCATION

GENERAL EDUCATION:

1. Slovene (24 credits)
2. Mathematics (19 credits)
3. Foreign language 1 (20 credits)
4. Art (3 credits)
5. History (5 credits)
6. Geography (3 credits)
7. Psychology (3 credits)
8. Physics (6 credits)
9. Chemistry (3 credits)
10. Physical education (14 credits)

PROFESSIONAL EDUCATION:

Mandatory Modules (58 credits)

1. Marine Engineering (24 credits)
2. Ship Studies (5 credits)
3. Ship Electrotechnology and Automation (3 credits)
4. Protection and Sea Rescue Basics (2 credits)
5. Structure Planning (7 credits)
6. Business administration and organization (3 credits)
7. Efficient energy use (7 credits)
8. Materials processing (7 credits)

Optional Modules (16 credits)

9. Spatial modelling and documentation preparation (8 credits)
10. Computer based technologies (8 credits)
11. Mass production tools and appliances (8 credits)
12. Planning production processes in mechanical engineering (8 credits)
13. Automation and robotics (8 credits)
14. Energy systems (8 credits)
15. Housing installations planning (8 credits)
16. Energy generation and distribution (8 credits)

OPEN CURRICULUM (34 credits):

The open curriculum is determined by the school in cooperation with companies on the local level.

PRACTICAL EDUCATION:

1. Practical training in school
2. Practical training through work placement at the employer

EXTRACURRICULAR ACTIVITIES (14 credits):

Extracurricular activities involve compulsory activities, programme-related content and electives.

VOCATIONAL MATURA:

Mandatory part:

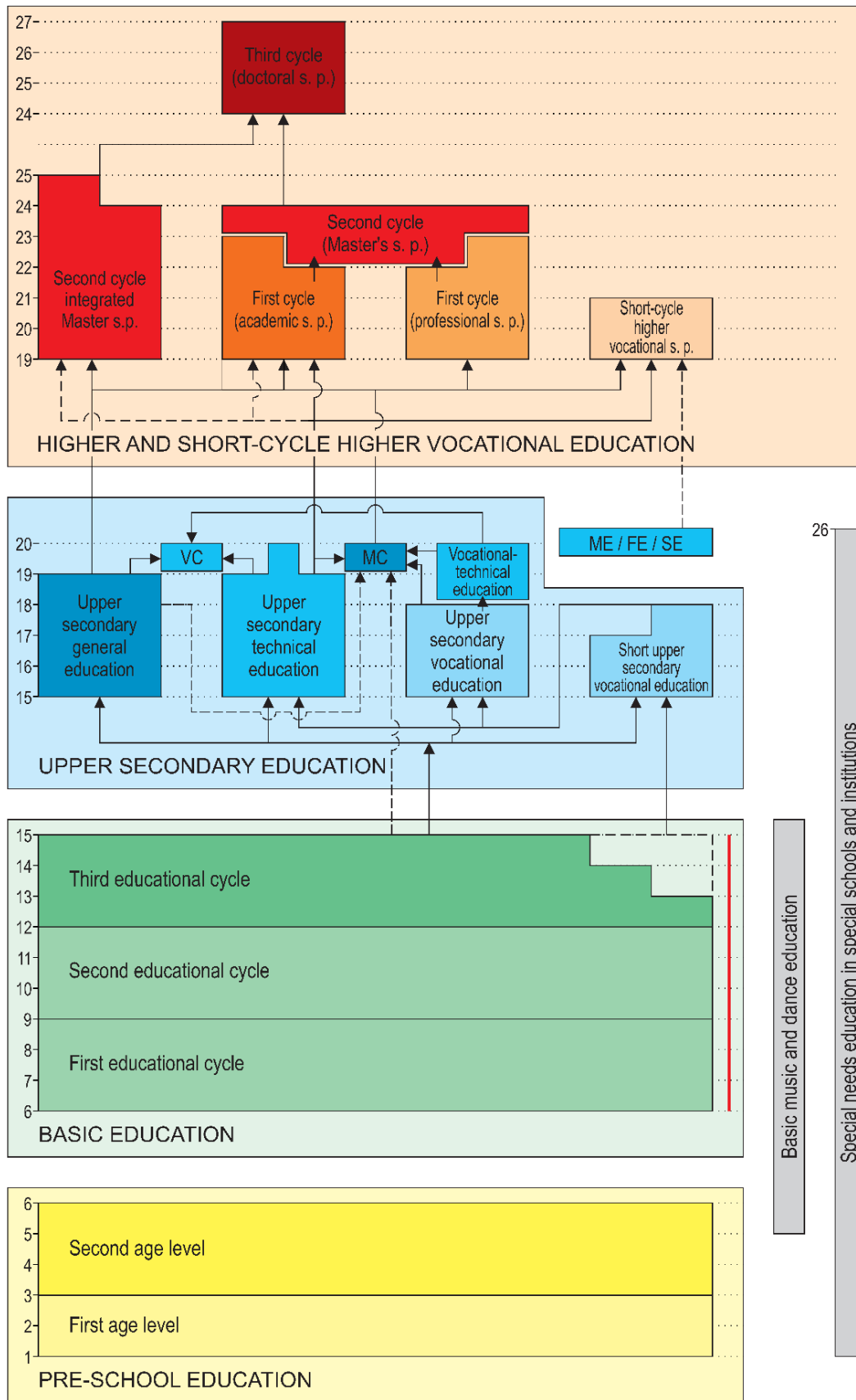
- written and oral exam of Slovenian language,
- written and oral exam in Marine Machinery.

Optional part:

- written and oral exam in a Foreign language, Second Foreign language or Mathematics,
- presenting and defending a project or service (4 credits):

OTHER NOTES:

STRUCTURE OF THE EDUCATION SYSTEM IN THE REPUBLIC OF SLOVENIA



From school/academic year 2016/2017