
Ladijski strojni tehnik/ladijska strojna tehnica

Selected qualifications

Name of qualification	Ladijski strojni tehnik/ladijska strojna tehnica
Translated title (no legal status)	Marine engineering technician
Type of qualification	Srednja strokovna izobrazba
Category of qualification	Izobrazba
Type of education	Upper secondary technical education
Duration	4 years
Credits	240 credits
Admission requirements	<ul style="list-style-type: none">• Elementary school education or• lower vocational education or• equivalent education under previous regulations.
ISCED field	Field Tehnika, proizvodne tehnologije in gradbeništvo

Learning outcomes

Certificate holders will be able to:

- operate, maintain and repair a ship's engine, steam turbine, electrical, steering and regulatory systems;
- operate shipborne cargo loading, unloading or transport equipment;
- operate firefighting equipment and lead the fighting of shipboard fires;
- take appropriate action in rescue operations and ensure survival at sea;
- provide first aid to injured persons;
- work as part of a team in a ship's living and working environment and cooperate with deck personnel;
- assure protection against spillage of oil, petroleum products, oils and other ship discharges into the sea;
- size and shape machine parts, select standard machine components and construct assemblies;
- select a technological procedure for processing, forming or joining materials with regard to the type of material and the purpose of use;
- select and use materials and tools for processing and processes in various mechanical engineering fields;
- perform measurement and control procedures and use measurement and control machines, devices, tools and accessories;
- assess possibilities for the development and use of unconventional energy sources and the rational use of energy;
- assess the environmental justification of the use of individual machines, devices and systems;
- apply entrepreneurial thinking, exercise critical judgement and conduct themselves responsibly and in a socially-oriented manner in the working environment.

Elective:

- carry out parametric spatial modelling of products, prepare assemblies and draw up technical documentation;
- select machining processes and program NC machines by setting and correcting machining parameters;
- construct tools and accessories, install, uninstall, test and maintain tools;
- plan technological processes and draw up basic technological documentation for manufacturing, taking into account ergonomic effects;
- analyse the operation of control functions, determine the type of automation in manufacturing and assess the effects of robotics;
- determine and select energy installations and machines and maintain and optimise energy systems;
- plan elements and systems of building heating, cooling and ventilation installations;
- monitor and supervise technological processes of heat generation and distribution.

Certificate holders will also have built on their key vocational knowledge and abilities with key general knowledge in line with national standards.

Assessment and completion

Students' vocational abilities and skills and the fulfilment of conditions to obtain credits in accordance with the relevant education programme are established through verification and assessment. Assessment of students also takes into account non-formally acquired knowledge, which must be adequately demonstrated. Students are assessed using scores from 5 (excellent) to 1 (inadequate).

Progression

Students may progress to the next year if at the end of the academic year they achieve a passing grade in all general education subjects and vocational modules from the school's operational curriculum for the year and have completed all extracurricular activities and all work placement requirements. Progression is also possible by decision of the programme teaching staff.

Transitions

Matura/vocational course, higher vocational education (SQF level 6), professional higher education (SQF level 7) and academic higher education (SQF level 7)

Condition for obtaining certificate

Students must successfully (i.e. with passing grades) complete general education subjects, compulsory and elective vocational modules, and the open part of the curriculum. They must also complete extracurricular activities and on-the-job training and pass the vocational matura examination.

A vocational matura comprises a compulsory section (written and oral examination in Slovene, written and oral examination in nature protection) and an elective section (written and oral foreign language or mathematics examination, and a product/service and an oral presentation).

Awarding body

Vocational and technical secondary schools and adult education institutions.

URL

<https://paka3.mss.edus.si/registriweb/ProgramPodatki.aspx?ProgramID=7858>
