INFORMATION ON THE STUDY PROGRAMME **NAUTICAL STUDIES**

Version (valid from): 2024-1 (01.10.2024)

Basic information

Programme name	**Nautical Studies**
Programme features	
Type	higher professional education
Rate	first stage
CLASS-SRV	Higher professional education (first Bologna cycle)/higher professional education (first Bologna cycle) (16203)
ISCED	• transport services (84)
CLASS-P	• Maritime and river transport (8404)
CLASS-P-16	• Transport (1041)
Frascati	• Technical sciences (2)
Raven SOK	Raven SOK 7
Raven EOC	Raven EOK 6
Raven EOVK	First stage
Areas/modules/targets	• General direction (direction) • Military direction (direction) • No articulation (study programme)
Members of the University of Ljubljana	• Faculty of Maritime Studies and Transport, Pot pomorščakov 4, 6320 Portorož, Slovenia
Duration (years)	3
Number of KT per year	60
Study delivery methods	full-time, part-time

The main objectives of the programme

General direction:

The main objective of the higher professional study programme Nautical Navigation is to train professionally competent and interdisciplinary experts in the field of maritime navigation, with an emphasis on theoretical and practical competence in ship management and maritime navigation control in accordance with the International Maritime Organisation (IMO) STCW Convention of 1978, which was last updated in 2018 (all Member States are signatories to this Convention).
The programme provides the graduate with the knowledge, skills and competences agreed at global and European level for the qualification of Officer in Charge of Deck Watch on ships of 500 GT (gross tonnes) or more and 1st Officer on Deck or Master on ships of 3000 GT or more.
The study programme is intended primarily for secondary school graduates who wish to qualify for highly professional tasks in the field of navigation, but who do not have the inclination towards research and theoretical studies characteristic of university education.

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Military direction:

Officer education is one of the building blocks of the rapidly and intensively evolving work of the armed forces. Studying at the Military Studies Course enables graduates to acquire basic professional competences in the field of officer work, as well as competences for other work in the field of military management and, of course, to transfer the theoretical knowledge in the field of maritime studies to their future practice. The first objective of the Military Studies programme is to acquire the knowledge, skills and competences in the field of military sciences, which are the prerequisites for the title of officer. The second objective of the Military Studies programme is the acquisition of specific skills in the field of warfare and military leadership and tactical problem solving. The programme provides the graduate with a broad knowledge enabling him/her to acquire the following abilities: to optimise his/her tasks in accordance with STCW requirements and nautical knowledge, the responsibility to perform the direct duties of officers in the basic duties of platoon commander, the ability to

manage and lead work processes and team training, the ability to command, the ability to inspire and motivate and to make decisions, the ability to identify the resulting tasks in the accomplishment of the mission and to lead the troops in such a way that he/she is able to confront the situation and to formulate a tactical solution. The skills developed by the graduate will enable him/her to find employment within the Slovenian Armed Forces.

General competences (learning outcomes)

General direction:

The programme is interdisciplinary, combining economic, international legal, maritime administration, sociological, cultural, communication and methodological knowledge, as well as nautical engineering expertise.

They provide a broad knowledge base that enables graduates to acquire the following competences:

- the responsibility for the direct duties of deck officers on a ship of more than 500 GT (3rd Mate and 2nd Mate) and 1st Mate and Master on a ship of more than 3000 GT,
- compliance with the watchkeeping standards prescribed by the STCW International Convention in accordance with Part A - II of the STCW Convention,
- broad-minded,
- Analytical skills in solving professional tasks: the ability to work independently in an analytical manner (especially in relation to the development of new technologies), to synthesise specific domain knowledge and apply it to solve concrete problems, and to synthesise and place analytical findings in real-world contexts,
- use of methodological tools: acquiring methodological knowledge and learning to use research and analysis methods, creativity, initiative, creativity in selecting and analysing key safety issues in maritime surveillance,
- Strategic orientation: strategic thinking and planning, the ability to plan, evaluate and look ahead, to anticipate and forecast developments, to find solutions to fundamental problems,
- Communicative: ability to express oneself professionally in writing and speaking and to present a clear, active and reasoned argument, and to use professional maritime and navigational terminology in Slovenian and English,
- Conflict resolution: the ability to manage, handle and mediate conflicts, negotiate, argue and develop negotiating positions,
- Team and group work: the willingness to cooperate, to take into account the opinions of others and to fulfil an agreed role within the team and the group; leadership, which develops competences in coordinating, organising, working with colleagues, advising and managing; creativity, the ability to understand and empathise with different cultures, the ability to relate and manage formal and informal relationships, to work together and to synergistically integrate the diversity of the group into a new quality, emotional intelligence,
- flexibility to cope with change: the ability to work flexibly in multicultural environments, in cooperation with foreign countries, to be interdisciplinary, to understand cultural pluralism,
- Professionalism: the ability to analyse, sequence and coordinate work tasks and to select methods and ways of working in accordance with professional standards,
- Use of maritime information technologies: ability to carry out complex procedures.

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Military direction:

The general part of the programme is taught in the same way as in the General Course. The competences foreseen for the acquisition of core competences in the maritime domain are related in the same way to the requirements of the STCW Convention mentioned in the General Track.

Subject-specific competences (learning outcomes)

General direction:

The subject-specific competences of the higher professional study programme Nautical Navigation, which are acquired through the programme, are in the field of maritime navigation.

In this study programme, students acquire the skills to:

- acquiring fundamental knowledge in science subjects, enabling their integration into core professional and orientation courses for studying and addressing the challenges of maritime processes,

- acquisition of fundamental and applied knowledge in subjects such as maritime economics, shipowner's business, human resources, etc., enabling their application in solving human resources management problems, or leadership and communication skills (networking skills, etc.) and understanding of cultural pluralism,
- acquisition of fundamental and applied knowledge in subjects with content in the field of commercial, international maritime and administrative maritime law, maritime law and insurance, which enables their application in solving problems of transport contracts and other necessary documentation in domestic and international maritime transport, knowledge of the business and legal environment of organisations, companies and entities in the maritime field, knowledge of business and legal processes,
- acquisition of basic and applied knowledge in subjects with maritime English content, enabling foreign language skills and argumentative and negotiation skills giving a particular comparative advantage, or leadership and communication skills (networking skills, etc.),
- the acquisition of basic and applied knowledge in subjects including coastal, ocean and electronic navigation, ship's science, cargo handling, ship construction and equipment, seamanship, training in nautical simulators, navigation watchkeeping, communication equipment, etc., to enable the performance of the following functions: navigation, cargo handling and disposition, control of navigation and care of ship's personnel and radio communications at managerial and operational level,
- the acquisition of basic and applied knowledge in subjects with maritime practical training content, training on nautical simulators, navigation watch keeping, communication equipment, etc., which enable them to be qualified for the tasks assigned to them for the handling of equipment essential for safe navigation, safe radio communications, emergencies or the prevention of pollution of the sea,
- acquisition of specific knowledge in the elective subjects relating to propulsion and manoeuvring, Ro-Ro and passenger ships, ship combat systems, cargo handling, sailing, maritime transport systems, maritime economics and shipowner's business.
- acquire the necessary knowledge and skills in the field of professional practice to be able to integrate into the work of professional challenges in navigation practice.

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Military direction:

The subject-specific competences acquired are in the fields of nautical and military sciences.

In military education, students acquire the following subject-specific competences:

- the acquisition of knowledge and skills already identified in the General Course in the areas of organisation and execution of shipboard overhead services and the ability to integrate findings in these areas from the civilian to the military sphere;
- acquisition of fundamental knowledge in military subjects, enabling their implementation in core professional and orientation subjects for the study and solution of military tasks, the implementation of processes for planning and conducting military operations in the national and international environment, in peace and war, and the evaluation and planning of the use of military capabilities and weapon systems;
- acquisition of fundamental and applied knowledge in the fields of military operations (tactics, operations), military geography and military technology of weapon systems, enabling tactical problem solving, organisation of combat and non-combat operations, critical evaluation and planning of the use of military capabilities and weapon systems;
- acquisition of fundamental and applied knowledge in the subjects of the basics of military leadership, command and control, military didactics, military psychology and military sociology, enabling their implementation in the processes of human resources management, the performance of military professional tasks in the field of leadership and command, and the conduct of military training of units in a safe, reliable and rational manner;
- acquire specific knowledge of military strategy, military history, military policy, military, military law, military law of war and humanitarian law, and the forms of institutional functioning of military institutions;
- acquisition of specific skills in military research methods, military problem solving in tactical unit operations, logistics and supply, and the basics of operational research methods and modelling of tactical solutions;

- acquiring the necessary knowledge and basic skills in the field of military sciences for a quality integration into a military organisation and starting a career as an SAF officer.

Conditions for enrolment

General and Military:

Entry to the first-level higher professional study programme in Nautical Science is open to students who have passed the final examination in any four-year upper secondary education programme, the vocational baccalaureate or the general baccalaureate.

Selection criteria in the event of an enrolment limitation

If a decision is taken to restrict enrolment, they will be
applicants will be selected on the basis of:

- General pass mark in the final exam, the vocational baccalaureate or the matriculation diploma: 60%,
- General passes in the 3rd and 4th years: 40% points.

Criteria for the recognition of knowledge and skills acquired before entry to the programme

General direction:

Students may be awarded credit for knowledge which corresponds in content to the subjects taught in the Nautical Science study programme and which has been acquired in various forms of education. The decision on the recognition of knowledge and skills acquired prior to enrolment is made by the UL FPP Student Affairs Committee on the basis of a written application from the student, attached certificates and other documents proving the successful acquisition of knowledge and the content of these skills.
The following criteria will be taken into account by the UL FPP Student Affairs Committee when recognising knowledge acquired prior to enrolment:

- the suitability of the entry requirements for the different forms of education (prior qualifications required for entry),
- the comparability of the level of education (number of hours of prior learning in relation to the level of the course) at which the obligation is recognised,
- the relevance of the content of the training to the content of the course in which the credit is given.

The knowledge acquired may be recognised as a requirement if the prerequisite for enrolment in the course was at least upper-secondary education, if the previous education covered at least 75% of the subject content and if at least 75% of the content corresponds to that of the course in which the study requirement is recognised. In the event that the Board finds that the knowledge acquired can be recognised, this will be weighted by the same number of ECTS units as the number of units in the course.
A specific example of the recognition of knowledge and skills acquired prior to enrolment is the recognition of 'Professional practice for mariners' in the event that the student has been regularly employed in maritime business organisations or in the maritime sector of the public administration for at least one year. In this case, the employment must be proven by an appropriate document showing the duration of the employment and the activity of the organisation.

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Military direction:

A candidate/student may be awarded credit for a subject from the set of subjects in Semester 6, depending on the knowledge documented in the various forms of professional training prior to the start of the military course.

Assessment methods

The methods of assessment are in accordance with the UL Statutes and specified in the curricula.

Conditions for progression through the programme

A student may enrol in a higher year if, by the end of the academic year, he or she has completed all the requirements set out in the study programme for enrolment in the higher year, and before enrolling in the third

or higher year, he or she must also have completed all the requirements of the year prior to the year in which he or she is currently enrolled.

Students must have the following number of ECTS to be admitted to the upper year:

- a minimum of 50 ECTS from the first year of the programme must have been achieved in order to be admitted to the second year of the programme,
- 60 ECTS from the first year and at least 50 ECTS from the second year to enter the third year.

Exceptional progression to the next year.

The UL FPP Committee for Academic Affairs may exceptionally grant promotion to:

- 2nd year to a student who has achieved at least 40 ECTS in the 1st year, or in
- 3rd year to a student who has achieved a total of at least 100 ECTS in the 1st and 2nd year (60 ECTS in the 1st year and 40 ECTS in the 2nd year), provided that the student has justifiable reasons for the exceptional progression.

Justifiable reasons are those set out in the Statutes of the University of Ljubljana.

Students must have to repeat:

- a minimum of 20 ECTS in the first year,
- in the second year, 60 ECTS from the first year and at least 20 ECTS from the second year.

Conditions for switching between programmes

General direction:

Transfers between programmes are governed in accordance with the applicable Criteria for Transfers between Degree Programmes. Student applications for transfer between programmes are decided by the UL FPP Senate on the proposal of the Study Affairs Committee in accordance with the procedure laid down in the UL Statutes. The Study Affairs Committee determines for each candidate separately the extent to which it recognises the study requirements already completed, determines the requirements and specifies the year to which the candidate may transfer.

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Military direction:

- Transfer from General to Military Studies is possible according to the criteria for transitions between first cycle study programmes at the FPP).
- Candidates enrolled in study programmes in the fields of naval engineering or nautical engineering which, at the end of their studies, provide for the acquisition of comparable competences and which, according to the recognition criteria, provide for the recognition of at least half of the ECTS requirements from the first study programme which relate to the compulsory subjects of the second study programme.
- The recognition process identifies the study requirements that students have already fulfilled, which may be fully or partially recognised, and the study requirements they must fulfil in order to complete their studies under another study programme.

Conditions for completing your studies

To complete the degree, students must complete all the requirements for all the courses they have enrolled in and produce and defend a thesis.

Conditions for completion of the individual parts of the programme, if contained in the programme

The study is uniform.

Professional, scientific or artistic title (English title and abbreviation)

- Bachelor of Applied Science (B.A.Sc.)

INFORMATION ON THE **MARITIME ENGINEERING** STUDY PROGRAMME

Version (valid from): 2024-1 (01.10.2024)

Basic information

Programme name	**Marine Engineering**
Programme features	
Type	higher professional education
Rate	first stage
CLASS-SRV	Higher professional education (first Bologna degree)/higher professional education (first Bologna degree) (16203)
ISCED	• transport services (84)
CLASS-P	• Transport (conveyance) services (other) (8409)
CLASS-P-16	• Motor vehicles, ships and aircraft (0716)
Frascati	• Technical sciences (2)
Raven SOK	Raven SOK 7
Raven EOC	Raven EOK 6
Raven EOVK	First stage
Areas/modules/targets	• General direction (direction) • Military direction (direction) • No articulation (study programme)
Members of the University of Ljubljana	• Faculty of Maritime Studies and Transport, Pot pomorščakov 4, 6320 Portorož, Slovenia
Duration (years)	3
Number of KT per year	60
Study delivery methods	full-time, part-time

The main objectives of the programme

General direction:

The main objective of the higher professional study programme Marine Engineering is to educate professionally competent and technically aware experts in the field of mechanical engineering, with an emphasis on theoretical and practical competence in the management, operation and maintenance of mechanical and power systems on ships and in comparable industries at managerial level. The entire training programme is based on the requirements of the STCW Convention, adopted by the International Maritime Organization (IMO) in 1978 and last revised in 2018 (all IMO Member States are signatories to the STCW Convention), and on the guidelines of the engineering association FEANI.

The programme provides the graduate with the knowledge, skills and competences that are the globally and European agreed credible criteria for the title of Officer in Charge of Engine Watch on ships with propulsion machinery of 750 kW propulsion power or more, and 1st Officer in Charge of Machinery or Machinery Manager on ships with propulsion machinery of 3000 kW propulsion power or more. The appropriate choice of subjects will enable the graduate to acquire the knowledge, skills and abilities to work in a managerial capacity in the machinery and power systems of comparable industrial and service establishments.

The study programme is aimed primarily at high school graduates who want to train for highly professional jobs in the field of marine engineering, but who do not have the inclination towards research and theoretical studies typical of university education.

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Military direction:

Officer education is one of the building blocks of the rapidly and intensively evolving work of the armed forces. Studying at the Military Studies Course enables graduates to acquire basic professional competences in the field of officer work, as well as competences for other work in the field of military management and, of course, to transfer theoretical knowledge in the field of naval engineering to their future practice. The first objective of the

study programme in the Military Studies is to acquire the knowledge, skills and competences in the field of military sciences, which are the prerequisites for the title of officer. The second objective of the Military Studies programme is to acquire specific skills in the field of warfare and military leadership and tactical problem solving. The programme provides the graduate with a broad knowledge enabling him/her to acquire the following competences: optimisation of his/her tasks in accordance with the requirements of STCW and FEANI and the findings in the field of naval engineering, responsibility for the performance of the direct duties of officers in the basic duties of a platoon commander, the ability to manage and lead the work processes and training of a team, the ability to command, the ability to inspire and motivate and to make decisions, the ability to identify the resulting tasks in the accomplishment of the mission and the ability to lead the troops in such a way that he/she is able to confront the situation and to formulate a tactical solution. The skills developed by the graduate will enable him/her to find employment within the Slovenian Armed Forces.

General competences (learning outcomes)

General direction:

A marine engineer is a professional who must have a good knowledge of the environment of his/her chosen field, individual skills such as communication and foreign language skills, the ability to write a wide range of professional reports, teamwork and concrete problem-solving skills.

The general competences acquired through the Marine Engineering study programme are:

- the responsibility for the direct duties of a ship's engine officer on board a ship or an engine-room superintendent in an engine-room with a propulsion power greater than 3 000 kW, or managerial work in a comparable industrial or service establishment,
- an understanding of the standards of watchkeeping in a manned or periodically unmanned engine-room prescribed by the STCW Code or the working standards in a comparable industrial establishment under the FEANI Guidelines,
- understanding and use of working maritime language (maritime English) and argumentative and negotiation skills that give a particular comparative advantage,
- competence in the tasks assigned to them for the handling of equipment essential for the safe operation and maintenance of ship propulsion and shipboard power systems, whether on board or ashore, in emergency situations or for the prevention of pollution of the sea and coastline,
- understanding and respect for cultural diversity,
- planning and implementing strategies in engineering services in companies and organisations,
- managing relations between the ship's top management and the engine room staff,
- identifying and analysing employee attitudes and satisfaction,
- Ensuring the implementation of the company's policies and programmes on safety and health in the engine room,
- help resolve organisational problems on board, conflicts between engine room staff or within the company,
- Accepting a wide range of interdisciplinary expertise in ship propulsion subsystems and industrial power systems management, natural sciences, management, information and communication technology, law, environmental science and other fields,
- directly taking on work tasks in practice and, by mastering additional theoretical and methodological content, continuing direct study at second level,
- apply theoretical knowledge independently to solve practical problems in practice,
- expert analysis and synthesis of solutions and implications in nautical and maritime processes and in specific processes in comparable industries,
- Continuous monitoring of new skills in the process of lifelong learning,
- understanding the interdependence between maritime technology and the technical characteristics of means of transport and maritime infrastructure,
- taking and resolving environmental and protective measures in the work environment,
- teamwork, communication skills and the development of professional ethics in the highly complex business of transport and transport services.

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Military direction:

The general part of the programme is taught in the same way as in the General Course. The competences foreseen for the acquisition of competences in mechanical engineering are related in the same way to the requirements of the STCW Convention and the FEANI guidelines mentioned in the General Track.

Subject-specific competences (learning outcomes)

General direction:

The set of subject-specific competences acquired through the Marine Engineering programme enables:

1. to successfully perform the tasks encountered by the ship's engineer officer and the company's engineer officer in the course of their work,

2. the ability to handle large power installations both on different types of ships and ashore,

3. the acquisition of knowledge in the preparation, management and maintenance of ship propulsion, including knowledge of:

- optimum operation of the energy system,
- the economics of maritime businesses,
- ordering and storing spare parts,
- strategic servicing of components,
- maintaining hardware documentation;

acquiring the knowledge to develop energy support systems, including:

- electricity generation and distribution
- Compressing air to power tools, machines, automation and control technology,
- Generating and consuming steam economically,
- storage, treatment and preparation of fuels and lubricants,
- cooling of energy systems using different heat exchangers,
- treatment of faecal and oily water,
- generation, treatment and distribution of drinking water,
- hydraulic systems;

acquiring the knowledge to handle and maintain mooring, cargo and other deck equipment, such as:

- anchoring and lashing winches,
- freight benches with associated equipment, freight cranes,
- pipelines, valves and various pumps in the cargo handling system,
- systems for opening, closing and sealing warehouses,
- ventilation, cooling/heating and air-conditioning systems for storage and living areas,
- use of inert gases;

acquiring knowledge in shipboard safety:

- fire risk and fire management,
- survival at sea,
- Search and rescue at sea,
- ballasting operations on board,
- hull loads and the stability of the ship when underway or aground,
- Preventing and responding to pollution from ships.

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Military direction:

The subject-specific competences acquired are in the fields of marine engineering and military science.

In military education, students acquire the following subject-specific competences:

- the acquisition of knowledge and knowledge already defined in the General Course in the fields of organisation and execution of engineering services on board and in production processes, and the ability to integrate findings in these fields from the civilian sphere into the military sphere;

- acquisition of fundamental knowledge in military subjects, enabling their implementation in core professional and orientation subjects for the study and solution of military tasks, the implementation of processes for planning and conducting military operations in the national and international environment, in peace and war, and the evaluation and planning of the use of military capabilities and weapon systems;
- acquisition of fundamental and applied knowledge in the fields of military operations (tactics, operations), military geography and military technology of weapon systems, enabling tactical problem solving, organisation of combat and non-combat operations, critical evaluation and planning of the use of military capabilities and weapon systems;
- acquisition of fundamental and applied knowledge in the subjects of basic military leadership, command and control, military didactics, military psychology and military sociology, enabling their implementation in the processes of human resources management, the performance of military professional tasks in the field of leadership and command, and the conduct of military training of units in a safe, reliable and rational manner;
- acquire specific knowledge of military strategy, military history, military policy, military, military law, military law of war and humanitarian law, and the forms of institutional functioning of military institutions;
- acquisition of specific skills in military research methods, military problem solving in tactical unit operations, logistics and supply, and the basics of operational research methods and modelling of tactical solutions;
- acquiring the necessary knowledge and basic skills in the field of military sciences for a quality integration into a military organisation and starting a career as an SAF officer.

Conditions for enrolment

General and Military:

Admission to the first cycle higher professional degree programme in Marine Engineering is open to students who have passed the final examination in any four-year upper secondary education programme, the vocational baccalaureate or the general baccalaureate.

Selection criteria in the event of an enrolment limitation

If a decision is taken to limit enrolment, applicants will be selected on the basis of:

- General pass mark in the final exam, the vocational baccalaureate or the matriculation diploma: 60%,
- General passes in the 3rd and 4th years: 40% points.

Criteria for the recognition of knowledge and skills acquired before entry to the programme

General direction:

Students may be awarded credit for knowledge which corresponds in content to the subjects taught in the Maritime Engineering study programme and which has been acquired in various forms of education. The decision on the recognition of knowledge and skills acquired prior to enrolment is made by the UL FPP Student Affairs Committee on the basis of a written application from the student, attached certificates and other documents proving the successfully acquired knowledge and the content of these skills.

The following criteria will be taken into account by the UL FPP Student Affairs Committee in the recognition of knowledge acquired prior to enrolment:

- the suitability of the entry requirements for the different forms of education (prior qualifications required for entry),
- the comparability of the level of education (number of hours of prior learning in relation to the level of the course) at which the obligation is recognised,
- the relevance of the content of the training to the content of the course in which the credit is given.

The knowledge acquired may be recognised as a requirement if the prerequisite for enrolment in the course was at least upper-secondary education, if the previous education covered at least 75% of the subject content and if at least 75% of the content corresponds to that of the course in which the study requirement is recognised. In the event that the Board finds that the knowledge acquired can be recognised, this will be weighted by the same number of ECTS as the number of ECTS in the course.

A specific example of the recognition of skills acquired prior to enrolment is the recognition of the course "Professional Practice for Mechanical Engineers" if the student has been regularly employed for at least one year

in a maritime organisation or government administration in the maritime sector. In this case, the employment must be proven by an appropriate document showing the duration of the employment and the activities of the organisation.

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Military direction:

A candidate/student may be awarded credit for a subject from the set of subjects in semester 6, depending on the knowledge documented in the various forms of professional education prior to the start of the military course.

Assessment methods

The methods of assessment are in accordance with the UL Statutes and specified in the curricula.

Conditions for progression through the programme

A student may enrol in a higher year if, by the end of the academic year, he or she has completed all the requirements set out in the study programme for enrolment in the higher year, and before enrolling in the third or higher year, he or she must also have completed all the requirements of the year prior to the year in which he or she is currently enrolled.

Students must have the following number of ECTS to be admitted to the upper year:

- a minimum of 50 ECTS from the first year of the programme must have been achieved in order to be admitted to the second year of the programme,
- 60 ECTS from the first year and at least 50 ECTS from the second year to enter the third year.

Exceptional progression to the next year.

The UL FPP Committee for Academic Affairs may exceptionally grant promotion to:

- 2nd year to a student who has achieved at least 40 ECTS in the 1st year, or in
- 3rd year to a student who has achieved a total of at least 100 ECTS in the 1st and 2nd year (60 ECTS in the 1st year and 40 ECTS in the 2nd year), provided that the student has justifiable reasons for the exceptional progression.

Justifiable reasons are those set out in the Statutes of the University of Ljubljana.

Students must have to repeat:

- a minimum of 20 ECTS in the first year,
- in the second year, 60 ECTS from the first year and at least 20 ECTS from the second year.

Conditions for switching between programmes

General direction:

Transfers between programmes are governed in accordance with the applicable Criteria for Transfers between Degree Programmes. Student applications for transfer between programmes are decided by the UL FPP Senate on the proposal of the Academic Affairs Committee in accordance with the procedure laid down in the UL Statutes. The Academic Affairs Committee determines for each candidate separately the extent to which it recognises the study requirements already completed, determines the requirements and specifies the year to which the candidate may transfer.

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Military direction:

- Transfer from General to Military Studies is possible according to the criteria for transitions between first cycle study programmes at the FPP.

- Candidates enrolled in study programmes in the fields of naval engineering or nautical engineering which, at the end of their studies, provide for the acquisition of comparable competences and which, according to the recognition criteria, provide for the recognition of at least half of the ECTS requirements from the first study programme which relate to the compulsory subjects of the second study programme.
- The recognition process identifies the study requirements that students have already fulfilled, which may be fully or partially recognised, and the study requirements they must fulfil in order to complete their studies under another study programme.

Conditions for completing your studies

To complete the degree, students must complete all the requirements for all the courses they have enrolled in and produce and defend a thesis.

Conditions for completion of the individual parts of the programme, if contained in the programme

The study is uniform.

Professional, scientific or artistic title (English title and abbreviation)

- Bachelor of Applied Science (B.A.Sc.)

INFORMATION ON THE STUDY PROGRAMME **TRAFFIC TECHNOLOGY AND TRANSPORT LOGISTICS**

Version (valid from): 2024-3 (01.10.2024)

Basic information

Programme name	**Traffic Technology and Transport Logistics**
Programme features	
Type	higher professional education
Rate	first stage
CLASS-SRV	Higher professional education (first Bologna cycle)/higher professional education (first Bologna cycle) (16203)
ISCED	• transport services (84)
CLASS-P	• Transport (transport) services (not further specified) (8400)
CLASS-P-16	• Transport (1041)
Frascati	• Technical sciences (2)
Raven SOK	Raven SOK 7
Raven EOC	Raven EOK 6
Raven EOVK	First stage
Areas/modules/targets	• General direction (direction) • Military direction (direction) • No articulation (study programme)
Members of the University of Ljubljana	• Faculty of Maritime Studies and Transport, Pot pomorščakov 4, 6320 Portorož, Slovenia
Duration (years)	3
Number of KT per year	60
Study delivery methods	full-time, part-time

The main objectives of the programme

General direction:

The fundamental aim of the higher professional study programme Traffic Technology and Transport Logistics is to enable students to acquire the professional knowledge, skills and competence to solve complex professional and work problems, to develop the ability to communicate within and between disciplines, to be professionally critical and responsible, to take initiative and to be independent in decision-making and management. Practical training in a working environment in the field of transport and traffic and logistics is a compulsory part of this study programme.

The study programme is aimed primarily at secondary school students who want to train for highly professional jobs in the field of transport technology, but who do not have the inclination towards research and theoretical studies that characterises university education.

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Military direction:

Officer education is one of the building blocks of the rapidly and intensively evolving work of the armed forces. The study of the Military Transport and Logistics course enables graduates to acquire the basic professional competences in the field of officer work, as well as competences for other work in the field of military management and, of course, to transfer the theoretical knowledge in the fields of transport and logistics to their future practice. The first objective of the study programme in the Military Studies programme is to acquire the knowledge, skills and competences in the field of military sciences, which are the prerequisites for the title of officer. The second objective of the Military Studies programme is the acquisition of specific skills in the field of warfare and military leadership and tactical problem solving. The programme provides the graduate with a broad knowledge enabling him/her to acquire the following abilities: optimisation of his/her tasks in accordance with the knowledge in the fields of transport and logistics, responsibility for the performance of the direct duties of officers in the basic duties of a platoon commander, the ability to manage and lead work processes and training of a team, the ability to command, the ability to inspire and motivate and to make decisions, the ability to identify

the resulting tasks in the fulfilment of the mission and to lead the military unit in such a way that he/she is able to confront the situation and to formulate a tactical solution. The skills developed by the graduate will enable him/her to find employment within the Slovenian Armed Forces.

General competences (learning outcomes)

General direction:

General competences in the fields of transport, traffic and transport logistics, which are acquired through the study programme:

- the ability to use the knowledge they have acquired to contribute to ensuring the mobility of the population, planning transport, traffic and logistics processes, and optimising the transport system and its subsystems,
- Accepting a broad interdisciplinary expertise in science, management, ICT, law and other fields,
- direct acceptance of work tasks in practice and mastery of additional theoretical and methodological content to continue direct study at second level,
- apply theoretical knowledge independently to practical problems in practice,
- expert analysis and synthesis of solutions and implications in transport, traffic and logistics processes,
- continuous monitoring of new skills in the lifelong learning process,
- understanding the interrelationship between transport technology and the technical characteristics of means of transport and transport infrastructure,
- taking and resolving environmental and protective measures in the work environment,
- teamwork, communication skills and the development of professional ethics in the highly complex business of transport and transport services,
- performing direct duties in undertakings active in the transport, traffic and transport logistics sectors and in ancillary activities,
- solving current technical, technological, organisational, economic, legal and other problems in the transport, traffic and logistics services processes,
- mastering transport technologies and logistics with specific procedures relating to maritime transport, road transport, rail transport, postal transport, air transport and transport logistics.

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Military direction:

The general part of the programme is taught in the same way as in the General Course. The competences foreseen for the acquisition of competences in the fields of transport, transport and transport logistics are the same as those listed in the General track.

Subject-specific competences (learning outcomes)

General direction:

The subject-specific competences acquired through the programme are in the fields of integrated maritime, road, rail, postal, air and other transport modes. The following subject-specific competences are acquired in the course of study of this study programme:

- acquiring fundamental knowledge in science subjects, which later allows the implementation of certain solutions in basic professional and orientation subjects for the study and solution of transport, traffic and logistics problems,
- acquisition of fundamental and applied knowledge of subjects in economics, management, human resources, etc., enabling their application in solving problems of human resources management in transport, calculating the cost and selling price of transport, transport and transport-logistics services, and the interconnection of all participants in transport and logistics in a well-thought-out manner,
- acquiring the basic and applied knowledge of subjects in the field of law and insurance, enabling them to be applied to the solution of problems in transport contracts and other necessary documentation in domestic and international transport in the various transport sectors, and to draw up the elements of technical bases for insurance and compensation claims in this field,
- acquiring fundamental and applied knowledge of subjects in the field of technology and transport engineering, which enables their later application in professional and orientation subjects of the study field

and their use in solving problems of utilisation of transport infrastructure, means of transport, organisation and technology of individual transport branches, especially for economic purposes,
- acquiring applied knowledge in the field of orientation subjects relating to transport infrastructure, means of transport and handling, organisation and transport technology for optimising transport, traffic and logistics processes for different types of goods and passengers in the transport of all transport sectors, as well as the use of modern information and telecommunication technology in transport and logistics,
- acquiring specific skills in the sub-fields of probability and statistics, transport safety, inventory management, supply chain management, environmental protection in transport, etc., in order to carry out transport, traffic and logistics processes in a sophisticated, fast, safe, secure and environmentally sound manner,
- acquiring the necessary knowledge and skills in the field of professional practice of a particular specialisation to be able to work with professional challenges in practice.

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Military direction:

The subject-specific competences acquired are in the fields of transport, logistics and military sciences.

In military studies, students acquire the following subject-specific competences:

- the acquisition of knowledge and knowledge in the fields of transport organisation and logistics processes, already identified in the General Course, and the ability to integrate findings in these fields from the civilian to the military sphere;
- acquisition of fundamental knowledge in military subjects, enabling their implementation in core professional and orientation subjects for the study and solution of military tasks, the implementation of processes for planning and conducting military operations in the national and international environment, in peace and war, and the evaluation and planning of the use of military capabilities and weapon systems;
- acquisition of fundamental and applied knowledge in the fields of military operations (tactics, operations), military geography and military technology of weapon systems, enabling tactical problem solving, organisation of combat and non-combat operations, critical evaluation and planning of the use of military capabilities and weapon systems;
- acquisition of fundamental and applied knowledge in the subjects of basic military leadership, command and control, military didactics, military psychology and military sociology, enabling their implementation in human resources management processes, the performance of military professional tasks in the field of leadership and command, and the conduct of military training of units in a safe, reliable and rational manner;
- acquire specific knowledge of military strategy, military history, military policy, military, martial and humanitarian law, and the forms of institutional functioning of military institutions;
- acquisition of specific skills in military research methods, military problem solving in tactical unit operations, logistics and supply, and the basics of operational research methods and modelling of tactical solutions;
- acquiring the necessary knowledge and basic skills in the field of military sciences for a quality integration into a military organisation and starting a career as an SAF officer.

Conditions for enrolment

General and Military:

Entry to the first-level higher professional study programme Traffic Technology and Transport Logistics is open to students who have passed the final examination in any four-year upper secondary school programme, the vocational baccalaureate or the general baccalaureate.

Selection criteria in the event of an enrolment limitation

If more applicants apply for the programme than there are places available, candidates will be selected on the basis of:

- General pass mark in the final exam, vocational secondary school leaving certificate or matriculation diploma, 60 % of the points,
- overall performance in Years 3 and 4, 40 % of points.

Criteria for the recognition of knowledge and skills acquired before entry to the programme

General direction:

Students may be awarded credit for knowledge which corresponds in content to the subjects taught in the Traffic Technology and Transport Logistics study programme, acquired through various forms of education. The decision on the recognition of knowledge and skills acquired prior to enrolment is taken by the Study Affairs Committee of the UL FPP when the candidate submits a written application, enclosing certificates and other documents proving the knowledge successfully acquired and the content of such knowledge.

The following criteria will be taken into account by the UL FPP Student Affairs Committee in the recognition of knowledge acquired prior to enrolment:

- the suitability of the entry requirements for the different forms of education (prior qualifications required for entry);
- the comparability of the level of education (number of hours of prior learning in relation to the level of the course) at which the obligation is recognised;
- the relevance of the content of the training to the content of the course in which the credit is given.

The knowledge acquired may be recognised as a requirement if the prerequisite for enrolment in the course was at least upper-secondary education, if the previous education covered at least 75% of the subject content and if at least 75% of the content corresponds to that of the course in which the study requirement is recognised. In the event that the Board finds that the knowledge acquired can be recognised, this will be weighted by the same number of ECTS as the number of ECTS in the course.

A special example of recognition of skills and knowledge acquired prior to enrolment is the recognition of "Professional Practice" if the student has been regularly employed for at least one year in organisations in the transport sector or in public administration in the fields of transport, traffic, transport logistics. In this case, the employment must be proven by a document showing the duration of the employment and the activities of the organisation.

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Military direction:

A candidate/student may be awarded credit for a subject from the set of subjects in semester 6, depending on the knowledge documented in the various forms of professional education prior to the start of the military course.

Assessment methods

The methods of assessment are in accordance with the UL Statutes and specified in the curricula.

Conditions for progression through the programme

A student may enrol in a higher year if, by the end of the academic year, he or she has completed all the requirements set out in the study programme for enrolment in the higher year, and before enrolling in the third or higher year, he or she must also have completed all the requirements of the year prior to the year in which he or she is currently enrolled.

Students must have the following number of ECTS to be admitted to the upper year:

- a minimum of 50 ECTS from the first year of the programme must have been achieved in order to be admitted to the second year of the programme,
- 60 ECTS from the first year and at least 50 ECTS from the second year to enter the third year.

Exceptional progression to the next year.

The UL FPP Committee for Academic Affairs may exceptionally grant promotion to:

- 2nd year to a student who has achieved at least 40 ECTS in the 1st year, or in
- 3rd year to a student who has achieved a total of at least 100 ECTS in the 1st and 2nd year (60 ECTS in the 1st year and 40 ECTS in the 2nd year), provided that the student has justifiable reasons for the exceptional progression.

Justifiable reasons are those set out in the Statutes of the University of Ljubljana.

Students must have to repeat:

- a minimum of 20 ECTS in the first year,
- in the second year, 60 ECTS from the first year and at least 20 ECTS from the second year.

Conditions for switching between programmes

General direction:

Transfers between programmes are governed in accordance with the applicable Criteria for Transfers between Degree Programmes.

Student applications for transfer between programmes shall be decided by the UL FPP Senate on the proposal of the Student Affairs Committee in accordance with the procedure laid down in the UL Statutes.

The Board of Student Affairs shall determine for each candidate individually the extent to which it recognises the study requirements already completed, the obligations to be fulfilled and the year to which the candidate may transfer.

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Military direction:

- Transfer from General to Military Studies is possible according to the criteria for transitions between first cycle study programmes at the FPP.
- Candidates enrolled in a study programme in the fields of transport and logistics which, at the end of their studies, provides the acquisition of comparable competences and, according to the recognition criteria, recognises at least half of the ECTS requirements from the first study programme which relate to the compulsory subjects of the second study programme.
- The recognition process identifies the study requirements that students have already fulfilled, which may be fully or partially recognised, and the study requirements they must fulfil in order to complete their studies under another study programme.

Conditions for completing your studies

To complete the degree, students must complete all the requirements for all the courses they have enrolled in and produce and defend a thesis.

Conditions for completion of the individual parts of the programme, if contained in the programme

The study is uniform.

Professional, scientific or artistic title (English title and abbreviation)

- Bachelor of Applied Science (B.A.Sc.)

INFORMATION ON THE **TRAFFIC TECHNOLOGY AND LOGISTICS** STUDY PROGRAMME

Version (valid from): 2024-1 (01.10.2024)

Basic information

Programme name	**Traffic Technology and Logistics**
Programme features	
Type	University
Rate	first stage
CLASS-SRV	University higher education (first Bologna degree)/University higher education (first Bologna degree) (16204)
ISCED	• transport services (84)
CLASS-P	• Transport (transport) services (not further specified) (8400)
CLASS-P-16	• Transport (1041)
Frascati	• Technical sciences (2)
Raven SOK	Raven SOK 7
Raven EOC	Raven EOK 6
Raven EOVK	First stage
Areas/modules/targets	• No articulation (study programme)
Members of the University of Ljubljana	• Faculty of Maritime Studies and Transport, Pot pomorščakov 4, 6320 Portorož, Slovenia
Duration (years)	3
Number of KT per year	60
Study delivery methods	full-time, part-time

The main objectives of the programme

The main objective of the first cycle Bachelor's degree programme in Traffic Technology and Logistics is to to provide a high quality knowledge with a solid fundamental basis of knowledge and understanding in the broader professional field of transport - transport - transport logistics, which, in the case of completion of the study, provides the student with appropriate competences for employability, and in the case of further study, the acquired knowledge represents an appropriate starting point for research studies at postgraduate level 2.

General competences (learning outcomes)

The general competences acquired in this programme are in the field of transport, transport and transport logistics for acquired competences:

- defining, understanding and creatively solving professional challenges,
- critical, analytical and synthetic thinking,
- professional responsibility and ethics,
- professional communication and written expression, including the use of a foreign professional language,
- the use of information and communication technology,
- Continuous independent assimilation of new knowledge in the process of lifelong learning,
- apply theoretical knowledge independently to solve problems in practice,
- teamwork, communication skills and the development of professional ethics in the highly complex business of transport, transport and transport logistics services,
- Compliance with the Engineering Code,
- directly pursuing a second-level postgraduate master's degree.

Subject-specific competences (learning outcomes)

The subject-specific competences acquired by the first cycle Bachelor's degree programme Traffic Technology and Logistics are:

- acquiring knowledge of the basic science and technology content, enabling its implementation in core professional and elective subjects and further development in the post-graduate Master's degree in Transport Sciences,

- acquiring the basic knowledge of social sciences in economics, law, management and foreign languages, enabling their application in solving problems in the management of transport, traffic and tarnsportnology processes in practice, and upgrading it at the post-graduate master's degree in transport sciences,
- acquisition of fundamental and applied knowledge from subjects in the field of engineering, computer science, informatics, intelligent transport systems, transport and traffic engineering, which enables their implementation in professional technological subjects for the application of this knowledge in solving problems of transport infrastructure operation, means of transport, organisation and technology of individual transport industries and their upgrading,
- acquiring specific skills in the fields of operations research, probability and statistics, transport safety, environmental protection in transport, etc., in order to carry out transport, traffic and logistics processes in a fast, safe, reliable, rational and environmentally sound manner and to build on these skills at a higher level of education.

Conditions for enrolment

You can enrol in the bachelor's degree programme **Traffic Technology and Logistics**:
a) who has passed the General Baccalaureate,
b) who has passed the Vocational Baccalaureate in any secondary school programme and an examination in one of the subjects of the General Baccalaureate; the chosen subject may not be a subject which the candidate has already passed in the Vocational Baccalaureate,
(c) who completed any four-year secondary education programme before 1 June 1995.

Selection criteria in the event of an enrolment limitation

If a decision is taken to restrict enrolment, they will be

the candidates referred to in points a) and c) are selected on the basis of:

- a general pass mark in the Baccalaureate or final exam of 60%,
- general achievement in the 3rd and 4th years 40% points.

the candidates referred to in point b) are selected on the basis of:

- General pass mark in the vocational baccalaureate 40%,
- general achievement in the 3rd and 4th years 40% points,
- a pass mark in the Baccalaureate subject of 20%.

Criteria for the recognition of knowledge and skills acquired before entry to the programme

Students may be awarded credit for knowledge which corresponds in content to the subjects taught in the first cycle of studies.
Traffic Technology and Logistics, acquired in various forms of education.

The recognition of skills and knowledge acquired prior to enrolment shall be decided by the Study Affairs Committee of the UL FPP at
on the basis of the student's written application, the attached certificates and other documents proving the knowledge successfully acquired and the content of these skills.

In recognising knowledge acquired prior to enrolment, the following will be taken into account by the UL FPP Student Affairs Committee
criteria:

- the suitability of the entry requirements for the different forms of education (prior qualifications required for entry),
- the comparability of the level of education (number of hours of prior learning in relation to the level of the course) at which the obligation is recognised,
- the relevance of the content of the training to the content of the course in which the credit is given.

The skills acquired may be recognised as a requirement if they were a prerequisite for enrolment in the course at least a higher professional qualification, provided that the previous training covered at least 75% of the course of the course and at least 75% of the content corresponds to the content of the course in which the learning obligation is recognised.

If the Board finds that the knowledge acquired can be recognised, this will be evaluated with the same number of ECTS KT as the number of KT in the course.

Assessment methods

The methods of assessment are in accordance with the UL Statutes and specified in the curricula.

Conditions for progression through the programme

A student may enrol in a higher year if, by the end of the academic year, he or she has completed all the requirements set out in the study programme for enrolment in the higher year, and before enrolling in the third or higher year, he or she must also have completed all the requirements of the year prior to the year in which he or she is currently enrolled.

Students must have the following number of ECTS to be admitted to the upper year:

- a minimum of 50 ECTS from the first year of the programme must have been achieved in order to be admitted to the second year of the programme,
- 60 ECTS from the first year and at least 50 ECTS from the second year to enter the third year.

Exceptional progression to the next year.

The UL FPP Committee for Academic Affairs may exceptionally grant promotion to:

- 2nd year to a student who has achieved at least 40 ECTS in the 1st year, or in
- 3rd year to a student who has achieved a total of at least 100 ECTS in the 1st and 2nd year (60 ECTS in the 1st year and 40 ECTS in the 2nd year), provided that the student has justifiable reasons for the exceptional progression.

Justifiable reasons are those set out in the Statutes of the University of Ljubljana.

Students must have to repeat:

- a minimum of 20 ECTS in the first year,
- in the second year, 60 ECTS from the first year and at least 20 ECTS from the second year.

Conditions for switching between programmes

Transfers between programmes are governed in accordance with the applicable Criteria for Transfers between Degree Programmes.

Student applications for transfer between programmes shall be decided by the UL FPP Senate on the proposal of the Student Affairs Committee in accordance with the procedure laid down in the UL Statutes.

The Board of Student Affairs shall determine for each candidate individually the extent to which it recognises the study requirements already completed, the obligations to be fulfilled and the year to which the candidate may transfer.

Conditions for completing your studies

To complete the programme, students must complete all the required requirements for a total of 180 ECTS.

Conditions for completion of the individual parts of the programme, if contained in the programme

The study is uniform.

Professional, scientific or artistic title (English title and abbreviation)

- Bachelor of Science (B.Sc.)

MARITIME STUDIES STUDIES PROGRAMME INFORMATION

Version (valid from): 2024-1 (01.10.2024)

Basic information

Programme name	**Maritime**
Programme features	
Type	Master's degree
Rate	second stage
CLASS-SRV	Master's degree (second Bologna cycle)/Master's degree (second Bologna cycle) (17003)
ISCED	• transport services (84)
CLASS-P	• Maritime and river transport (8404)
CLASS-P-16	• Transport (1041)
Frascati	• Technical sciences (2)
Raven SOK	Raven SOK 8
Raven EOC	Raven EOK 7
Raven EOVK	Second stage
Areas/modules/targets	• No articulation (study programme)
Members of the University of Ljubljana	• Faculty of Maritime Studies and Transport, Pot pomorščakov 4, 6320 Portorož, Slovenia - Operator
Duration (years)	2
Number of KT per year	60
Study delivery methods	full-time, part-time

The main objectives of the programme

The fundamental objectives of the programme are complex, encompassing the statutory objectives of the Master's degree, the research and professional elements, the characteristics of modern and environmentally friendly maritime affairs, and the internationally recognised, subject-specific and study-level objectives.

The main objectives of the study include:

- Deepening knowledge in specific subject areas, appropriately selected or related topics that are integrated into individual modules;

- training to independently search for new sources of knowledge in both scientific and professional fields;

- training in the use of state-of-the-art scientific research methods, including the latest analytical procedures, in new and changing contexts;

- training to take responsibility for managing the most complex systems that encompass, define or are closely related to specific maritime domains;

- developing critical and creative views and reflections on contemporary issues of maritime development in the processes of globalisation and specialisation of individual maritime fields, in the context of modern trends in maritime technologies and processes, maritime infrastructure exploitation and maritime transport safety, taking into account the protection of the marine environment;

- developing the qualities of independent and responsible leadership and teamwork.

To this must be added the development of responsibility towards the profession; responsibility towards the safety of maritime transport, responsibility towards the safe operation of maritime assets and maritime infrastructure, responsibility towards the environment and the development of co-responsibility towards the balanced development of our country and the preservation of our maritime and maritime heritage in the changed circumstances of a shared multicultural Europe.

The knowledge acquired at this level enables students to continue their studies at the doctoral level or to find employment in research and development, maritime service activities, transport, traffic, marine sciences and related activities, public administration, economic and interest associations, etc.

General competences (learning outcomes)

The general competences of the programme refer to the graduate's competence after the completion of the studies. The general competences of the Postgraduate Maritime Studies programme include:

- general knowledge of maritime research methods, procedures and processes;
- Critical appraisal of theoretical findings applied in practice;
- Critically evaluating the applicability of new scientific methods and their results;
- the ability to analyse, synthesise and predict the implications of problem-solving, developing critical and self-critical judgement;
- coherent mastery of core maritime knowledge, the ability to integrate knowledge from different disciplines and furthermore to apply it in the real world;
- independence in research and professional work;
- upgrading and developing new communication skills, especially in the field of communication in the international maritime environment;
- commitment to the ethics of the profession;
- working together and in a team (both locally and internationally);
- integrating different organisational skills to support successful business decisions;
- analysing, evaluating and documenting different technical and technological solutions;
- planning, implementing and controlling technical and technological decisions.

Subject-specific competences (learning outcomes)

Upon completion of the Master's programme, graduates will have acquired theoretical and practical knowledge to the extent that they will be able to achieve the specific competences listed below, while being prepared for the possibility of further enrolment in doctoral studies.

During their studies, students will acquire subject-specific competences, including in particular the ability to solve maritime problems analytically, critically and independently, the ability to manage work and to integrate knowledge from different maritime fields. Graduates will thus be able to work responsibly in the maritime and related industries, where they will be able to comply with all the legal and ethical criteria required of such personnel.

Conditions for enrolment

The Master's degree programme **in Maritime Studies** is open to students who have successfully completed:

1. a programme of studies of at least first cycle attested by at least 180 credits in the appropriate professional field of '**Transport (transport) services**': Road Transport, Rail Transport, Air Transport, Maritime Transport, Postal Transport, or in the professional field of '**Engineering**': Mechanical Engineering, or an equivalent programme of studies obtained in accordance with the existing regulations in the Republic of Slovenia or abroad.
2. a programme of studies of at least first cycle attested by at least 180 credits in other professional fields or an equivalent programme of studies obtained in accordance with the existing regulations in the Republic of Slovenia or abroad, **provided that the student has completed the study requirements prior to enrolment** which are essential for continuing his/her studies. These requirements shall be determined by the Study Affairs Committee of the UL FPP and shall range from 10 to a maximum of 60 credits."

Selection criteria in the event of an enrolment limitation

1. For candidates referred to in point 1 of the entry requirements, the first cycle of studies (average grade, final examination grade) is taken into account. If the candidate does not have a final examination grade, only the average grade will be taken into account,
2. For candidates referred to in point 2 of the entry requirements, the pass mark in the first cycle (75%) and the pass mark in the additional study requirements (25%) are taken into account. The points are calculated by rounding the average marks in the studies or additional study requirements to one decimal place and multiplying by 10 to give a maximum of 100 points.

Criteria for the recognition of knowledge and skills acquired before entry to the programme

Students may be awarded credit for knowledge which corresponds in content to the subjects taught in the Maritime Studies programme and which has been acquired in various forms of education. The recognition of knowledge and skills acquired prior to enrolment shall be decided by the Student Affairs Committee of the UL FPP, on the basis of a written application from the student, attached certificates and other documents proving the successful acquisition of knowledge and the content of such knowledge.

Assessment methods

The methods of assessment are in accordance with the UL Statutes and specified in the curricula.

Conditions for progression through the programme

A student may enrol in a higher year if he or she has completed the curriculum requirements of at least 45 credits by the end of the academic year.

Exceptionally, a student may enrol in a higher year even if he/she has not fulfilled all the requirements set by the study programme for enrolment in a higher year, if he/she has justified reasons for this as laid down in the UL Statutes.

Under the conditions set out in the preceding paragraph, a student may enrol in a higher year of study if he/she accumulates at least 40 ECTS credits. Exceptional enrolment shall be decided by the UL FPP Committee for Academic Affairs. A student who demonstrates above-average academic performance in his/her studies may be granted accelerated progression.

A student who has not completed all the requirements set by the study programme for entry to the upper year may repeat the year in accordance with the law if he/she has achieved at least 30 ECTS credits.

Conditions for switching between programmes

Transfers are possible between study programmes:

1. which provide comparable competences or learning outcomes at the end of the course;
2. of which at least half of the European Credit Transfer System (ECTS) requirements from the first programme of study relating to the compulsory subjects of the second programme of study may be recognised under the criteria for the recognition of knowledge and skills acquired prior to enrolment in the programme.

Other conditions for transfer between study programmes:

1. if the conditions for enrolment in a second-level postgraduate Master's degree programme in Maritime Studies are fulfilled,
2. if a candidate coming from another programme fulfils the conditions set out in the programme's promotion requirements. In this case, the pass marks of the comparable curriculum subjects recognised as passed examinations for the candidate coming from the other programme by the FPP Student Affairs Committee shall be taken into account.

Conditions for completing your studies

To complete the Master's degree, students must complete all the requirements for all the courses they have enrolled in and produce and defend a Master's thesis.

Conditions for completion of the individual parts of the programme, if contained in the programme

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Professional, scientific or artistic title (English title and abbreviation)

- Master of Science (M.Sc.)

INFORMATION ON THE **TRANSPORT** STUDY PROGRAMME

Version (valid from): 2024-1 (01.10.2024)

Basic information

Programme name	**Transport**
Programme features	
Type	Master's degree
Rate	second stage
CLASS-SRV	Master's degree (second Bologna cycle)/Master's degree (second Bologna cycle) (17003)
ISCED	• transport services (84)
CLASS-P	• Transport (transport) services (not further specified) (8400)
CLASS-P-16	• Transport (1041)
Frascati	• Technical sciences (2)
Raven SOK	Raven SOK 8
Raven EOC	Raven EOK 7
Raven EOVK	Second stage
Areas/modules/targets	• No articulation (study programme)
Members of the University of Ljubljana	• Faculty of Maritime Studies and Transport, Pot pomorščakov 4, 6320 Portorož, Slovenia
Duration (years)	2
Number of KT per year	60
Study delivery methods	full-time, part-time

The main objectives of the programme

The main objective of the second-level postgraduate Master's degree programme "Transport" is to upgrade professional knowledge and competence to solve complex professional and work problems in the field of transport sciences, to develop the ability to communicate within and between disciplines, professional criticality and responsibility, initiative and independence in decision-making and management. The acquired knowledge enables an interdisciplinary understanding of issues, especially transport technologies, transport logistics, transport safety and other processes that ensure the efficient functioning of the transport system.

The proposed study programme enables the creation of a profile of professionals who will be qualified to plan and manage services in accordance with the characteristics of transport, traffic and logistics processes, the operation of transport infrastructure and transport-handling means of integrated transport, and transport safety, in accordance with the technical-technological, natural, geospatial, human resources, legal, economic, information, telecommunications and other conditions of the integrated transport industries.

The knowledge acquired at this level enables students to continue their studies at the doctoral level or to find employment in research and development, transport services, transport, transport logistics and related activities, public administration, business and interest associations, etc.

General competences (learning outcomes)

The general competences to be acquired by the proposed study programme are in the field of transport - transport - transport logistics for the acquisition of competences:

- analysing transport science problems, synthesising knowledge and information, and anticipating potential solutions, their implementation and consequences,
- problem-solving through an interdisciplinary systems approach and analytical thinking, using research methods and diverse sources, and the ability to transfer and apply the knowledge gained to practice,
- integrating the in-depth theoretical and practical knowledge acquired and applying it to existing and new technological solutions,
- to create independent and autonomous improvements to existing transport, traffic and transport-logistics processes,
- continuous monitoring of new skills in the lifelong learning process,
- taking and resolving environmental and protective measures in the work environment,

- teamwork, communication skills and the development of professional ethics in a national and international environment, especially in the various EU institutions.

In this study programme, students acquire the following competences:

- knowledge and understanding of the transport system and organisation, transport technology, transport logistics and transport safety from theoretical and practical perspectives,
- knowledge and understanding of the factors of transport infrastructure and transport asset operation, transport planning and management, and the characteristics of traffic flows,
- Understanding of the general structure and ability to plan and design selected technological processes of transport technologies, transport and environment, geographical information systems in accordance with legal, economic and other provisions or regulations,
- knowledge and understanding of the drivers of logistics processes and logistics networks, and the legal and economic support for these processes,
- understanding of the overall structure and ability to plan and design logistics distribution centres, logistics marketing, relief logistics and other processes, in line with strategic management, IT and any other support,
- Knowledge and understanding of the factors of numerical analysis in traffic, traffic regulation, traffic accident analysis and the theoretical basis of traffic safety in all transport sectors,
- understanding of the general structure of transport biomechanics, vehicle dynamics and transport ergonomics, and relevant skills in transport engineering, reliability and maintenance, and intelligent transport systems,
- development and application of new methods in project tasks to solve problems in transport technology, transport logistics and transport safety in all transport sectors,
- an understanding of professional and scientific literature and the ability to write and publish professional and scientific papers.

Subject-specific competences (learning outcomes)

In this study programme, students acquire the following competences:

- knowledge and understanding of the transport system and organisation, transport technology, transport logistics and transport safety from theoretical and practical perspectives,
- knowledge and understanding of the factors of transport infrastructure and transport asset operation, transport planning and management, and the characteristics of traffic flows,
- Understanding of the general structure and ability to plan and design selected technological processes of transport technologies, transport and environment, geographical information systems in accordance with legal, economic and other provisions or regulations,
- knowledge and understanding of the drivers of logistics processes and logistics networks, and the legal and economic support for these processes,
- understanding of the overall structure and ability to plan and design logistics distribution centres, logistics marketing, relief logistics and other processes, in line with strategic management, IT and any other support,
- Knowledge and understanding of the factors of numerical analysis in traffic, traffic regulation, traffic accident analysis and the theoretical basis of traffic safety in all transport sectors,
- understanding of the general structure of transport biomechanics, vehicle dynamics and transport ergonomics, and relevant skills in transport engineering, reliability and maintenance, and intelligent transport systems,
- development and application of new methods in project tasks to solve problems in transport technology, transport logistics and transport safety in all transport sectors,
- an understanding of professional and scientific literature and the ability to write and publish professional and scientific papers.

Conditions for enrolment

The Master's degree **in Transport is** open to students who have successfully completed:

1. a study programme of at least first cycle attested by at least 180 credits in the relevant professional field of '**Transport (transport) services**': Road Transport, Rail Transport, Air Transport, Maritime and River Transport, Postal Transport, Forklift and Lift Operation, or in the professional field of '**Engineering**':

Mechanical Engineering, or an equivalent study programme obtained in accordance with the current regulations in the Republic of Slovenia or abroad.

1. a programme of studies of at least first cycle attested by at least 180 credits in other professional fields or an equivalent programme of studies obtained in accordance with the existing regulations in the Republic of Slovenia or abroad, **provided that the student has completed the study requirements prior to enrolment** which are essential for continuing his/her studies. These requirements shall be determined by the Study Affairs Committee of the UL FPP and shall range from 10 to a maximum of 60 credits."

Selection criteria in the event of an enrolment limitation

1. For candidates referred to in point 1 of the entry requirements, the first cycle of studies (average grade, final examination grade) is taken into account. If the candidate does not have a final examination grade, only the average grade will be taken into account,
2. For candidates referred to in point 2 of the entry requirements, the pass mark in the first cycle (75%) and the pass mark in the additional study requirements (25%) are taken into account. The points are calculated by rounding the average marks in the studies or additional study requirements to one decimal place and multiplying by 10 to give a maximum of 100 points.

Criteria for the recognition of knowledge and skills acquired before entry to the programme

Students may be awarded credit for knowledge which corresponds in content to the subjects taught in the Transport study programme and which has been acquired in various forms of education. The recognition of knowledge and skills acquired prior to enrolment is decided by the Study Affairs Committee of the UL FPP, on the basis of a written application from the student, attached certificates and other documents proving the successfully acquired knowledge and the content of these skills.

Assessment methods

The methods of assessment are in accordance with the UL Statutes and specified in the curricula.

Conditions for progression through the programme

A student may enrol in a higher year if he or she has completed the curricular requirements of at least 45 credits by the end of the academic year.

Exceptionally, a student may enrol in a higher year even if he/she has not fulfilled all the requirements set by the study programme for enrolment in a higher year, if he/she has justified reasons for this as laid down in the UL Statutes.

Under the conditions set out in the preceding paragraph, a student may enrol in a higher year of study if he/she accumulates at least 40 ECTS credits. Exceptional enrolment shall be decided by the UL FPP Committee for Academic Affairs. A student who demonstrates above-average academic performance in his/her studies may be granted accelerated progression.

A student who has not completed all the requirements set by the study programme for entry to the upper year may repeat the year in accordance with the law if he/she has achieved at least 30 ECTS credits.

Conditions for switching between programmes

Transfers are possible between study programmes:

1. which provide comparable competences or learning outcomes at the end of the course;
2. of which at least half of the European Credit Transfer System (ECTS) requirements from the first study programme that relate to the compulsory subjects of the second study programme may be recognised under the criteria for the recognition of knowledge and skills acquired prior to enrolment in the programme.

Other conditions for transfer between study programmes:

1. if the conditions for enrolment in a second-level postgraduate Master's degree programme in Maritime Studies are fulfilled,
2. if a candidate coming from another programme fulfils the conditions set out in the programme's promotion requirements. In this case, the pass marks of the comparable curriculum subjects recognised as passed

examinations for the candidate coming from the other programme by the FPP Student Affairs Committee shall be taken into account.

Conditions for completing your studies

To complete the Master's degree, students must complete all the requirements for all the courses they have enrolled in and produce and defend a Master's thesis.

Conditions for completion of the individual parts of the programme, if contained in the programme

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Professional, scientific or artistic title (English title and abbreviation)

- Master of Science (M.Sc.)

INFORMATION ON THE **MARITIME AND TRANSPORT** STUDY PROGRAMME

Version (valid from): 2024-1 (01.10.2024)

Basic information

Programme name	**Shipping and transport**
Programme features	
Type	PhD
Rate	third level
CLASS-SRV	Doctoral education (third Bologna cycle)/Doctorate of Science (third Bologna cycle) (18202)
ISCED	• transport services (84)
CLASS-P	• Transport (transport) services (not further specified) (8400)
CLASS-P-16	• Transport (1041)
Frascati	• Technical sciences (2)
Raven SOK	Raven SOK 10
Raven EOC	Raven EOK 8
Raven EOVK	Third level
Areas/modules/targets	• No articulation (study programme) • Maritime (scientific) • Transport (scientific)
Members of the University of Ljubljana	• Faculty of Maritime Studies and Transport, Pot pomorščakov 4, 6320 Portorož, Slovenia
Duration (years)	4
Number of KT per year	60
Study delivery methods	Associate

The main objectives of the programme

The main objective of the Transport and Maritime Sciences Doctoral Programme is to educate above-average students of Bologna Level II study programmes into highly qualified professionals who will be able to carry out independent scientific research and create new knowledge in the field of maritime and transport studies.

Upon completion of the doctoral studies, the PhD student will be able to carry out creative and independent scientific research and to solve scientific problems in the field of maritime and transport issues facing contemporary society. He/she will acquire the ability to understand and exercise critical judgement in the resolution of complex and wide-ranging scientific research questions.

General competences (learning outcomes)

The general competences acquired through the programme relate to the ability to critically analyse, evaluate and synthesise complex systems and processes, as well as to develop new methodological scientific research procedures in maritime and transport.

Accordingly, the general competences of a doctoral student upon completion of his/her studies are as follows

- the ability to identify, understand and define fundamental scientific problems and to solve complex application-oriented scientific challenges and to organise and manage scientific research and development work in the field of maritime and transport,
- Ability to abstract, with developed critical, analytical and synthetic thinking skills,
- the ability to identify the data needed to generate new knowledge and technical, technological and organisational solutions,
- the ability to integrate scientific knowledge in an interdisciplinary way,
- the ability to work as part of a team in a narrow and broad interdisciplinary field,
- the ability to develop new theoretical knowledge and applied engineering solutions based on it, taking into account environmental and social responsibility and respect for the engineering code of conduct,
- the ability to apply modern research methods and procedures,
- the ability to communicate with professional audiences in a variety of formats,

- the ability to critically evaluate and present their own research results, to accept developments in the world and to continue their independent education, research and monitoring of the literature.

Subject-specific competences (learning outcomes)

The subject-specific competences for the *Maritime* domain relate to the acquisition of the ability to build on fundamental knowledge, to develop a deeper understanding and to implement developments in the fields of:

- nautical,
- marine engineering,
- port systems,
- protecting the marine environment and coasts

For *Transport*, the subject-specific competences relate specifically to the acquisition of the ability to build on core knowledge, to develop a deeper understanding and to implement developments in the fields of:

- transport technologies,
- transport logistics,
- traffic safety,
- an integrated transport policy.

The subject-specific competences are set out in more detail in the curricula of each subject.

Conditions for enrolment

The Maritime and Transport Doctoral Programme is open to applicants who have completed:

- a second-level Bologna study programme, regardless of the course or field of study,
- a single master's degree programme which provides training for professions governed by European Union directives, if it is awarded 300 ECTS, or another single master's degree programme awarded 300 ECTS,
- your current (old) bachelor's degree programme,
- previous (old) specialisation studies, who have previously completed a higher professional programme in the field of maritime-transport-transport-logistics and natural, technical and social sciences. The additional study requirements for individual fields of study in the range of 30 to 60 ECTS shall be determined by the Doctoral Studies Committee of the UL FPP prior to the candidates' enrolment in the doctoral study programme,
- who have completed a Master's degree or specialisation programme and who have previously completed a university degree programme in maritime-transport-transport-logistics and natural sciences, technical economics. Candidates will be credited with 60 ECTS.

Graduates of foreign universities can also enrol in the Doctoral Programme in Maritime Studies and Transport. The equivalence of previously acquired education abroad is determined in the process of recognition of foreign education for the purpose of continuing education, in accordance with the regulations applicable to the University of Ljubljana.

Selection criteria in the event of an enrolment limitation

Selection will be based on performance in the second cycle of studies (average grade, master's thesis grade), performance in the optional examination set by the study programme and achievements in scientific and professional fields.

The selection of candidates will be based on:

- average study grade (15%)
- the grade of your bachelor's or master's thesis (5%); and
- a pass mark (80%) in the optional examination, which consists of a written examination in the field of maritime and transport studies.

The candidate may replace 40% of the mark in the written examination by an assessment of previous scientific and professional work in the field of the study programme.

The main criteria for scientific work are publications such as:

- scientific monograph,
- an independent scientific contribution in a monograph,

- original scientific articles in journals with an impact factor (JCR) or in journals indexed in SCI, SSCI or A HCI databases.

The main criteria for professional work are:

- expert monograph,
- an independent expert contribution in a monograph,
- published papers at conferences,
- expert articles,
- editing a monograph or journal,
- other forms of documented professional activity.

5 places are available on the Doctoral programme in Maritime Affairs and Transport.

Criteria for the recognition of knowledge and skills acquired before entry to the programme

Knowledge and skills acquired through formal or experiential learning prior to enrolment in a study programme will be recognised in the selection process at the time of the enrolment cap, in accordance with the Criteria for the Accreditation of Study Programmes. The recognition of knowledge and skills acquired prior to enrolment in the programme will be decided by the Research and Development Committee of the UL FPP.

When recognising such skills, they take into account:

- Professional specialisation,
- a second degree from a higher education institution,
- your scientific research work to date,
- published scientific papers,
- professional development,
- relevant work experience.

Assessment methods

The methods of assessment are in accordance with the UL Statutes and specified in the curricula.

Conditions for progression through the programme

Students must have completed the teaching and research assignments required by the programme for the previous year and must have obtained the following number of ECTS in order to be admitted to the upper year:

- a minimum of 50 ECTS, of which at least 20 ECTS must have been obtained in organised forms of study in the first year, in order to be admitted to the second year of study,
- for promotion to the 3rd year:
  - have completed all the study requirements of the organised forms of instruction from the 1st and 2nd year,
  - Completion of a doctoral seminar with a successful presentation of your doctoral dissertation topic,
  - confirmation of the positive assessment of the Doctoral Student Supervisory Committee on the suitability of the doctoral dissertation topic by the FPP Senate.

For promotion to the 4th year:

approval of the topic of the doctoral dissertation by the UL Senate.

Conditions for switching between programmes

Transition between programmes is defined as the termination of the student's studies in the programme in which he/she is enrolled and the continuation of his/her studies in the Doctoral Programme in Maritime Affairs and Transport. Applications from candidates for transfer to the Maritime and Transport Doctoral Programme will be considered individually by the UL FPP Research and Development Committee in accordance with the UL Statutory Rules.

Conditions for completing your studies

The completion of studies and the award of the title of Doctor of Science is conditional on the candidate successfully completing all the study requirements set out in the programme and successfully defending a doctoral dissertation totalling 240 KT. The doctoral candidate is also obliged to publish at least one first-

authored scientific article. The article must be published or accepted for publication no later than when the doctoral dissertation is submitted for assessment.

Conditions for completion of the individual parts of the programme, if contained in the programme

The Doctoral Programme in Maritime Affairs and Transport does not have individual programme components.

Professional, scientific or artistic title (English title and abbreviation)

- Doctor of Philosophy (Ph.D.)

INFORMATION ON THE STUDY PROGRAMME
ENVIRONMENTAL PROTECTION

Version (valid from): 2024-9 (21.10.2024)

Basic information

Programme name	**Environmental protection**
Programme features	Interdisciplinary
Type	PhD
Rate	third level
CLASS-SRV	Doctoral education (third Bologna cycle)/Doctorate of Science (third Bologna cycle) (18202)
ISCED	• Environmental protection (85)
CLASS-P	• Environmental protection (unspecified) (8500)
CLASS-P-16	• Interdisciplinary educational activities/outputs, mainly arts and humanities (0288) • Interdisciplinary educational activities/outputs, mainly social sciences, journalism and information science (0388) • Interdisciplinary educational activities/outputs, mainly business and administrative sciences, law (0488) • Environment (excluding environmental technology), unspecified (0520) • Interdisciplinary educational activities/outcomes, mainly natural sciences, mathematics and statistics (0588) • Environmental Technology (0712) • Interdisciplinary educational activities/outputs, mainly engineering, production technologies and construction (0788) • Interdisciplinary training activities/outputs, mainly agriculture, forestry, fisheries and veterinary medicine (0888) • Interdisciplinary educational activities/resources, mainly health and social security (0988) • Sanitation and public utilities (1021) • Interdisciplinary educational activities/outcomes, mainly transport, security, hospitality and tourism, personal services (1088)
Frascati	• Natural and Mathematical Sciences (1) • Technical sciences (2) • Medical Sciences (3) • Biotechnical Sciences (4) • Social sciences (5) • Humanities (6)
Raven SOK	Raven SOK 10
Raven EOC	Raven EOK 8
Raven EOVK	Third level
Areas/modules/targets	• No articulation (study programme)
Members of the University of Ljubljana	• Faculty of Biotechnology, Jamnikarjeva ulica 101, 1000 Ljubljana, Slovenia • Faculty of Economics, Kardeljeva ploščad 17, 1000 Ljubljana, Slovenia • Faculty of Social Sciences, Kardeljeva ploščad 5, 1000 Ljubljana, Slovenia • Faculty of Civil Engineering and Geodesy, Jamova 2, 1000 Ljubljana, Slovenia • Faculty of Chemistry and Chemical Technology, Večna pot 113, 1000 Ljubljana, Slovenia • Faculty of Mathematics and Physics, Jadranska ulica 19, 1000 Ljubljana, Slovenia • Faculty of Maritime Studies and Transport, Pot pomorščakov 4, 6320 Portorož, Slovenia • Faculty of Mechanical Engineering, Aškerčeva 6, 1000 Ljubljana, Slovenia

	• Faculty of Arts, Aškerčeva 2, 1000 Ljubljana, Slovenia • Faculty of Medicine, Vrazov trg 2, 1000 Ljubljana, Slovenia • Faculty of Natural Sciences and Engineering, Aškerčeva cesta 12, 1000 Ljubljana, Slovenia • Faculty of Law, Poljanski nasip 2, 1000 Ljubljana, Slovenia • Faculty of Veterinary Medicine, Gerbičeva ulica 60, 1000 Ljubljana, Slovenia
Duration (years)	4
Number of KT per year	60
Study delivery methods	Associate

The main objectives of the programme

The main objective of the interdisciplinary PhD programme in Environmental Protection is to train highly qualified professionals who will be able to solve complex environmental problems with an interdisciplinary approach and the ability to integrate knowledge from different fields into a comprehensive solution. In the first case, they will look for preventive solutions to prevent environmental damage: through public social action, through a more appropriate spatial distribution of activities, through correct technical measures, etc. In the second case, they will look for solutions to eliminate the consequences, reduce pollution and remediate the situation - mainly from technical, renovation, medical-hygienic, spatial-planning and other perspectives.In the second case, they will look for solutions to remedy the consequences, reduce pollution and remediate the situation - mainly from technical, renovation, medical-hygienic, spatial-planning and other perspectives.In the third case, they will look for solutions to remedy the situation. The programme is interdisciplinary and aims to develop skills in the fields of biotechnics, engineering, natural sciences, medicine and the social sciences and humanities.

General competences (learning outcomes)

Upon completion of the PhD, the student will be able to carry out creative and independent scientific research and solve scientific problems using an interdisciplinary approach. They will be able to critically evaluate research results, develop new research methods and transfer new technologies and knowledge into practice.

Subject-specific competences (learning outcomes)

The PhD student will deepen his/her interdisciplinary knowledge in specific fields, acquire the ability to address challenging and complex scientific research questions in different areas of environmental protection and develop new research methods. He/she will be able to carry out independent research work, solve specific work problems using modern scientific methods and procedures, find new solutions and manage the most complex scientific research and other projects.

The objectives and competences are also set out in the curricula for each subject.

Conditions for enrolment

The interdisciplinary PhD programme in Environmental Protection is open to graduates:

1. second-level study programmes

2. study programmes which train for professions regulated by European Union directives, provided that they are worth 300 credits (e.g. medicine, dentistry, veterinary medicine, pharmacy), or other single master's degree programmes worth 300 credits.

3. specialisation programmes who have previously completed a higher professional programme. The Programme Board for Environmental Protection shall set additional requirements for these candidates, ranging from 30 to 60 credits, prior to enrolment in the third cycle study programme.

4. study programmes leading to a master's degree or a specialisation following a bachelor's degree. These candidates shall be awarded study requirements of at least 60 credits in a third cycle doctoral programme.

5. bachelor's degree programmes adopted before 11.6.2004.

Graduates of foreign universities can also enrol in the PhD programme in Environmental Protection. The equivalence of previously acquired education abroad is determined in the process of recognition of foreign education for further education, in accordance with the UL Statutes.

Selection criteria in the event of an enrolment limitation

In the event that more applicants apply for the programme than the number of places available, the selection of candidates for admission to the Interdisciplinary Doctoral Programme in Environmental Protection will be based on:

- performance in previous university studies or second cycle studies (50%)

(40% for an average grade of 8 or above in the previous university or postgraduate studies and 10% for a grade of 9 or 10 in the bachelor's or master's thesis)

-success in an optional exam (50%)

(of which the presentation of the PhD thesis 30%, evidence of previous scientific research work and prizes 20%).

In the event of an enrolment cap, the candidates with the highest cumulative percentage will be selected.

When selecting candidates for admission, consideration is also given to the available research capacity of potential mentors.

Criteria for the recognition of knowledge and skills acquired before entry to the programme

Knowledge and skills acquired through formal, non-formal or experiential learning prior to enrolment in the programme will be recognised in the selection process when limiting enrolment, in accordance with the Rules of the University of Ljubljana on the Procedure and Criteria for the Recognition of Informally Acquired Knowledge and Skills. The Programme Board, with the consent of the candidate's mentor and co-mentor, will decide on the recognition of the knowledge and skills acquired by the candidate prior to enrolment in the programme on the basis of a written application from the candidate and the attached evidence (certificates and other documents) proving the successful acquisition of the knowledge and the content of these skills.

Assessment methods

The methods, formats and structure of examination and assessment enable UL students to adequately verify their learning outcomes and competences. Students' knowledge is tested and assessed on a subject-by-subject basis, and the forms of assessment are specified in the curricula of the subjects. The examination of knowledge, including the way in which examinations are assessed, is defined in detail in the UL Statutes, Articles 128 to 150, and some Members have adopted Regulations on the examination and assessment of knowledge. The results of examinations are published on the notice boards of the Members or on websites which allow students to compare their results with those of other participants in the examination through registration numbers or other passwords. Feedback on student progress is also given by some Members through praise and awards to the best students.

In accordance with Article 138 of the UL Statutes, performance in examinations is assessed by marks:
10 - (excellent: outstanding results with negligible errors),
9 - (good: above average performance but with some errors),
8 - (very good: solid results),
7 - (good: good knowledge but with major errors),
6 - (sufficient: knowledge meets the minimum criteria),
5 - 1 - (insufficient: knowledge does not meet the minimum criteria).
A candidate passes the examination if he/she obtains a pass mark between satisfactory (6) and excellent (10).

Success in examinations in doctoral programmes may also be assessed by grades:
fail
Pass
pass with distinction.

The specific way in which success in examinations in doctoral programmes is assessed shall be defined in the doctoral programme.

Within the framework of the doctoral programme in Environmental Protection, the method of examination and assessment shall be laid down in the curricula of the courses.

Conditions for progression through the programme

The conditions for advancement from the 1st to the 2nd year of doctoral studies are the completion of study requirements of at least 45 KT. Of these, the doctoral candidate must complete at least 30 KT in the compulsory methodology and foundation courses.

Students who have completed all the study requirements of the organised forms of instruction from the 1st and 2nd year, the doctoral seminar with a successful presentation of the topic of the doctoral dissertation and a positive evaluation of the Doctoral Student Monitoring Committee on the appropriateness of the topic of the doctoral dissertation at the UL Member Senate, confirmed by , may be enrolled in the 3rd year of the doctoral study programme.

Students who have completed all the study requirements of the first three years and had the topic of their doctoral dissertation approved by the UL Senate may enrol in the fourth year.

Conditions for switching between programmes

Transfer from other doctoral programmes to the interdisciplinary doctoral programme in Environmental Protection is possible if the student fulfils the eligibility conditions for enrolment in this programme. When transferring from another study programme, the candidate must submit a certificate of completion of the study requirements of the study programme in which he/she was enrolled and the valid syllabuses for the courses and other subjects in which he/she has completed the study requirements. Applications for transfer to the PhD programme in Environmental Protection will be considered individually by the Programme Board in accordance with the Criteria for Transfers between Study Programmes and the Statutes of the University of Ljubljana.

Conditions for completing your studies

The completion of studies and the award of the title of Doctor of Science is conditional on the candidate successfully completing all the study requirements set out in the programme and successfully defending a doctoral dissertation totalling 240 KT. The doctoral candidate is also obliged to publish at least one first-authored scientific article. The scientific article must be published or accepted for publication at the latest at the time of submission of the doctoral dissertation for assessment.

Conditions for completion of the individual parts of the programme, if contained in the programme

There is no possibility to complete individual parts of the programme.

Professional, scientific or artistic title (male)

- Doctor of Science

Professional, scientific or artistic title (female)

- Doctor of Science

Professional, scientific or artistic title (abbreviation)

- Dr.

Professional, scientific or artistic title (English title and abbreviation)

- Doctor of Philosophy (Ph.D.)