




 **FACULTY OF ENVIRONMENTAL PROTECTION**

*become*  
Master of Eco-technologies



# FACULTY OF ENVIRONMENTAL PROTECTION

## Master's degree - the second degree study programme

### General information about the study programme

#### Name of the study programme

Environmental Protection and Eco-technologies

#### Level and type of the study programme

Master's degree – the second degree study programme

#### Professional title of master graduates

Master of Eco-technologies

#### Length of study

2 years (120 ECTS)

### General goals of the study programme

Master's study programme of Environmental Protection and Eco-technologies introduces a new scientific-research perspective at the Faculty of Environmental Protection (FEP) in the academic year 2012/13. Similarly to the first degree study programme the master study programme is supported by local, regional and national institutions (research institutes, environmentally cautious companies and associations, Chamber of Commerce and Industry of Slovenia – departments for environmental protection). The goal of the programme is to offer the graduate students in-depth knowledge about the topics related to environment and natural preservation seeing them also from the sociological perspective.

### End of study

Each student who will meet all prescribed study obligations and acquire 120 ECTS will finish the study.

### Method of study implementation

Full-time study  
Part-time study

### Place of study implementation

Part-time study will be implemented in Velenje

### Study fee

The study fee amount will be defined by the Administrative Board of the Faculty of Environmental Protection Velenje by the end of June each year.

### Syllabus of the study programme

The study programme Environmental Protection and Eco-technologies takes two years (4 semesters) and is evaluated with 120 ECTS credit points. It is comparable with other similar study programmes at colleges abroad, which enables EPC Velenje to integrate successfully with other higher education and international student mobility. Since acquiring an extended ERASMUS charter in 2010, the Erasmus mobility is being performed in the following partner institutions of EPC: Institute for Polytechnics Porto Portugal, Hedmark University College Norway and University of Akureyri Iceland. We cooperate with Technical Faculty of Tuzla University in Bosnia and Herzegovina, with University of Skopje in Macedonia, University of Palermo in Sicily Italy, University of Graz in Austria, University of Malmö in Sweden, Institute for Geophysics and Vulcanology in Catania in Sicily, Higher Education Institute Rezekne of the Technical University in Riga, Latvia.

### Employment possibilities of master graduates

- in companies which are trying to economise the consumption of raw materials, energy and water and other natural resources and sources to economise waste management not only in terms of preserving the environment, but as well in terms of costs cutting measures in business,
- in institutions or departments dealing with various development contents and fields which need to follow environmental requirements to preserve the nature,
- boundlessness and entanglement of natural resources and sources with all fields of human activities and work enable a wide variety of employment possibilities of future master graduates regarding the content with adequate professional knowledge and references.

### Prerequisites

- students completed the first degree study programme of: (1) education sciences, (2) social sciences, (4) natural sciences, technical sciences, (6) agriculture, forestry, fisheries and veterinary, (5) health and social studies and the study programme of services (8), subdivisions of environmental protection (85) in the extent of at least 180 ECTS credit points,
- the students completed any study programme which does not meet the requirements from the paragraph above shall submit their applications for their enrollment to the enrollment committee of the college.

### Prerequisites for transition among study programmes

For the transition among study programmes termination of a student's education in one study programme is considered, which a student enrolled, and continuing of the student's education in a new study programme, where all or part of student's obligations completed in the previous study programme are recognised as completed obligations from the other study programme. According to transition requirements the graduates of university study programmes accepted prior to 11.6.2004 can not be directly enrolled into the 2<sup>nd</sup> study year of the master study programme Environmental Protection and Eco-technologies due to specificities of the syllabus, apart from the graduates from the university study programme Environment at the Faculty of Environmental Sciences University of Nova Gorica. On any other study transitions from other study programmes the Enrollment Committee of the EPC Velenje shall decide based on submitted written application of a student whereby the regulations of Higher Education Act and Transition requirements among study programmes shall be followed. Thereby study obligations completed by a student shall as well be taken into consideration. Each student applicant shall submit an original extract from their preliminary study programme and certificate on completion of study obligations within that study programme. The Student Affair Committee shall individually consider and define all obligations needed to be completed by each student to finish the second degree study programme Environmental Protection and Eco-technologies.

### 1<sup>st</sup> year subjects:

Subjects	L	SW	FW	LW	ECTS
1. Environmental technologies	50	10	20	20	9
2. Sustainable treatment with landscape sources	45	20	10	/	7
3. Environmental law	45	20	10	/	7
4. Economics and environmental management	45	20	10	/	7
5. Project and research work	20	20	20	/	12
6. Module I.	20	15	15	/	6
7. Module I.	20	15	15	/	6
8. Module I.	20	15	/	15	6
<b>Total</b>	<b>265</b>	<b>135</b>	<b>100</b>	<b>35</b>	<b>60</b>

### 2<sup>nd</sup> year subjects:

Subjects	L	SW	FW	LW	ECTS
1. Module II.	20	15	15	/	6
2. Module II.	20	15	15	/	6
3. Module II.	20	15	/	15	6
4. Optional subjects I	20	15	15	/	6
5. Optional subjects II	20	15	15	/	6
6. Master's Thesis	/	30	/	/	30
<b>Total</b>	<b>100</b>	<b>105</b>	<b>60</b>	<b>15</b>	<b>60</b>

### Modular subjects in the 1<sup>st</sup> and 2<sup>nd</sup> year:

Subjects	L	SW	FW	LW	ECTS	Module
1. Noise and noise attenuation technologies	20	15	/	15	6	M1
2. Bioindication and biomonitoring	20	/	15	15	6	M1
3. Environment and energy resources	20	15	/	15	6	M1
4. Climate changes	20	/	15	15	6	M2
5. Human and environmental affect on health	20	15	15	/	6	M2
6. Environmental terrorism and bioterrorism	20	15	15	/	6	M2
7. Toxicology	20	15	15	/	6	M3
8. Sustainable development of protected areas	20	15	15	/	6	M3
9. Ecology and water preservation	20	15	15	/	6	M3

MODULE 1: Eco-technologies

MODULE 2: Environment and a human

MODULE 3: Protection of the nature

### Optional subjects:

Subjects	L	SW	FW	LW	ECTS
1. Sustainable tourism and recreation	20	15	15	/	6
2. Management with hazardous substances	20	15	15	/	6
3. Kinetics of environmental pollutants and the use of test organisms	20	15	/	15	6
4. Energy saving construction	20	15	15	/	6

Legend: L – lectures; SW – seminar work; FW – field work; LW – laboratory work; ECTS – european credit transfer system