



Univerza v Mariboru

Fakulteta za energetiko
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UNIVERSITY OF MARIBOR

FACULTY OF ENERGY TECHNOLOGY

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THE 2ND-CYCLE STUDY PROGRAMME IN ENERGY TECHNOLOGY

Location: Krško (full-time studies), Velenje (part-time studies)

Duration: 2 years, 120 ECTS

Admission requirements:

Candidates who completed the following may apply for the 2nd-cycle (master's) study programme in *Energy Technology*:

1. A 1st-cycle (bachelor's) study programme in one of the following fields: economics (0311), management and administration (0413), natural sciences, mathematics and statistics (05), Information and Communication Technologies (ICTs) (06), engineering, manufacturing and construction (07), agriculture not further defined (0810), occupational health and safety (1022), or transport services (1041).
2. A 1st-cycle (bachelor's) study programme in a field not specified under point 1.
Prior to enrolment, candidates shall pass the following courses corresponding to 17 ECTS credits under the 1st-cycle (bachelor's) study programme, a supplementary study programme, or by taking bridging exams: *Systems Management*, *Hydraulic Energy Systems I*, and *Energy Technology and Environmental Protection*.
3. An undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: economics (0311), management and administration (0413), natural sciences, mathematics and statistics (05), Information and Communication Technologies (ICTs) (06), engineering, manufacturing and construction (07), agriculture not further defined (0810), occupational health and safety (1022), or transport services (1041).
4. An undergraduate professional study programme adopted prior to 11 June 2004 in a field not specified under point 3.
Prior to enrolment, candidates shall pass the following courses corresponding to 17 ECTS credits under the 1st-cycle (bachelor's) study programme, a supplementary study programme, or by taking bridging exams: *Systems Management*, *Hydraulic Energy Systems I*, *Energy Technology and Environmental Protection*.
5. An undergraduate academic study programme adopted prior to 11 June 2004 in one of the following fields: economics (0311), management and administration (0413), natural sciences, mathematics and statistics (05), Information and Communication Technologies (ICTs) (06), engineering, manufacturing and construction (07), agriculture not further defined (0810), occupational health and safety (1022), or transport services (1041).
Candidates are typically awarded 60 ECTS credits and may enrol in the second year of study provided they satisfy the transfer criteria laid down in the accredited study programme.
6. An undergraduate academic study programme adopted prior to 11 June 2004 in a field not specified under point 5.
Candidates are awarded 44 ECTS credits and may enrol in the corresponding year of study.
7. A specialisation following an undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: economics (0311), management and administration (0413), natural sciences, mathematics and statistics (05), Information and Communication Technologies (ICTs) (06), engineering, manufacturing and construction (07), agriculture not further defined (0810), occupational health and safety (1022), or transport services (1041).

Candidates are typically awarded 60 ECTS credits and may enrol in the second year of study provided they satisfy the transfer criteria laid down in the accredited study programme.

8. A specialisation following an undergraduate professional study programme adopted prior to 11 June 2004 in a field not specified under point 7.
Candidates are awarded 44 ECTS credits and may enrol in the corresponding year of study.

Selection criteria in the event of limited enrolment:

If the number of applications exceeds the number of available positions, candidates shall be ranked according to:

- grade point average excluding the thesis (80%) and
- grade awarded for the thesis (20%).

If the thesis is not required for completion of the study programme, only the grade point average shall be considered (100%).

Transfer criteria:

In accordance with the transfer criteria, candidates may transfer to the 2nd-cycle (master's) study programme in *Energy Technology* from study programmes in the field of economics (0311), management and administration (0413), natural sciences, mathematics and statistics (05), Information and Communication Technologies (ICTs) (06), engineering, manufacturing and construction (07), agriculture not further defined (0810), occupational health and safety (1022), or transport services (1041) provided they lead to the acquisition of comparable competencies and that at least half of the study obligations under the previous study programme relating to compulsory courses of the new study programme are recognized.

Under the recognition procedure, fulfilled study obligations that may be recognized fully or partially are identified, and study obligations required for completion of the new study programme are laid down.

Mode of study: full-time and part-time

A minimum of 10 enrolled students is required for the part-time programme to be implemented in the form of classes (50% of hours intended for the full-time programme). In the event of fewer than 10 candidates, the part-time programme shall be implemented in a limited form (individual consultations).

The part-time programme shall be implemented only if 3 or more students enrol.

THE 3RD-CYCLE STUDY PROGRAMME IN ENERGY TECHNOLOGY

Location: Krško

Duration: 3 years, 180 ECTS

Admission requirements:

Candidates who completed the following may apply for the 3rd-cycle (doctoral) study programme in *Energy Technology*:

- A 2nd-cycle (master's) study programme.
- An undergraduate academic study programme adopted prior to 11 June 2004.
- A specialisation following an undergraduate professional study programme adopted prior to 11 June 2004. Prior to enrolment, candidates shall pass the following courses corresponding to 45 ECTS credits under the 2nd-cycle (master's) study programme in *Energy Technology: Mathematical Methods, Nuclear Installation and Irradiation Facilities, Thermography and Control of Air-Conditioning Systems, Advanced Aero- and Hydro-Energy Technologies, Electric Power System Operation, High Voltage Systems in Energetics, Equipment and Diagnostics of Internal Combustion Engines, and Methods of Energy Resources Exploitation*.
- A study programme educating students for professions regulated by EU directives or another unified (long-cycle) master's study programme corresponding to 300 ECTS credits.

Selection criteria in the event of limited enrolment:

If the number of applications exceeds the number of available positions, candidates shall be ranked according to:

- grade point average excluding the thesis (80%) and
- grade awarded for the thesis (20%).

If the thesis is not required for completion of the study programme, only the grade point average shall be considered (100%).

Transfer criteria:

In accordance with the transfer criteria, candidates may transfer to the 3rd-cycle (doctoral) study programme in *Energy Technology* from other 3rd-cycle (doctoral) study programmes and doctoral programmes adopted prior to 11 June 2004 from the field of energy technology and from related fields of mechanics, building and civil engineering, electricity, computer science, mathematics, physics, chemical technology, mechatronics, informatics, telecommunications, electroenergetics, mining and geotechnology, or agriculture, or from other comparable study programmes. The following criteria shall be considered: fulfilment of admission criteria and the number of positions available. Under the recognition procedure, fulfilled study obligations that may be recognized fully or partially are identified. Students shall submit an official printout of the study programme and a certificate of fulfilled study obligations. The Faculty's Academic Affairs Committee shall examine each application on a case-by-case basis and lay down study obligations to be fulfilled in order to earn a degree under the 3rd-cycle (doctoral) study programme in *Energy Technology*.

In accordance with the transfer criteria, candidates who completed the following may be admitted to the second year of study of the 3rd-cycle (doctoral) study programme in *Energy Technology*:

- a) A master of science study programme adopted prior to 11 June 2004. Candidates are awarded 60 ECTS credits.
- b) A specialisation following an undergraduate academic study programme adopted prior to 11 June 2004. Candidates are awarded 60 ECTS credits.

Mode of study: part-time

A minimum of 10 enrolled students is required for the part-time study programme to be implemented in the form of classes. In the event of fewer than 10 candidates, the study programme shall be implemented in a limited form (individual consultations).

Number of available positions: The number of available positions is published in the table that represents an integral part of the Call.