University of Maribor

Faculty of Energy Technology

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THE 2ND-CYCLE STUDY PROGRAMME IN ENERGY TECHNOLOGY

Location: Krško (full-time and part-time studies), Velenje (full-time and part-time studies)
Duration: 2 years, 120 ECTS

Access 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 16 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 *Software in Energy Technology*.

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 16 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*, *Software in Energy Technology*.

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 un 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 competences and that at least half of the study obligations under the previous study programme relating to compulsory courses of the new study programme are recognised.

Under the recognition procedure, fulfilled study obligations that may be recognised 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

The part-time programme shall be implemented only if 8 or more students enrol. The part-time programme will be implemented in the scope of 50% of the contact hours of the full-time programme.

THE 3RD-CYCLE STUDY PROGRAMME IN ENERGY TECHNOLOGY

Location: Krško
Duration: 3 years, 180 ECTS

Access 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*: *Differential Analysis*, *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 for Internal Combustion Engines*, and *Methods of Energy Resources Exploitation*.
- A study programme educating students for professions regulated by EU directives or another integrated (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 Criteria for Transferring Between Study Programmes, candidates may transfer between existing higher education study programmes within the same cycle of study.

In accordance with the Criteria for Transferring Between Study Programmes, candidates may enrol in the 3rd-cycle study programme in Energy Technology when they are transferring from 3rd-cycle study programmes or doctoral programmes adopted prior to 11 June 2004 in the field of energy technology and in related fields of mechanics, building and civil engineering, electricity, computer science, mathematics, physics, chemical technology, mechatronics, informatics, telecommunications, electroenergetics, mining and geotechnology, agriculture, or from other comparable study programmes.

Candidates may transfer to the study programme provided they fulfil the following criteria:

- criteria for the enrolment in the first year of the 3rd-cycle study programme in Energy Technology;
- they are transferring from a study programme leading to the acquisition of comparable competences or learning outcomes;
- at least half of the study obligations evaluated according to ECTS credit system of the previous study programme relating to compulsory courses of the new study programme are recognised.

In accordance with the Criteria for Transferring Between Study Programmes, candidates may enrol in the second year of study if they have completed:

- a master of science study programme adopted prior to 11 June 2004 – these candidates are awarded 60 ECTS credits;
- a specialisation following an undergraduate academic study programme adopted prior to 11 June 2004 – these candidates are awarded 60 ECTS credits.

If the number of applications exceeds the number of available enrolment places, candidates shall be ranked according to their grade point average during their previous study programme.

Mode of study: part-time

A minimum of 8 enrolled students is required for the part-time study programme to be implemented in the form of classes. In the event of fewer than 8 candidates, the study programme shall be implemented in a limited form (individual consultations).

Number of available places: The number of available enrolment places is published in the tables that represent an integral part of the Call.