



Univerza v Mariboru

Fakulteta za energetiko

Hočevarjev trg 1
8270 Krško, Slovenia

UNIVERSITY OF MARIBOR
FACULTY OF ENERGY TECHNOLOGY
Location: Hočevarjev trg 1, 8270 Krško
Phone: 07 62 02 210, **fax:** 07 62 02 222
[http://http://www.fe.um.si/si/](http://www.fe.um.si/si/)
E-mail: fe@um.si

Unit in **Velenje:** Koroška c. 62a, 3320 Velenje
Phone: 03/77 70 400, **fax:** 03/77 70 423

MASTER'S (SECOND-CYCLE) PROGRAMME "ENERGY TECHNOLOGY"

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

Admission requirements:

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

1. A bachelor's (1st-cycle) programme in a relevant field: 40 – science, 44 – physical sciences, 46 – mathematics and statistics, 48 – computing, 52 – engineering and engineering trades, 54 – manufacturing and processing, 58 – architecture and building, 62 – agriculture, forestry and fishery, 84 – transport services, 85 – environmental protection;
2. A bachelor's (1st-cycle) programme in one of the following fields: 14 – teacher training and education science, 21 – arts, 22 – humanities, 31 – social and behavioural science, 32 – journalism and information, 34 – business and administration, 38 – law, 42 – life sciences, 64 – veterinary, 72 – health, 76 – social services, 81 – personal services, 86 – security services. Prior to enrolment, candidates must fulfil study obligations corresponding to 13 ECTS credits under the bachelor's (1st-cycle) programme, a training programme or by taking placement tests. Candidates must fulfil the following obligations: "Software for Power Engineering", "Basic Principles of Energetic Systems", "Environmental Protection";
3. A bachelor's vocational programme adopted prior to 11 June 2004 in a relevant field: 40 – science, 44 – physical sciences, 46 – mathematics and statistics, 48 – computing, 52 – engineering and engineering trades, 54 – manufacturing and processing, 58 – architecture and building, 62 – agriculture, forestry and fishery, 84 – transport services, 85 – environmental protection;
4. A bachelor's vocational programme adopted prior to 11 June 2004 in one of the following fields: 14 – teacher training and education science, 21 – arts, 22 – humanities, 31 – social and behavioural science, 32 – journalism and information, 34 – business and administration, 38 – law, 42 – life sciences, 64 – veterinary, 72 – health, 76 – social services, 81 – personal services, 86 – security services. Prior to enrolment, candidates must fulfil study obligations corresponding to 13 ECTS credits under the bachelor's (1st-cycle) programme, a training programme or by taking placement tests. Candidates must fulfil the following obligations: "Software for Power Engineering", "Basic Principles of Energetic Systems", "Environmental Protection";
5. An undergraduate programme adopted prior to 11 June 2004 in a relevant field: 40 – science, 44 – physical sciences, 46 – mathematics and statistics, 48 – computing, 52 – engineering and engineering trades, 54 – manufacturing and processing, 58 – architecture and building, 62 – agriculture, forestry and fishery, 84 – transport services, 85 – environmental protection. These candidates are awarded 60 ECTS credits and may enrol in the second year provided they satisfy the transfer criteria laid down in the accredited degree programme;
6. An undergraduate programme adopted prior to 11 June 2004 in one of the following fields: 14 – teacher training and education science, 21 – arts, 22 – humanities, 31 – social and behavioural science, 32 – journalism and information, 34 – business and administration, 38 – law, 42 – life sciences, 64 – veterinary, 72 – health, 76 – social services, 81 – personal services, 86 – security services. These candidates are awarded 44 ECTS credits and may enrol in the corresponding year;
7. A bachelor's vocational programme adopted prior to 11 June 2004 and a specialisation programme adopted prior to 11 June 2004 in a relevant field: 40 – science, 44 – physical sciences, 46 – mathematics and statistics, 48 –

computing, 52 – engineering and engineering trades, 54 – manufacturing and processing, 58 – architecture and building, 62 – agriculture, forestry and fishery, 84 – transport services, 85 – environmental protection. These candidates are typically awarded 60 ECTS credits and may enrol in the second year if they satisfy the transfer criteria laid down in the accredited study programme;

8. A bachelor's vocational programme adopted prior to 11 June 2004 and a specialisation programme adopted prior to 11 June 2004 in one of the following fields: 14 – teacher training and education science, 21 – arts, 22 – humanities, 31 – social and behavioural science, 32 – journalism and information, 34 – business and administration, 38 – law, 42 – life sciences, 64 – veterinary, 72 – health, 76 – social services, 81 – personal services, 86 – security services. These candidates are awarded 44 ECTS credits and may enrol in the corresponding year.

Selection criteria in the event of limited enrolment:

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

- grade point average, excluding bachelor's thesis: 80%
- grade awarded for the bachelor's thesis: 20%

If the bachelor's thesis is not required for completion of the programme, only the grade point average shall be taken into account (100%).

Transfer criteria:

In accordance with the transfer criteria, candidates may transfer to the master's (2nd-cycle) programme "Energy Technology" from programmes in the field of science (40), physical sciences (44), mathematics and statistics (46), computing (48), engineering and engineering trades (52), manufacturing and processing (54), architecture and building (58), agriculture, forestry and fishery (62), transport services (84) and environmental protection (85) provided they lead to the acquisition of comparable competencies and that at least half of the ECTS-based obligations under the former study programme relating to compulsory subjects of the new programme can be recognized.

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

Selection criteria in the event of limited enrolment:

In the event of enrolment restriction, the grade point average under the bachelor's programme will be taken into account.

Mode of study: full-time; part-time

A minimum of 20 enrolled students are required to implement the part-time programme in the form of courses, lectures, etc. In the event of fewer than 10 candidates, the part-time programme will be implemented in reduced form (mentors, individual consultations, etc.).

The part-time programme will be implemented only in the event of 3 or more candidates.

DOCTORAL (3RD-CYCLE) PROGRAMME "ENERGY TECHNOLOGY"**Location:** Krško**Duration:** 3 years, 180 ECTS**Admission requirements:**

Candidates who completed the following may enrol in the doctoral (3rd cycle) programme "Energy Technology":

- A master's (2nd-cycle) programme;
- An undergraduate programme adopted prior to 11 June 2004;
- A bachelor's vocational programme adopted 11 June 2004 and a specialisation programme. Prior to enrolment, candidates must satisfy study obligations corresponding to 45 ECTS credits. Candidates must pass the following exams under the master's (2nd-cycle) programme: "Operations Research", "Optimization of Energy Systems", "Maintenance of Systems I", "Supply of Industrial Buildings", "Sensor Systems", "High Voltage and Large Current Technique", "Nuclear Installation and Irradiation Facilities", "Technics and Devices in Power Production", "Marketing and Market Research", "Energy And Environment", "Energy Supply of The Buildings", "Nuclear Non-Destructive Testing Methods";
- A study programme educating students for professions regulated by EU directives or another master's programme corresponding to 300 ECTS credits.

Selection criteria in the event of limited enrolment:

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

- grade point average excluding thesis: 80%;
- grade awarded for the thesis: 20%.

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

Transfer criteria:

In accordance with the transfer criteria, candidates may enrol in the 3rd-cycle doctoral programme "Energy Technology" from other 3rd-cycle doctoral programmes and doctoral programmes (adopted prior to 11 June 2004) from the field of energy technology and related fields, mechanics, building and civil engineering, electricity, computer science, mathematics, physics, chemical technology, mechatronics, informatics, telecommunications, electroenergetics, mining and geotechnology, agriculture or any other comparable programme. The following criteria shall be taken into account: fulfilment of admission criteria and the number of positions available. Under the recognition process, fulfilled study obligations that may be recognized fully or partially are identified. Students must submit an official printout of the study programme and a certificate of fulfilled obligations. The Postgraduate Studies Committee of the Faculty of Energy Technology will 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 programme "Energy Technology".

In accordance with the transfer criteria, candidates who completed the following may be admitted to the 2nd year of the doctoral (3rd-cycle) programme "Energy Technology":

- a) A master's programme (MSc) adopted prior to 11 June 2004 – these candidates are awarded 60 ECTS credits;
- b) An undergraduate programme adopted prior to 11 June 2004 and a specialisation programme – these candidates are awarded 60 ECTS credits.

Mode of study: part-time

A minimum of 10 enrolled students are required to implement the part-time programme in the form of courses, lectures, etc. In the event of fewer than 10 candidates, the programme will be implemented in a limited form (individual consultations, etc.).

Number of available positions: The number of positions available is published in a table, which is attached to and represents an integral part of the call text.