Univerza v Mariboru

Faculty of Electrical Engineering and Computer Science
Faculty of Mechanical Engineering

UNIVERSITY OF MARIBOR
FACULTY OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE
Koroška cesta 47, 2000 Maribor
http://www.feri.um.si/

FACULTY OF MECHANICAL ENGINEERING
Smetanova ulica 17, 2000 Maribor
http://www.fs.um.si

INTERDISCIPLINARY MASTER'S (2ND-CYCLE) PROGRAMME „MECHATRONICS"

Location: Maribor
Duration: 2 years, 120 ECTS
http://www.fs.um.si/studij/studijski-programi/2-stopnja/mehatronika/

Admission requirements:

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

1. A bachelor's (1st-cycle) programme in a relevant field: engineering and engineering trades (broad programmes) – mechatronics (520), mechanics and metal work (521), industrial engineering – mechanical engineering (521), electricity and energy (522), industrial engineering – electrical engineering (522), electronics and automation (523), motor vehicles, ships and aircraft (525), physical science (broad programmes) (440), physics (441);
2. A bachelor's (1st cycle) programme in one of the following fields: mathematics and statistics (46), computing (48), chemical and process engineering (524). Prior to enrolment, candidates must fulfil study obligations corresponding to 20 ECTS credits under the bachelor's programme, a training programme or by taking placement tests. Candidates must fulfil the following obligations: "Basics of Electrical Engineering" (6 ECTS), "Machine Elements" (8 ECTS), "Mechatronics Electronics" (6 ECTS);
3. A bachelor's vocational programme adopted prior to 11 June 2004 in a relevant field: engineering and engineering trades (broad programmes) (520), mechanics and metal work (521), electricity and energy (522), electronics and automation (523), motor vehicles, ships and aircraft (525), physical science (broad programmes) (440), physics (441);
4. A bachelor's vocational programme adopted prior to 11 June 2004 in one of the following fields: mathematics and statistics (46), computing (48), chemical and process engineering (524). Prior to enrolment, candidates must fulfil study obligations corresponding to 20 ECTS credits under the bachelor's programme, a training programme or by taking placement tests. Candidates must fulfil the following obligations: "Basics of Electrical Engineering" (6 ECTS), "Machine Elements" (8 ECTS), "Mechatronics Electronics" (6 ECTS);
5. An undergraduate programme adopted prior to 11 June 2004 in a relevant field: engineering and engineering trades (broad programmes) – mechatronics and industrial engineering – mechanical engineering, industrial engineering – electrical engineering (520), mechanics and metal work (521), electricity and energy (522), electronics and automation (523), motor vehicles, ships and aircraft (525), physical science (broad programmes) (440), physics (441). These candidates are typically 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: mathematics and statistics (46), computing (48), chemical and process engineering (524). These candidates are awarded 30 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: engineering and engineering trades (broad programmes) (520), mechanics and metal work (521), electricity and energy (522), electronics and automation (523), motor vehicles, ships and aircraft (525), physical science (broad programmes) (440), physics (441). These candidates are typically awarded 60 ECTS credits and may enrol in the second year provided they satisfy the transfer criteria laid down in the accredited degree programme;

8. 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: mathematics and statistics (46), computing (48), chemical and process engineering (524). These candidates are awarded 30 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 shall be ranked according to their academic performance under the bachelor's programme:

- grade point average including grade awarded for thesis (100%).

Transfer criteria:

In accordance with the transfer criteria, candidates may transfer to the master's (2nd-cycle) programme "Mechatronics" from programmes in the field of engineering and engineering trades (broad programmes) – mechatronics (520), mechanics and metal work (521), industrial engineering – mechanical engineering (521), electricity and energy (522), industrial engineering – electrical engineering (522), electronics and automation (523), motor vehicles, ships and aircraft (525) provided they lead to the acquisition of comparable competencies and provided that at least half of the 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.

Mode of study: full-time

In the academic year 2018/2018, enrolment in the 1st year will be organized at the Faculty of Electrical Engineering and Computer Science, while enrolment in accordance with the transfer criteria (enrolment in the 2nd year) will take place at the Faculty of Mechanical Engineering.

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