University of Maribor

Faculty of Electrical Engineering
and Computer Science
Faculty of Mechanical Engineering

UNIVERSITY OF MARIBOR
FACULTY OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE
Koroška cesta 46, 2000 Maribor
Website: https://feri.um.si/en

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

THE 2ND-CYCLE INTERDISCIPLINARY STUDY PROGRAMME IN MECHATRONICS

Location: Maribor
Duration: 2 years, 120 ECTS

Access requirements:

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

1. A 1st-cycle (bachelor's) study programme in one of the following fields: mechatronics (0788), mechanics and metal trades (0715), industrial engineering – mechanical engineering (0788), electricity and energy (0713), industrial engineering – electrical engineering (0788), electronics and automation (0714), motor vehicles, ships and aircraft (0716), or physics (0533).
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 20 ECTS credits under the 1st-cycle (bachelor's) study programme, a supplementary study programme, or by taking bridging exams: *Basics of Electrical Engineering* (6 ECTS), *Machine Elements* (8 ECTS), and *Mechatronic's Electronics* (6 ECTS).
3. An undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: mechatronics (0788), mechanics and metal trades (0715), industrial engineering – mechanical engineering (0788), electricity and energy (0713), industrial engineering – electrical engineering (0788), electronics and automation (0714), motor vehicles, ships and aircraft (0716), or physics (0533).
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 20 ECTS credits under the 1st-cycle (bachelor's) study programme, a supplementary study programme, or by taking bridging exams: *Basics of Electrical Engineering* (6 ECTS), *Machine Elements* (8 ECTS), and *Mechatronic's Electronics* (6 ECTS).
5. An undergraduate academic study programme adopted prior to 11 June 2004 in one of the following fields: mechatronics (0788), mechanics and metal trades (0715), industrial engineering – mechanical engineering (0788), electricity and energy (0713), industrial engineering – electrical engineering (0788), electronics and automation (0714), motor vehicles, ships and aircraft (0716), or physics (0533).
   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 one of the following fields: mathematics (0541), statistics (0542), information and communication technologies (ICTs) (061), or chemical engineering and processes (0711).
   Candidates are awarded 30 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: mechatronics (0788), mechanics and metal trades (0715), industrial engineering – mechanical engineering (0788), electricity and energy (0713), industrial engineering – electrical engineering (0788), electronics and automation (0714), motor vehicles, ships and aircraft (0716), or physics (0533).
   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 one of the following fields: mathematics (0541), statistics (0542), information and communication technologies (ICTs) (061), or chemical engineering and processes (0711).
   Candidates are awarded 30 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 enrolment places, candidates shall be ranked according to:
- grade point average including the thesis (100%).

Transfer criteria:

In accordance with the Criteria for Transferring Between Study Programmes, candidates may enrol:
- in the second year of the 2nd-cycle (master's) study programme in *Mechatronics* if they have ceased their studies in the previous study programme in the field of mechatronics (0788), mechanics and metal trades (0715), industrial engineering – mechanical engineering (0788), electricity and energy (0713), industrial engineering – electrical engineering (0788), electronics and automation (0714), or motor vehicles, ships and aircraft (0716) and will continue them under this study programme at the same level.

Candidates may transfer to the study programme provided they fulfil the following criteria:
- criteria for enrolment in the first year of the 2nd-cycle study programme in *Mechatronics*;
- 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 the ECTS credit system of the previous study programme relating to compulsory courses of the new study programme are recognised.

The transfer shall be addressed by the Committee for Academic Affairs of the Faculty of Mechanical Engineering or the Committee for Academic Affairs of the Faculty of Electrical Engineering and Computer Science. In accordance with the Rules on the Recognition of Knowledge and Skills in Study Programmes of the University of Maribor, the candidate shall submit to the faculty:
- an application for the recognition of knowledge and skills at the University of Maribor;
- proof of fulfilled study obligations (exams) including grades and ECTS credits;
- validated course syllabi according to which knowledge was acquired;
- a receipt of payment for the recognition procedure.

If under the recognition procedure enough fulfilled study obligations is recognized that the candidate meets the criteria for enrolment in the second year of the 2nd-cycle (master's) study programme in *Mechatronics*, enrolment in the second year is approved and study obligations required for completion of the new study programme are laid down.

Mode of study: full-time

In the 2026/2027 academic year, enrolment in the first year of study shall be organized at the Faculty of Electrical Engineering and Computer Science, while enrolment in accordance with the transfer criteria (enrolment in the second year of study) shall take place at the Faculty of Mechanical Engineering.

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