We propel the future.
A mechanical engineer solves the challenges of the future with his/her own ideas!

"I chose to study mechanical engineering because I wanted to study something technical. Something, where you end up with a product that you can put your hands on.” Dr. Špela Bolka, candidate for Engineer of the Year 2020
New generation 
industry and mobility

**INDUSTRIAL REVOLUTION 4.0**
the Internet of Things, wireless information, vast amounts of data, supercomputers, nano technologies, 3D printing, logistics, mechatronics, photonics, robotics

**MOBILITY**
electric motors - instead of ICE, power transmissions, actuators (polymers), light weight, energy sources, batteries
The future of the environment and people is in our hands

**ENVIRONMENTAL TECHNOLOGIES**
- low energy processes, renewable energy sources,
- low friction, longer service life, less wear,
- biodegradable lubricants
- modern construction materials, less maintenance,

**DEMOGRAPHIC AGEING**
- therapeutic aids, implants for joints, heart, teeth,
- laser therapies and procedures...
We open the doors to the best:

During studying we offer you the chance and opportunity to **gain experience** and to **build a career in Slovenia or abroad**.
Regular faculty programmes

1st Cycle Professional/Academic Study Programme
180 ECTS 3 years

2nd Cycle Master Study Programme
120 ECTS 2 years

3rd Cycle Doctoral Study Programme
240 ECTS 4 years

Accredited study programme.
Regular faculty programmes

1st Cycle Academic Study Programme in Mechanical Engineering - Research and Development Programme

- Duration: 6 semesters (3 years)
- Single programme (no specified field of study)
- Higher education university degree (first Bologna cycle)

Graduates develop the ability to critically analyse, synthesise, and exercise professional engineering responsibility.

- Graduates can continue to study on the 2nd cycle Master Study Programme.

- More info and detailed program description: https://www.fs.uni-lj.si/en/educational_process/first_degree_rrp/program_information/
Admission to the First cycle academic study programme in Mechanical Engineering - Research and Development Programme is open to either:

- **A) Holders of the matura certificate.**

- **B) Holders of the vocational matura certificate obtained in one of the four-year high school programs** (Mechanical Engineer Technician, Automotive Service Technician, Electrical Engineer, Civil Engineer Technician, Chemical Engineer Technician, Marine Engineering Technician, Metallurgy Technician, Mechatronics Technician, Computer Technician, Wood Technician, Communication Electronics Technician) and **general matura examination from the subject Mathematics.** The candidate may not choose Mathematics at the vocational matura.

- **C) Holders of the final examination certificate obtained in any of the four-year high school programs prior to 1 June 1995.**
Selection criteria in case of restricted enrollment

- **the applicants referred to in point (a)** will be selected based on the following criteria:
  - overall achievement in the general matura: 30% of points,
  - overall achievement in the 3rd and 4th years of secondary school: 30% of points,
  - success in the Mathematics at the general matura: 20% of points,
  - success in the Physics or Mechanics at the general matura: 20% of points.

- **for the candidates referred to in point b):**
  - overall achievement in the vocational matura: 30% of points,
  - overall achievement in the 3rd and 4th years of secondary school: 30% of points,
  - success in the Mathematics at the general matura: 20% of points,
  - success in Mechanical Engineering or Automotive Mechatronics or Electrical Engineering or Plant Engineering or Chemistry or Marine Engineering or Metallurgy or Mechatronics or Information Technology or Woodworking or Electronic Communications at the vocational matura: 20% of points.

- **for the candidates referred to in point c):**
  - overall achievement in the final examination: 30% of points,
  - overall achievement in the 3rd and 4th years of secondary school: 30% of points,
  - success in Mathematics in the final examination or in the 4th year of secondary school if the candidate did not take Mathematics in the final examination: 20% of points,
  - success in Physics, Mechanics or Mechanical Engineering in the final examination or in the 4th year of secondary school if the candidate did not take the subjects in the final examination: 20% of points.
Regular faculty programmes

1st Cycle Professional Study Programme in Mechanical Engineering - Project Oriented Applied Programme

- Duration: 6 semesters (3 years)
- In Year 2, students can choose from a list of different directions: Energy Engineering, Process Engineering, Design of machines and devices, Design of industrial systems, Production technologies, Production Engineering, Airline Transport Pilot, Aircraft Design and Maintenance, and Mechatronics.
- Higher professional education degree (first Bologna level)

Graduates can enroll in the 2nd Cycle Master Study Programme in Mechanical Engineering - Research and Development Programme if they have accumulated minimum of 10 to 15 ECTS.

- More info and detailed program description: https://www.fs.uni-lj.si/en/educational_process/first_degree_pap/program_information/
Admission to the First cycle professional study programme in MECHANICAL ENGINEERING - Project Oriented Applied Programme is open to either:

- **A) Holders of the matura certificate.**

- **B) Holders of the vocational matura certificate obtained in one of the four-year high school programs** (Mechanical Engineer Technician, Automotive Service Technician, Electrical Engineer, Civil Engineer Technician, Chemical Engineer Technician, Marine Engineering Technician, Metallurgy Technician, Mechatronics Technician, Computer Technician, Wood Technician, Communication Electronics Technician).

- **C) Holders of the final examination certificate obtained in any of the four-year high school programs prior to 1 June 1995.**
Selection criteria in case of restricted enrollment

- **the applicants referred to in point (a)** will be selected based on the following criteria:
  - overall achievement in the general matura \(30\%\) of points,
  - overall achievement in the 3rd and 4th years of secondary school \(30\%\) of points,
  - success in the Mathematics at the general matura \(20\%\) of points,
  - success in the Physics or Mechanics at the general matura \(20\%\) of points.

- **for the candidates referred to in point b):**
  - overall achievement in the vocational matura \(30\%\) of points,
  - overall achievement in the 3rd and 4th years of secondary school \(30\%\) of points,
  - success in the Mathematics at the vocation matura \(20\%\) of points.
  - success in Mechanical Engineering or Automotive Mechatronics or Electrical Engineering or Plant Engineering or Chemistry or Marine Engineering or Metallurgy or Mechatronics or Information Technology or Woodworking or Electronic Communications at the vocational matura \(20\%\) of points.

- **for the candidates referred to in point c):**
  - overall achievement in the final examination \(30\%\) of points,
  - overall achievement in the 3rd and 4th years of secondary school \(30\%\) of points,
  - success in Mathematics in the final examination or in the 4th year of secondary school if the candidate did not take Mathematics in the final examination \(20\%\) of points,
  - success in Physics, Mechanics or Mechanical Engineering in the final examination or in the 4th year of secondary school if the candidate did not take the subjects in the final examination \(20\%\) of points.
Application enrolment and deadlines


- **Citizens of EU Member States and Slovenians without Slovenian citizenship:**
  - 18 March 2022 (deadline for electronic application)
  - 1 August 2022 (deadline for submitting all supporting documents of applicants who will be completing their secondary education this year)

- **Citizens of non-EU countries:**
  - 20 April 2022 (deadline for electronic application)
  - 1 August 2022 (deadline for submitting all supporting documents of applicants who will be completing their secondary education this year)
Recognition of Foreign Secondary Education

Candidates with foreign qualifications apply for recognition together with applying for studies, on the same application form accessible on the eVŠ portal. The procedure is conducted by the authorized person at the university to which the candidate applied as their first choice.

- more information: [https://www.uni-lj.si/study/information/recognition-of-foreign-secondary-education](https://www.uni-lj.si/study/information/recognition-of-foreign-secondary-education)
- counselling at the University of Ljubljana: [recognition@uni-lj.si](mailto:recognition@uni-lj.si) and [admission@uni-lj.si](mailto:admission@uni-lj.si)
Regular faculty programmes

2nd Cycle Master Study Programme in Mechanical Engineering - Research and Development Programme

• Duration: 4 semesters (2 years)

• Students can choose from a list of different directions: Engineering design, Mechanics, Energy engineering, Process engineering, Production engineering, Mechatronics and laser technology

Graduates of 2nd cycle are educated from area of technics and science to equip them in to experts who will be able effectively and creatively solve complex research and development problems and project application tasks in the area of a wide range of Mechanical engineering and will be capable to link interdisciplinary.

• More info and detailed program description: [https://www.fs.uni-lj.si/en/educational_process/2nd_cycle_master_study_programme/master_study_programme_mechanical_engineering/program_information/](https://www.fs.uni-lj.si/en/educational_process/2nd_cycle_master_study_programme/master_study_programme_mechanical_engineering/program_information/)
Admission requirements

2nd Cycle Master's Study Programme in MECHANICAL ENGINEERING - Research and Development Programme can be entered by anyone who has completed the following:

- a study programme at the 1st cycle evaluated with at least 180 credit points ECTS in the field of Mechanical Engineering in Development Research, or an equivalent study programme acquired through previous regulations in the Republic of Slovenia or abroad;
- a study programme at the 1st cycle evaluated with at least 180 credit points ECTS in the field of Mechanical Engineering in Project Application, or an equivalent study programme acquired through previous regulations in the Republic of Slovenia or abroad, if the candidate has completed the study obligations necessary for the continuation of their study in the amount of 10 to 15 credit points ECTS before enrolment;
- a study programme at the 1st cycle evaluated with at least 180 credit points ECTS in other fields of expertise, or an equivalent study programme acquired through previous regulations in the Republic of Slovenia or abroad, if the candidate has completed all study obligations necessary for the continuation of their study. These obligations are determined by the Commission for registration and may vary from 10 to no more than 60 credit points ECTS, depending on the difference of the area of expertise.
Selection criteria in case of restricted enrollment

Candidate’s success in 1st cycle study will be taken into account:

- average grade and diploma thesis grade;

- only the average grade (if the 1st cycle study programme did not include a diploma thesis).
Call for enrolment into Master degree programmes of the University of Ljubljana for the 2022/2023 academic year will be published presumably in February 2022 on UL website: https://www.uni-lj.si/study/news/call-enrolment.


- **Deadline for electronic application and for submitting all supporting documents:**
  - 1 September 2022
Application enrolment and deadlines

Before applying, please revise the requirements on bridging exams that should be completed by 2 September 2022 at the latest!

Documentation for revision at FME:

- transcript of records and official syllabuses of listed subjects (in English);
- full curriculum of study programme (in English) confirmed by its university in evidence of content and duration of education (only in case of uncompleted study programme).

Contact person at FME: Valentina Hajdinjak, valentina.hajdinjak@fs.uni-lj.si, +386 1 47717 99
Recognition of Foreign Education

Documentation for recognition of foreign education:

- scan of the Bachelor diploma (I. cycle – BSc);
- scan of the Bachelor's diploma supplement, transcript of records or other relevant document in evidence of content and duration of education (I. cycle);
- chronological description of the completed education (prepared and signed by the candidate);
- scan of identity document (personal ID or passport).

Contact person for FME: Valentina Hajdinjak, valentina.hajdinjak@fs.uni-lj.si, +386 1 47717 99
**Year Plus**

Module for international students in their first regular study year at the University of Ljubljana (bachelor or master degree programmes):

- Slovene as a foreign language 1 (3 ECTS credit points)
- Slovene as a foreign language 2 (3 ECTS credit points)

Enrolment in September 2022 after acceptance and entry to the bachelor or master degree programme at the University of Ljubljana!

- **More information:** [https://www.uni-lj.si/study/year-plus/](https://www.uni-lj.si/study/year-plus/)
- **Contact person:** Daniela Preglau, [Letoplus@uni-lj.si](mailto:Letoplus@uni-lj.si), +386 1 241 1040

One year extension of student status possible during the first study year at the University of Ljubljana when meeting certain requirements:

- **30 ECTS credit points** (at least 6 ECTS credit points are from Slovenian language 1 and 2 and 24 ECTS credit points of enrolled study programme)
Regular faculty programmes

3rd Cycle Doctoral Study Programme in Mechanical Engineering

- Duration: 8 semesters (4 years)

- Students can choose from a list of different directions:
  - Machine Design and Mechanics Engineering Science;
  - Energetical, Process and Environmental Engineering Sciences;
  - Production Engineering Sciences, Cybernetics and Mechatronics.

Graduates of 3rd cycle are educated for independent scientific and research work in mechanical engineering sciences. The program is entirely based by the principle of choosing options where the students, with the assistance of their research mentor, create their own research path. Therefore they can follow the needs of future employers to be integrated later, when finishing the program.

- More info and detailed program description: https://www.fs.uni-lj.si/en/educational_process/third_degree/doctoral_programme_in_mechanical_engineering/program_information/
Admission requirements

3rd Cycle Doctoral Study Programme in MECHANICAL ENGINEERING can be entered by anyone who has completed the following:

- second cycle study programme;
- study programme to obtain a university education, accepted before 11 June 2004;
- study program to obtain a specialisation in science and technology, who have completed a higher professional study programme. To equalise the entry knowledge of candidates before enrolment in doctoral studies, the UL FME Committee for Doctoral Studies determines additional obligations amounting to 30 ECTS credits depending on the intended area of Doctoral study programme;
- study programme to obtain a Master of science degree. Graduates of previous Master's degree programmes are awarded study obligations amounting to 60 ECTS in the Doctoral study programme;
- a degree programme educating for professions regulated by EU directives, or another standardised Master's degree programme worth 300 ECTS.
Application enrolment and deadlines

Call for enrolment into Doctoral degree programmes of the University of Ljubljana for the 2022/2023 academic year will be published presumably in February 2022 on UL website: https://www.uni-lj.si/study/news/call-enrolment.

- deadline for electronic application and for submitting all supporting documents: 1 September 2022
List of attachments for application:

- CV (with a description of work experience in the selected field of study);
- bibliography (from Cobiss if the candidate is registered) – not required;
- signed statement by the mentor (statement form and list of potential mentors is available on FME website);
- short conceptual design of the research work;
- documentation for recognition of foreign education.
Recognition of Foreign Education

Documentation for recognition of foreign education:

- scan of the Master diploma (II. cycle – MSc);
- scan of the Bachelor diploma (I. cycle – BSc);
- scan of the Master's diploma supplement, transcript of records or other relevant document in evidence of content and duration of education (II. cycle);
- scan of the Bachelor's diploma supplement, transcript of records or other relevant document in evidence of content and duration of education (I. cycle);
- chronological description of completed education (prepared and signed by the candidate);
- scan of identity document (personal ID or passport).

Contact person for FME: Valentina Hajdinjak, valentina.hajdinjak@fs.uni-lj.si, +386 1 47717 99
tutors, demonstrators, assistants, professors → success!
Students’ projects

Formula student

Design/Build/Fly competition in USA
In our free time we create friendships and memories.

- Opportunity Fair (socializing with companies)
- Public speaking workshop, business etiquette,…
- Career development consulting
- Sport - ski school, hiking, sailing,…
- Student technical conference - entering the world of scientific research
- Students will be happy to let you in on the fun and parties.😊
A great career starts with the right decision where to study

- Solving challenges from mechanical engineering = society
- Team work
- Good mentors
- In contact with the industry

100 % Graduate Employability
Additional info

- You can visit our page for more info: https://www.fs.uni-lj.si/en/

- You can follow us on:

  FB - @UL_Fakulteta.za_strojnistvo

  Twitter - @FSLjubljana

  LinkedIn - @University of Ljubljana, Faculty of Mechanical Engineering

  Instagram - @ul_fakulteta.za_strojnistvo