CONTACT

University of Žilina
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e-mail: dsjf@stroj.uniza.sk
http://fstroj.uniza.sk

All the questions concerning your studies will be attended at the Department of Studies:
Tel.: 041/513 25 07, 25 08
e-mail: studref@fstroj.uniza.sk

Coordinator for work with students with special needs:
Mgr. Branislav Ftorek, PhD.
tel.: 041/513 25 19, 49 62
e-mail: branislav.ftorek@fstroj.uniza.sk

ACCREDITED STUDY PROGRAMMES OFFERED FOR THE ACADEMIC YEAR 2019/2020

<table>
<thead>
<tr>
<th>BACHELOR’S DEGREE STUDY PROGRAMMES</th>
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<tbody>
<tr>
<td>FULL-TIME STUDY</td>
</tr>
<tr>
<td>LENGTH OF STUDY 3 YEARS</td>
</tr>
<tr>
<td>PART-TIME STUDY *</td>
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<tr>
<td>LENGTH OF STUDY 4 YEARS</td>
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<tr>
<td>Computer Design and Simulation</td>
</tr>
<tr>
<td>Mechanical Engineering Technologies</td>
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<tr>
<td>Energy and Environmental Technology</td>
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<tr>
<td>Industrial Engineering</td>
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<tr>
<td>Vehicles and Engines</td>
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<tr>
<td>Materials and Technologies in Automobile</td>
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<tr>
<td>Production</td>
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</tbody>
</table>

* Standard tuition fee for part-time study programmes is 500 € for an academic year

Detailed information on particular study programmes
• Syllabus,
• course information sheets
can be found at http://vzdelavanie.uniza.sk/vzdelavanie/plany.php.
EXPECTED NUMBER OF ACCEPTED APPLICANTS TO THE FIRST YEAR

<table>
<thead>
<tr>
<th>STUDY PROGRAM / FIELD OF STUDY</th>
<th>PLANNED CAPACITY</th>
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<tbody>
<tr>
<td></td>
<td>FULL-TIME</td>
</tr>
<tr>
<td>Computer Design and Simulation / Mechanical Engineering</td>
<td>55</td>
</tr>
<tr>
<td>Mechanical Engineering Technologies / Mechanical Engineering</td>
<td>85</td>
</tr>
<tr>
<td>Energy and Environmental Technology / Energy Machines and Equipment</td>
<td>40</td>
</tr>
<tr>
<td>Industrial Engineering / Industrial Engineering</td>
<td>70</td>
</tr>
<tr>
<td>Vehicles and Engines / Motor Vehicles, Rail Vehicles, Ships, Aircraft</td>
<td>75</td>
</tr>
<tr>
<td>Materials and Technologies in Automobile Production / Mechanical Engineering</td>
<td>25</td>
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<tr>
<td>Mechanical Engineering / Mechanical Engineering</td>
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<tr>
<td>TOTAL NUMBER</td>
<td>350</td>
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TERMS AND CONDITIONS OF ADMISSION

The fundamental prerequisite of being accepted to the bachelor’s degree study programme (first degree) is the full completion of secondary education or full secondary vocational education (Higher Education Act, n.131/2002 Coll.). In the case of a foreign applicant or student who has completed a secondary education abroad, the education is comparable with an education completed by a school leaving examination in the Slovak Republic. Applicant who has obtained a secondary education abroad will submit along with the application form or more precisely no later than the date of enrolment a document on completion of secondary education recognized by a relevant institution in the Slovak Republic.

Procedure for recognition of document on education

On the basis of submitted application, the document is recognised by a district office in the Slovak Republic after comparing the scope and content of education received with the scope and content of education required by the National Education Programme in the Slovak Republic.

In the case of recognition of document on education of a minor, the application shall be submitted by his/her legal representative.

The application form for the recognition of document can be found on the UNIZA website (English version) in the STUDY section.

List of enclosures to be submitted along with the application form:

a) the authenticity of signatures and of the school's stamp mark on the document on completion of education must be certified by a relevant body (applicants for study abroad should arrange this immediately after receiving the document – before traveling to the Slovak Republic),
b) a certified copy of the document on completion of education,
c) a certified translation of the document into the official language of the Slovak Republic,
d) a list of subjects and examinations completed,
e) a certified translation of the list into the official language of the Slovak Republic,
f) a copy of proof of identity,
g) a proof of payment of administration fee.

Language competence – for study programmes that are carried out by the faculty in the Slovak language, written and oral command of Slovak or Czech language is required. Knowledge of at least one foreign language (English, German, French) is welcome. For study programmes that are carried out by the faculty in the English language, written and oral command of English is required. The applicants who do not actively speak Slovak or Czech are required to attend the language training. It is possible to attend the Slovak language courses at UNIZA. For more information, please contact the Institute of Lifelong Learning UNIZA http://www.ucv.uniza.sk/ucv/?ur1=19&ur2=192&ur3=0

- The basic and other terms and conditions of admission are applicable as for the applicants from abroad as for the applicants from Slovakia.
- Foreign students who study in a foreign language (i.e. not Slovak), pay the tuition fee as stated in § 92 Subsection 8 (Higher Education Act). The tuition fee is specified by the UNIZA directive for the respective academic year, which can be found on the university website. For the academic year 2019/20 the tuition fee is 3500 €.
• Students from abroad who study in the Slovak language do not have to pay the tuition fee.
• The applicants from the Czech Republic who want to apply and study in Žilina can use the application form available in the Czech Republic. The applicants who do not actively speak Slovak or Czech are required to attend the language training. (It is possible to attend the Slovak language courses at UNIZA).
• For foreign applicants who were accepted on the basis of intergovernmental agreements, bilateral agreements or Slovak government grants, terms and conditions stated in respective documents are applicable.

**FORMS OF ADMISSION**

1. **No entrance exams**
   - if the number of applicants for study does not exceed the planned capacity for admission and the candidates meet the legal conditions for higher education.

2. **Selection Procedure**
   - the selection procedure will only be applied if the number of candidates for study is higher than the planned number for admission,
   - provided that the applicants supply all the required mandatory annexes to the application form, the selection procedure will take place without the personal involvement of the candidates.

   **Rules of Selection Procedure**
   Within the selection procedure, the results achieved during the secondary school study (annual certificates and the school leaving exam certificate) and participation in subject’s competitions (Olympiad) at a regional or higher level will be evaluated, whereas the type of the secondary school will be considered as well. The aim of the selection procedure is to ensure that the candidates with the necessary skills and abilities start to study.

**HOW TO APPLY**

Application forms are to be submitted for individual study programmes. In case the applicant is interested in more study programmes, it is necessary to apply for each one individually, including payment of the respective admission procedure fees.

Applicants have to fill in the form Prihláška na vysokoškolské štúdium – 1. Stupeň or they can also use an electronic application form that can be found on the university website: https://vzdelavanie.uniza.sk/prijimacky/index.php or on the education portal: https://prihlaskav.sk/.

Even in case of electronic application form, it is required to print it, sign it, enclose other required documents including the proof of payment of the fee and send it to the address SjF UNIZA within the stipulated deadlines.
Incomplete study application or application sent after the deadline will not be accepted.
In the absence or failure of entrance exams, the faculty does not refund the admission fee.

If an applicant wants to take part in entrance exams at more faculties of UNIZA, the application forms have to be sent separately to each faculty and the respective admission procedure fees paid separately to each faculty.

Enclosures for the bachelor’s degree programmes (to be sent with application forms):
• Curriculum Vitae,
• proof of payment of the admission fee,
• certified copies of the annual secondary school certificates (if the accuracy of the data is not confirmed by a secondary school on the application form).

After passing the secondary school leaving examination, the applicants will send the copy of the school leaving examination certificate as well as the copy of the last annual secondary school certificate. The deadline for sending these documents will be announced to all applicants individually by mail.

**Admission fee:**
Send **20 €** to:

Žilinská univerzita v Žiline, Univerzitná 1, 010 26 Žilina
Bank: Štátna pokladnica
IBAN: SK34 8180 0000 0070 0026 9861
Const. symbol: 0308
variable symbol: 10231 – bakalárske štúdium
Payment method: the payment can be paid by bank transfer or postal order to the account above.
Proof of payment: the proof of payment is to be sent to the Faculty with the application form.

Tuition fees – in accordance with the Higher Education Act, information about the amount of tuition for the respective academic year will be announced on the website of the University of Žilina.

With payment of the admission fee from the EU member states, the EES countries, territories that are considered a part of the EU (Treaty of Rome, Section 299) and SEPA countries, it is necessary to use BIC: **SPRSKBAXXX**, IBAN: **SK34 8180 0000 0070 0026 9861**.

### USEFUL DATES

<table>
<thead>
<tr>
<th>Open Day</th>
<th>Deadline for submitting the application form</th>
<th>Entrance exams</th>
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<tbody>
<tr>
<td>November, 21, 2018</td>
<td>until April, 30, 2019</td>
<td>June, 14, 2019</td>
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<tr>
<td>January, 29, 2019</td>
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### ACCOMMODATION

All the students of the first year of the bachelor degree studies are entitled to accommodation in accordance with the internal regulations of the university. **Student accommodation facilities cost approx: 70 € – 140 € per month.**

### BOARD

Students can use services of catering facilities at the University of Žilina. **Price for food: 9 € per day.**

### SCHOLARSHIPS

There is a possibility for continuing bachelor’s degree studies within follow-up master’s degree study programs at the Faculty of Mechanical Engineering UNIZA in the academic year 2019/2020 – Automated Production Systems, Machining and Bearing Production, Computer Aided Design and Simulations in Mechanical Engineering, Mechanical Engineering Technologies, Industrial Materials, Machines and Equipment Design, Industrial Engineering and Management, Environment(al) Technique / Technology, Transport Means Maintenance, Vehicles and Engines, Mechanical Engineering (respective information about particular study programs is available at the university website).

### FOLLOW-UP STUDIES AFTER COMPLETION OF BACHELOR’S DEGREE STUDIES

There is a possibility for continuing bachelor’s degree studies within follow-up master’s degree study programs at the Faculty of Mechanical Engineering UNIZA in the academic year 2018/2019 – Automated Production Systems, Machining and Bearing Production, Computer Aided Design and Simulations in Mechanical Engineering, Mechanical Engineering Technologies, Industrial Materials, Machines and Equipment Design, Industrial Engineering and Management, Environment(al) Technique / Technology, Transport Means Maintenance, Vehicles and Engines, Mechanical Engineering (respective information about particular study programs is available at the university website).
COMPUTER DESIGN AND SIMULATION  
(Field of study 5.2.1 Mechanical Engineering)  
The graduates in the study programme Computer Design and Simulation obtain in the first part of their professional education knowledge of theoretical subjects such as Mathematics, Physics, Fluid Mechanics, Thermodynamics and Strength and Strain which along with the Rigid Body Mechanics and design and technology-related subjects constitute theoretical and practical basis for the study of the particular study program. Building on this basis the graduates in the second part of professional education acquire knowledge of applied sciences focused mainly on modelling, calculations, construction, operation and maintenance of technical facilities. The students can on the basis of optional subjects aim at all areas of technical sciences. In addition, the graduates are able to handle routine work with modern CAD systems for construction and modelling support, as well as systems for calculating, analyse, and simulation of parts of technical systems and mechanisms in dynamic and FEM analyses. The students can demonstrate their expertise when solving semester and final projects. The study programme ends with the final state examination and thesis defence. During their study, the students receive theoretical and methodological basis and professional and practical experience and skills that are necessary for solving a wide range of issues related to the design, engineering, construction and operation of various machinery and equipment. The graduates are employable in the areas of proposing, design, construction, operation and maintenance of technical systems.

MECHANICAL ENGINEERING TECHNOLOGIES  
(Field of study 5.2.1 Mechanical Engineering)  
The professional profile of the Mechanical Engineering Technologies study programme graduates is characterised by theoretical but mainly practical knowledge of construction and engineering technologies, production facilities, quality, economics and production control and by abilities and capabilities of the skilful application of the acquired knowledge in practice. The graduates receive theoretical but mainly practical knowledge of the most widespread technologies in mechanical engineering production and its control as well as in the field of automation of mechanical engineering. The graduates acquire habits and skills in construction, design and technological activities and in application of modern technological tools. The graduates also have basic knowledge in the field of production, testing, technological processing, selection, exploitation and degradation of properties of the main types of technical materials. They are able to operate mainly in industrial businesses: in the field of technical material production, their technological processing to semi-finished goods and products as well as in quality control and assurance, in purchase, sale, service and maintenance. The graduates are qualified to work in industrial mechanical engineering companies operating in railway and public transport, in all areas of engineering and in other organisations of administrative, production, operating or repair character. The graduates have adequate knowledge in the field of electronics, mechatronics, robotics, drives, as well as in the field of computer-aided engineering and manufacturing. They feature sufficient practical experience and skills in laboratory work, they master professional terminology in a foreign language, and they are able to apply the basics of economic methods necessary for the operation of existing systems.

ENERGY AND ENVIRONMENTAL TECHNOLOGY  
(Field of study 5.2.6 Energy Machines and Equipment)  
The graduates during their study obtain basic knowledge especially in the areas of technical and scientific disciplines and knowledge of the theory of fluid mechanics, thermodynamics, heat and material transfer which together with the rigid body mechanics create an essential theoretical basis of energy technology. The study focuses primarily on the study of energy sources, distribution networks of energy utilities, further the design and construction of all types of machines that manufacture, produce and transform energy as well as their support facilities. It also aims at facilities for the utilisation of alternative energy sources and equipment for energetic waste recovery that on the whole correspond with the study program structure and content of individual subjects. The graduates of the Energy and Environmental Technology study programme with the acquired knowledge of the structure and operation of power machinery and equipment, legislation, ecology, ergonomics, economics, enterprise and management are able to work in all spheres of the national economy and are qualified to operate energy and environmental equipment, maintain them in working order and perform simple construction and design changes.

INDUSTRIAL ENGINEERING  
(Field of study 5.2.52 Industrial Engineering)  
During the study the undergraduates gain knowledge mainly in the field of technical and natural sciences, company management, production and information technologies, company logistics, organisation of support and service operations
and their economic dependence. During the study they are focused on organisation and management of processes at the level of basic production units (workshops, production plants), which corresponds with the structure of the study programme and the contents of the individual subjects. The graduates in the bachelor's study programme receive theoretical knowledge necessary for efficient control of production units and their processes. During the study the graduates become proficient users of software applications and they are able to apply basic methods of industrial engineering in practice. The Industrial Engineering and Management bachelor's study programme graduates are employable as managerial and coordination staff mainly in basic production units and in departments in industrial engineering, further in selected departments of middle management level of industrial companies. They are prepared to work as technicians of quality and/or productivity, co-designers of production systems, production managers, employees in technical preparation of production, industrial engineers, employees of the production planning and control departments, logistics departments, quality management departments, maintenance departments and human resources departments, etc.

VEHICLES AND ENGINES  
(Field of study 5.2.4 Motor Vehicles, Rail Vehicles, Ships, Aircraft)  
The graduates in the bachelor's study programme Vehicles and Engines in the field of study 5.2.4 Motor Vehicles, Rail Vehicles, Ships and Aircrafts are able to analyse problems and opportunities that occur in different practical areas related to the field of transport means and their important subsystems. The graduates gain basic knowledge in the subjects of general technical education, they have a general overview of mechanical engineering production and its management, professional knowledge in the field of transport means, combustion engines, hydraulic and pneumatic machines and equipment, knowledge of quality assessment and testing of transport means and knowledge regarding methods of compliance with legislative requirements imposed on the production and operation of transport means and their subsystems. The graduates are able to design and to provide construction solutions of the transport means parts and their subsystems also using modern computer-assisted technologies. They are able to find work in the operation of transport means, mainly of road vehicles, rail vehicles, combustion engines, hydraulic and pneumatic machines and equipment, by their diagnostics, maintenance and repairs. The graduates meet conditions for further education in the master's degree studies, especially in the study programmes Vehicles and Engines and Vehicle Maintenance.

MATERIALS AND TECHNOLOGIES IN AUTOMOBILE PRODUCTION  
(Field of study 5.2.1 Mechanical Engineering)  
The graduates in the program Materials and Technologies in Automobile Production master the basics of Physics, Applied Mathematics, Mechanics and Material Science and are able to solve construction and technological problems of implementation of machinery and systems; they have knowledge of methods of designing individual components and complete equipment, manufacturing technologies, operation and maintenance of machinery with an emphasis on automobile production. They have basic knowledge of chemical composition, structure and properties of engineering materials and technologies for their production and processing; they are able to solve problems related to the preparation of production, application of materials and are qualified in the field of material quality control. The graduates are able to assess the quality of work and products; and they are prepared to work as line managers in all of the above mentioned areas. The graduates in the study programme Materials and Technologies in Automobile Production are able to work as developers, technologists and workers in the automotive service but also in other sectors of industry, in public as well as in a private sector.

MECHANICAL ENGINEERING  
(Field of study 5.2.1 Mechanical Engineering)  
The professional profile of the Mechanical Engineering study programme graduates is characterised by theoretical but mainly practical knowledge of construction and engineering technologies, production facilities and automation, quality of mechanical production, economics and production control and by abilities and capabilities of the skilful application of the acquired knowledge in practice. The graduates receive theoretical but mainly practical knowledge of the most widespread technologies in mechanical engineering production and in the field of automation of mechanical engineering. The graduates acquire habits and skills in construction, design and technological activities and in application of modern technological tools. The graduates also have basic knowledge in the field of production, testing, technological processing, selection, exploitation and degradation of properties of the main types of technical materials. They are able to operate mainly in industrial businesses: in the field of technical material production, their technological processing to semi-finished goods and products as well as in quality control and assurance, in purchase, sale, service and maintenance. The graduates are qualified to work in operation of industrial mechanical engineering companies, in railway and public transport, in all areas of mechanical engineering and in other organisations of administrative, production, operating or repair character. The graduates have adequate knowledge in the field of electronics, mechatronics, robotics, drives, as well as in the field of computer-aided mechanical engineering manufacturing. They feature sufficient practical experience and skills in laboratory work, they master professional terminology in a foreign language, and they are able to apply the basics of economic methods necessary for operation of the existing systems.