

## Application & Enrollment

### Enrolment?

Enrolment into the undergraduate programmes at the Faculty of Industrial Engineering Novo mesto is published each year by 1 February for the next academic year. Candidates apply for enrolment into the undergraduate programmes in accordance with the deadlines and the method specified in the Call for Enrolment at the National Enrolment Web Portal (eVŠ).

### How do I enroll/apply?

Complete the enrolment form available at the National Enrolment Web Portal. To access the portal, you may either use a digital certificate or enter a username and password. If you use a username and password, you will need to print and sign the enrolment form and send it by registered post to the following address:

**Faculty of Industrial Engineering Novo mesto**  
**Segova ulica 112, 8000 Novo mesto**

You will then receive a written reply regarding the status of your application and/or a date to enroll by.

### What do I need to be aware of as an international student?

As an international student, you will need to submit extra paperwork. Please visit our English website: [www.fini-unm.si](http://www.fini-unm.si) for more information or contact the Student Affairs Office.

### What if I would like to come as an Erasmus student?

You can apply to the Faculty of Industrial Engineering Novo mesto as an exchange student if your home institution is a partner institute of the Faculty of Industrial Engineering in Novo mesto. Please visit our English website ([www.fini-unm.si](http://www.fini-unm.si)) for more detailed information.

## Programme types

- **F-2-F studies** is carried out all working days in the afternoons or on Saturdays in the morning.
- **Distance learning** is perfect for students who need more flexibility when studying due to busy schedules. You can acquire information and study materials anytime, anywhere, and at anytime and are provided with support by teachers, mentors, and administrative personnel.

## Studying the international way



Erasmus+

The Faculty of Industrial Engineering is an ERASMUS+ member and was awarded

the ERASMUS Charter for Higher Education 2014-2020 (ECHE). As Erasmus+ Higher Education Charter holders, we have successfully completed both student and teaching mobilities. This means that we are committed to respecting the principles and policies of the European Commission and promoting the international dimension of education. The ERASMUS+ programmes are a key device for internationalization. We administer the Erasmus+ programme at the Bachelor level for students as well as Staff & Teaching Mobility. We also administer further mobility programmes, such as general incoming students (those who are non-Erasmus+), general teaching mobility for faculty members of partner universities, Global Partnership in Education etc.

## Faculty of Industrial Engineering Novo mesto

Faculty of Industrial Engineering Novo mesto is an institution of regional and national importance in the field of product and technologies development, quality, engineering work in all industry fields with the emphasis on automobile industry. It is an important partner of business. It is an institution that follows and implements scientific research work and takes care of efficient knowledge transfer in accordance with the Bologna Declaration. By implementing accredited study programmes it ensures acquiring knowledge for the future (new technologies, artificial intelligence, computer-aided production, concurrent engineering, re-engineering and innovations, overall quality and business excellence), the use of information technologies in education, the use of modern laboratories for materials, technology, motor vehicles and informatics, modern literature and international cooperation with related institutions worldwide.

## Key advantages of studying at the Faculty of Industrial Engineering Novo mesto?

- The study programme is in accordance with the Bologna Declaration and is internationally comparable with study programmes of high-quality faculties in the European Union countries
- The study programme includes innovative educational methods with appropriate proportion of theoretical and practical knowledge
- The study ensures graduates high possibilities of employment and further development and advancement
- Higher-education professors are acknowledged experts with practical and pedagogic experiences
- As a part of international cooperation the faculty encourages student, professor and staff mobility in the programmes of international exchange and enables participation in international projects
- The study process is carried out in accordance with domestic and foreign quality standards

- Tuition fee can be paid in ten instalments or in one amount with 5% discount

## Employment Opportunities for FINI Graduates

Our slogan is: FINI Graduates Present Developmental Potential to Society

Employers look for professional staff having technical, technological, and multidisciplinary knowledge applicable to different areas.

FINI follows market needs, economic development, and economic competitiveness. FINI study programmes contain all areas where technology development and its use in industry is encouraged: energy-efficiency technology including energy saving, renewable energy resources technology, material efficiency technology, permanent mobility technology, nanotechnology, microelectronics, and nanoelectronics, vehicle technology, advanced materials, advanced production and process technologies.

Slovene companies work on wider European and world markets. There are many foreign companies working in Slovenia. The strategic European and Slovene documents define an increased need for knowledge included in FINI study programmes.

## We look forward to welcoming you to Novo mesto!

FINI Graduates are the Development Potential of Society

### Faculty of Industrial Engineering Novo mesto

Segova ulica 112  
SI-8000 Novo mesto, Slovenia  
Tel: +386 (0)7 39 32 206

E-mail: [fini-unm@guest.arnes.si](mailto:fini-unm@guest.arnes.si)  
Website: <http://www.fini-unm.si>

[fini.unm](https://www.facebook.com/fini.unm)

Faculty of Industrial Engineering

@fininm

Instagram@fininm



Fakulteta za  
industrijski inženiring  
Faculty of Industrial Engineering



Fakulteta za  
industrijski inženiring  
Faculty of Industrial Engineering

# Engineering & Vehicles

## Professional and Academic Studies

Bachelor's of Applied Sciences  
in Mechanical Engineering

Face-to-Face  
Distance Learning



# Professional Study Programme ENGINEERING & VEHICLES 1<sup>ST</sup> CYCLE

YEAR 1				
Courses	L	S	LW	ECTS
Mathematics with Applications I	45	60	-	7
Engineering Mechanics	45	45	-	6
Chemistry	45	5	25	5
Information and Communication Technology	45	5	40	6
English for Specific Purposes I	30	30	-	4
Physics for Engineers	30	15	15	6
Electrical Engineering and Electronics	45	20	10	5
Mathematics with Applications II	30	45	-	5
Materials	45	20	10	5
Technical Documentation and Machine Elements	40	30	30	7
Methodology of Project Work	30	30	-	4
YEAR 2				
Technology	60	30	15	7
Mechatronics I	60	30	15	7
Technological Processes in the Automotive Industry	45	30	15	6
Business Communication and Relationships	45	30	-	5
Economics of Organizations	45	30	-	5
Automobilism	60	15	30	7
Labour Safety	45	30	-	6
Engineering Vibrations	45	30	15	6
Elective I	45	*	*	6
Elective II	45	*	*	6
YEAR 3				
Total Quality Management and Business Excellence	45	45	-	6
Module Course 1	60	15	30	7
Module Course 2	45	15	30	6
Module Course 3	60	15	30	7
Ecology and Renewable Sources	45	15	-	4
Professional Practical Training	-	-	-	20
Diploma Thesis	-	-	-	10

ELECTIVE MODULES				
MODULE I: Development of Processes in the Automotive Industry				
Product & Process Development in the Automotive Industry	60	15	30	7
Concurrent Engineering	45	15	30	6
Reengineering and Innovations	60	15	30	7
MODULE II: Technologies and Production in the Automobile Industry				
Computer-Aided Engineering	60	15	30	7
Production Management	45	15	30	6
Reengineering and Innovations	60	15	30	7
MODULE III: Maintenance of Production Equipment and Systems				
Computer-Aided Engineering	60	15	30	7
Measurement and Measuring Tools	45	15	30	6
Total Production Maintenance	60	15	30	7
ELECTIVE COURSES				
Logistics	45	45	-	6
Designing Energetic Systems for Residential and Business Facilities	45	15	30	6
Virtual Technologies	45	15	30	6
Commercial and Industrial Property	45	45	-	6
Marketing	45	45	-	6
English for Specific Purposes II	45	45	-	6

## Length of Study

The length of study is 3 years and encompasses 180 ECTS.

## Employment Areas and Competences

The aim of the professional study programme Engineering and Vehicles is to educate graduates who will be able to find employment and be competent to carry out tasks, especially in the field of production, technology, development, overall quality, maintenance, and marketing. Graduates have excellent possibilities for employment and further development and advancement especially with the job market needing professional and specialized employees with technical, technological, and interdisciplinary knowledge.

# University Study Programme ENGINEERING AND VEHICLES

YEAR 1			
Courses	L	S	ECTS
Technical Mathematics I	45	45	6
Mechanics I	60	45	7
Information Systems and Communication Technologies	45	45	6
Engineering and Engineerial Work	45	30	5
English for Specific Purposes	45	45	6
Chemistry	45	45	6
Technical Mathematics II	45	45	6
Physics	45	45	6
Technical Documentation and Machine Elements	60	45	7
Materials	45	30	5
YEAR 2			
Numerical Methods	45	45	6
Mechanics II	45	45	6
Economics of Organizations	45	30	5
Construction	45	45	6
Technologies	60	45	7
Thermodynamics	60	45	7
Total Quality and Business Excellence	45	30	5
Electrical Engineering and Electronics	45	30	5
3D Modelling in Automobile Industry	45	60	7
Elective I	45	45	6
YEAR 3			
Automobilism and Future technologies	45	30	5
Technical Cybernetics	45	30	5
Module Course 1	60	45	7
Module Course 2	60	45	7
Module Course 3	45	45	6
Labour Safety and Environment	30	30	4
Professional Practical Training with Project work	-	-	10
Elective II	45	45	6
Diploma Thesis	15	-	10

ELECTIVE MODULES			
MODULE I: Product Development in the Automotive Industry			
Product Development in the Automotive Industry	60	45	7
Internal Combustion Engines	60	45	7
Concurrent Engineering	45	45	6
MODULE II: Technologies in the Automotive Industry			
Technological Processes in the Automotive Industry	60	45	7
Reengineering and Innovations	60	45	7
Computer-Aided Processes	45	45	6
MODULE III: Virtual engineering and artificial intelligence			
Intelligent Systems	60	45	7
Sensors	60	45	7
Concurrent Engineering	45	45	6
ELECTIVE SUBJECTS			
Automation and Robotics	45	45	6
Designing Energetic Systems for Residential and Business Facilities	45	45	6
Virtual Products	45	45	6
Laser Systems	45	45	6
Metrology and Quality	45	45	6

## Length of Study

The length of study is 3 years and encompasses 180 ECTS.

## Employment Areas and Competences

The fundamental goal of the university study programme Engineering and Vehicles is to educate engineers in the field of production, technology, development, maintenance, and marketing. Graduates gain theoretical and practical knowledge of different technical-engineering fields and of different technical engineering area.