

University of Zagreb



FACULTY OF TRANSPORT AND TRAFFIC SCIENCES



info sheet 20/21





University of Zagreb

FACULTY OF TRANSPORT AND TRAFFIC SCIENCES

Vukelićeva 4
HR-10000 Zagreb, Croatia
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Fax: + 385 1 23 14 415
E-mail: fpz@fpz.unizg.hr

FACTS & FIGURES

DEPARTMENTS: 13
CHAIRS: 28
LABORATORIES: 19
TEACHING STAFF: 122
NON-TEACHING STAFF: 100
STUDENTS: 1546

INSTITUTIONAL PROFILE

Faculty of Transport and Traffic Sciences, established in 1984, is the faculty of the University of Zagreb, and the leading high education as well as scientific and research institution in the field of transport and traffic engineering in Croatia. Faculty staff participates in national, regional and international scientific, research and development projects funded by the national Ministry of Science, Education and Sports, European Commission and international institutions. The Faculty also participates in public and commercial projects solving transport and traffic problems of transportation sectors in Croatia. International cooperation through exchange of academic staff and students presents an important part of academic and research activities.

CAREER PROSPECTS

Transport and traffic engineers generally work in transport services and other related enterprises and public institutions dealing with various transport modes and/or traffic technology, logistics, and management. The job of transport and traffic engineer covers wide range of professional activities, e.g. planning, design, operation, supervision, and maintenance of transport and traffic facilities and processes.

PROGRAMME EMPHASIS

Faculty of Transport and Traffic Sciences offers programmes in Traffic and Transport, Intelligent Transport Systems and Logistics and Aeronautics. Programme of Traffic and Transport involves courses in Road, Railway, Urban, Air, Waterway, Postal, and Information and Communication Transport and Traffic. All the programmes are taught at the three-year undergraduate (180 ECTS) and two-year graduate levels (120 ECTS).

Postgraduate studies provide three-year Doctoral Studies in the field of Transport and Traffic Engineering, as well as one-year Specialist Studies in Urban Transport and Traffic, Inter-modal Transport and Traffic, and Transport Logistics and Management.

RESEARCH ORIENTATION

The research carried out is of a high international standard with the goal of providing modern transport and traffic technology, infrastructure, logistics and intelligent transport systems solutions in road, waterway, postal, information and communication, urban, air and railway transport.



MOBILITY

The Faculty of Transport and Traffic Sciences welcomes incoming students and teachers. The Faculty participates in the following mobility programmes:

- Erasmus+
- CEEPUS
- AESTE

Students who wish to apply for a period of study at the Faculty must be nominated by their universities and must complete the application form available at the [University of Zagreb's webpage](#) or can contact the University International Relations Office at incoming@unizg.hr. The Faculty offers courses in English. A list of courses is available at the [Faculty's International Cooperation website](#). Prior to applying, students should consult their institutional mobility coordinators and ECTS coordinators in order to select courses they will be attending at the Faculty.

Application deadlines:

- 10 May for the winter semester or academic year
- 10 November for the summer semester

INTERNATIONAL COOPERATION OFFICE (FTTS)



Web: <http://www.fpz.unizg.hr/oms/>
E-mail: mobility@fpz.unizg.hr
Ivančica Nikolić, M.Econ.
Phone: +385 1 23 80 260
E-mail: inikolic@fpz.unizg.hr

ERASMUS+ COORDINATOR (FTTS)



Assoc. Prof. Darko Babić, PhD
Phone: +385 1 24 57 972
E-mail: dbabic@fpz.unizg.hr

CEEPUS COORDINATOR (FTTS)



Asst. Prof. Vlatka Stupalo, PhD
Phone: +385 1 24 57 902
E-mail: vstupalo@fpz.unizg.hr

STUDENT INTERNSHIP COORDINATOR (FTTS)



Matija Bračić, PhD
Phone: +385 1 24 57 760
E-mail: mbracic@fpz.unizg.hr

UNIVERSITY OF ZAGREB INTERNATIONAL RELATIONS OFFICE

Web: <http://www.unizg.hr/homepage/international-exchange>

Erasmus coordinator: erasmus.coordinator@unizg.hr

Incoming student mobility: incoming@unizg.hr

Incoming staff mobility: staff@unizg.hr

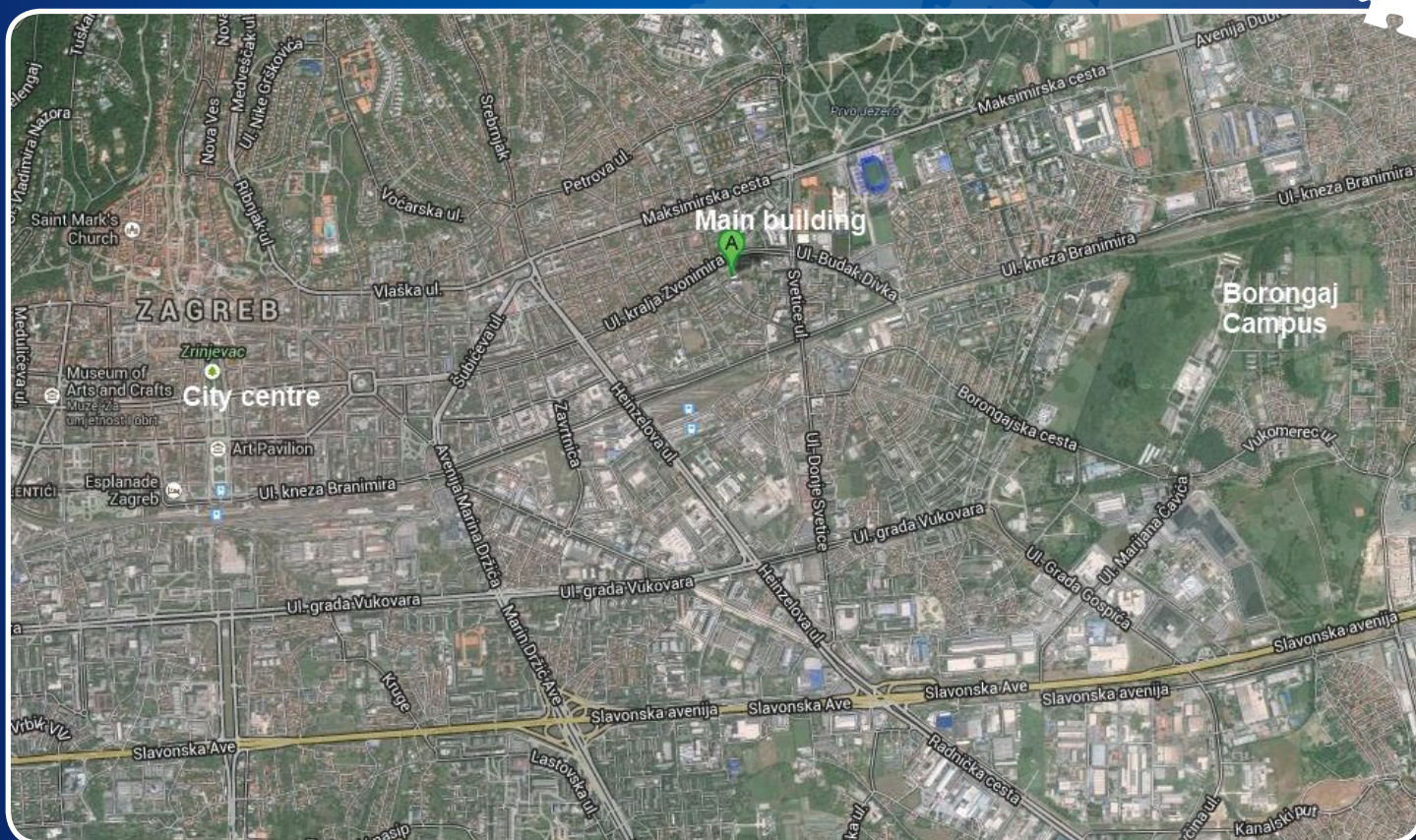
STUDYING AND LIVING IN ZAGREB

The Faculty of Transport and Traffic Sciences has three locations in the city of Zagreb. The main building at Vukelićeva 4, Borongaj Campus and Lučko Airport.

The Faculty main building containing the administrative services such as the dean's office, student affairs and international cooperation offices and some of the teachers' offices is located at Vukelićeva 4, around 3 kilometres east of the city centre. When first coming to the Faculty, students should report to the International Cooperation Office (room 00.5) in order to enrol. The main building can be reached by tram (lines 1, 9 and 17). One should get off at the Harambašićeva Street station.

The next important location is the Borongaj Campus. It is located around 3 kilometres east of the main building and it is the place where students will spend most of their time. The campus consists of several buildings and houses four faculties of the University of Zagreb. The Faculty of Transport and Traffic Sciences occupies buildings 69, 70 and 71. Most of the teachers and classrooms are located at the campus, as well as the library (building 71) and department laboratories. One of the state subsidised student cafeterias is located at the campus. The Borongaj Campus can be reached by tram and bus. Students can use tram lines 2, 3 and 13, get off at Čavića Street station and then take the bus number 236 directly to campus. Alternative route is to take the bus number 215 which leaves from the terminal at Kvaternik Square and passes the southern entrance to the campus. From here one can walk (10 minutes) or take the bus number 236 directly to campus.

Most foreign students will be situated at the student resident halls Cvjetno Naselje or Stjepan Radić. Students should apply for accommodation in resident halls as early as possible and no later than 10 June for the winter semester or 10 December for the summer semester.



COURSES IN ENGLISH



COURSE TITLE	STUDY PROGRAMME	SEMESTER	LEVEL
Aircraft Emissions	Aeronautics	W	MSc
Airport Operations	Aeronautics	W/S	MSc
Artificial Intelligence	Transport, ITS and Logistics	S	MSc
Aviation English I	Aeronautics	W/S	BSc
Aviation English II	Aeronautics	W/S	BSc
Aviation English III	Aeronautics	W	BSc
Aviation English IV	Aeronautics	S	BSc
Aviation English V	Aeronautics	S	BSc
Aviation English VI	Aeronautics	W	MSc
Aviation English VII	Aeronautics	S	MSc
Aviation Medicine	Aeronautics	W/S	BSc
Avionics and IFR Flying	Aeronautics	W	MSc
Distribution Logistics II	ITS and Logistics	W/S	MSc
Dynamics and Aircraft Ageing	Aeronautics	W	MSc
English in Air Transport I	Transport	W	BSc
English in Air Transport II	Transport	S	BSc
English in Air Transport III	Transport	W	MSc
English in Air Transport IV	Transport	S	MSc
English Language I	Transport, ITS and Logistics, Aeronautics	W/S	BSc
English Language II	Transport, ITS and Logistics, Aeronautics	S/W	BSc
English Language III	Transport, ITS and Logistics, Aeronautics	W/S	BSc
English Language IV	Transport, ITS and Logistics, Aeronautics	S/W	BSc
Evaluation of Road Projects	Transport	W/S	MSc
Final Thesis	Transport, ITS and Logistics, Aeronautics	W/S	BSc
Fundamentals of Intelligent Transportation Systems	ITS and Logistics, Transport	S	MSc
Game Theory	ITS and Logistics	W/S	MSc
German Language I	Transport, ITS and Logistics, Aeronautics	W/S	BSc
German Language II	Transport, ITS and Logistics, Aeronautics	W/S	BSc
German Language III	Transport, ITS and Logistics, Aeronautics	W/S	BSc

COURSE TITLE	STUDY PROGRAMME	SEMESTER	LEVEL
German Language IV	Transport, ITS and Logistics, Aeronautics	W/S	BSc
Graduation Thesis	Transport, ITS and Logistics, Aeronautics	W/S	MSc
Integral and Intermodal Systems	ITS and Logistics	W/S	BSc
International Transport and Forwarding	Transport, ITS and Logistics	W/S	BSc
Inventory Management	ITS and Logistics	W/S	BSc
Logistics and Transportation Models	ITS and Logistics	W/S	MSc
Organizing Railway Passenger Transport	Transport	W/S	MSc
Quality Management	ITS and Logistics	W	MSc
Radiotelephony Communications I	Aeronautics	W	BSc
Radiotelephony Communications II	Aeronautics	S	BSc
Railway Freight Transport	Transport	W/S	MSc
Railway Infrastructure	Transport	S	MSc
Railway Intelligent Transportation Systems	Transport	W/S	MSc
Railway Signalling	Transport	W/S	BSc
Railway Timetabling and Operations	Transport	W/S	BSc
Railway Transport Organizing	Transport	W/S	BSc
Railway Transport Technology	Transport	W	BSc
Railway Transport Technology I	Transport	W	MSc
Railway Automation	Transport	W/S	MSc
Railway Transport Computer Modelling	Transport	S	MSc
Railway Transport Management	Transport	W/S	MSc
Railway Vehicles Maintenance	Transport	W	MSc
Reverse Logistics	ITS and Logistics	W/S	MSc
Ropeway Transport Technology	Transport	W	MSc
Simulations of Railway Operations	Transport	W	MSc
Traffic Medicine	Transport, ITS and Logistics, Aeronautics	W/S	BSc
Transport Economics	Transport, ITS and Logistics, Aeronautics	W	BSc
Transport Ergonomics	Transport, ITS and Logistics, Aeronautics	W	MSc
Transport Geoinformation Systems	Transport, ITS and Logistics, Aeronautics	S	MSc
Transport Optimization	Transport, ITS and Logistics	W	BSc/MSc
Warehouse Transport and Storage	ITS and Logistics	W/S	MSc
Water Transportation Planning	Transport	S	MSc



STUDY PROGRAMMES

UNDERGRADUATE STUDY PROGRAMMES

BACHELOR'S DEGREE STUDY PROGRAMMES	DURATION (semesters)	ECTS	LANGUAGE OF INSTRUCTION
Traffic and Transport <ul style="list-style-type: none">▪ Road▪ Railway▪ Urban▪ Air▪ Waterway▪ Postal▪ Information and Communication	6	180	Croatian
Intelligent Transport Systems and Logistics <ul style="list-style-type: none">▪ Intelligent Transport Systems▪ Logistics	6	180	Croatian
Aeronautics <ul style="list-style-type: none">▪ Air Traffic Control▪ Civil Pilots▪ Military Pilots	6	180	Croatian

GRADUATE STUDY PROGRAMMES

BACHELOR'S DEGREE STUDY PROGRAMMES	DURATION (semesters)	ECTS	LANGUAGE OF INSTRUCTION
Traffic and Transport <ul style="list-style-type: none">▪ Road▪ Railway▪ Urban▪ Air▪ Waterway▪ Postal▪ Information and Communication	4	120	Croatian
Intelligent Transport Systems and Logistics <ul style="list-style-type: none">▪ Intelligent Transport Systems▪ Logistics	4	120	Croatian
Aeronautics <ul style="list-style-type: none">▪ Air Traffic Control▪ Civil Pilots▪ Military Pilots	4	120	Croatian

POSTGRADUATE STUDY PROGRAMMES	DURATION (semesters)	ECTS	LANGUAGE OF INSTRUCTION
Traffic and Transportation	6	180	Croatian/English
Specialist Study Programmes <ul style="list-style-type: none">▪ Urban Traffic▪ Intermodal Transport▪ Transport Logistics and Management	2	60	Croatian/English

