

International Master of Science in Engineering, Entrepreneurship and Resources (MSc ENTER)

University of Sarajevo,
Bosnia-Herzegovina (UNSA)

Lappeenranta-Lahti
University of Technology,
Finland (LUT University)

TU Bergakademie Freiberg,
Germany (TUBAF)



Study at three universities in the heart of Europe with esteemed technical profiles and become a highly qualified professional in the field of industrial, mechanical and process engineering!



This activity has received funding from the European Institute of Innovation and Technology (EIT), a body of the European Union, under the Horizon 2020, the EU Framework Programme for Research and Innovation



AN OVERVIEW OF THE CURRICULUM

Semester 1	Semester 2	Semester 3	Semester 4
University of Sarajevo	LUT University	TU Bergakademie Freiberg	University of Sarajevo
Oct. – Jan.	Jan. – May	Oct. – Feb./Mar.	Feb./Mar. – Aug.

Intelligent Industrial Systems (5 ECTS Credits)	Current Issues in Enabling Technologies for Circular Economy (5 ECTS Credits)	Training in Particle Technology (4 ECTS Credits)	Master thesis will be jointly supervised by the three partner universities (one supervisor from UNSA, one from LUT and one from TUBAF) and carries a total of 30 ECTS Credits .
Industrial Marketing (5 ECTS Credits)	Process Intensification (5 ECTS Credits)	Training in Endurance and Design (6 ECTS Credits)	
Industrial Logistics (5 ECTS Credits)	Knowledge Discovery and Process Data Analysis (5 ECTS Credits)	Conception of Process Equipment (3 ECTS Credits)	
Project Management (5 ECTS Credits)	Business start-ups and Venture Formation (6 ECTS Credits)	Discrete Element Method (4 ECTS Credits)	
CAM (Computer Aided Manufacturing) (5 ECTS Credits)	Academic Entrepreneurship (6 ECTS Credits)	Maintenance Engineering (3 ECTS Credits)	
Finite Element Method in Mechanical Engineering* (5 ECTS Credits)	Industrial Project Management* (3 ECTS Credits)	Sustainable Engineering (4 ECTS Credits)	
Expert Systems and Knowledge Bases* (5 ECTS Credits)	Manufacturing Processes for Recyclable Products* (5 ECTS Credits)	Project – Process Design Mineral Processing/Recycling (8 ECTS Credits)	
Flexible Manufacturing Systems* (5 ECTS Credits)	Simulation, Laboratory Course* (5 ECTS Credits)		
Ergonomics and Biomechanics* (5 ECTS Credits)	Advanced Course in Life Cycle Assessment* (7 ECTS Credits)	* Elective modules Please visit www.enter-study.eu for detailed course descriptions.	

THE INTERNATIONAL JOINT STUDY PROGRAMME

Diploma	Triple degree diploma: <ul style="list-style-type: none"> UNSA "Master of Mechanical Engineering - Graduated Mechanical Engineer (magistar mašinstva - diplomirani inženjer mašinstva)" LUT University "Master of Science in Technology" TUBAF "Master of Science" in Mechanical and Process Engineering
Credits	Min. 122 ECTS, 2 years
Language	English
Starts in	October
Application Requirements	<ul style="list-style-type: none"> First cycle higher education degree (e.g. a Bachelor degree) in mechanical engineering, process engineering, environmental engineering, chemical engineering or other relevant fields of study English language certificate (can be submitted after the accepted application, no later than Oct. 15) <ul style="list-style-type: none"> TOEFL: 80 (90) for internet-based test or 550 for paper-based test; IELTS: 6.0 (6.5); PTE Academic: 54; Cambridge English Qualifications – C1 Advanced or C2 Proficiency: C APTIS Advanced: CEFR level B2 Additional application documents may be required upon request. Please submit your application directly to the Programme Coordinator at your University.
Scholarships	<ul style="list-style-type: none"> Upon application: For up to 11 months' study-abroad periods respectively in Finland and in Germany, students can apply for the following scholarships: Erasmus+ scholarship: 10,235 € per student (approx. 930 € per month)
Fees	Tuition fees at LUT will be waived accordingly to the consortium agreement.
Admission Documents at LUT University and TUBAF	<ul style="list-style-type: none"> "Application for Admission" at TUBAF (Guidance for filling out the application form can be found here); Certified copies of the Bachelor degree certificate and Transcripts of Records; certified translations of the above certificates into English; Proof of English language proficiency according to application requirements; Certificate of enrolment for the Master study programme at University of Sarajevo (if necessary, certified translation of the certificate into English); Up-to-date passport photo; Motivation letter (maximum one page); If available, proof of professional training or work experience, internships or similar activities relevant to the study programme. <p>Please submit complete documents to the Programme Coordinator at UNSA no later than Oct. 15. Further information can be found at www.enter-study.eu.</p>

ADDITIONAL INFORMATION FOR YOUR STUDY-ABROAD PERIODS

Financial Arrangement	<p>Students are personally responsible for all costs relating to the TDP, including but not limited to following:</p> <ul style="list-style-type: none"> • Travel expenses (including the two mobility periods and probably one internship placement) • Accommodation and living expenses • All costs associated with applying for and obtaining appropriate visas and travel documentation • All other debts incurred during the course of their stay.
Tuition Fees	<p>TUBAF does not charge tuition fees from the participating students of the MSc. ENTER programme, who has not obtained a Master's degree or equivalent at any higher education institution. Students who have already earned a Master's degree or equivalent need to pay 300 € tuition fees called "Zweitstudiengebühr" per semester. (1,200 € for all 4 semesters) at TUBAF. At LUT University, there is no tuition fee for citizens of EU/EEA countries and Switzerland for the first or second Master's degree. LUT University has to charge tuition fees in the amount of 13,500 €/year/student from non-EU/non-EEA/non-Switzerland citizens (starting from academic year 2022-2023, earlier 10.000€/year) but agrees to provide scholarships to the participating students of the MSc. ENTER programme as follows:</p> <ul style="list-style-type: none"> • Once admitted at LUT University, non-EU/non-EEA/non-Switzerland students who need to pay tuition fees must apply for scholarship from LUT University. LUT University will award scholarship to cover 100% of the tuition fees to those TDP students who have applied for the scholarship, in the total amount of 20,250 € per student (6,750 € per student for the second semester at LUT University, 6,750 € per student for the fourth semester for the joint Master's thesis and 6,750 € for the fifth semester). However, the scholarship transfers will be executed internally between sub-accounts at LUT University (students will not receive the scholarship directly and only see the transactions in tax documentations as these are tax-free scholarships). • Students who have not successfully completed their studies at the end of five semesters at LUT and at the end of four semesters at TUBAF of regular study programme can re-enrol for at least one additional semester. They need to pay additional tuition and semester fees (6,750 €/semester and Student Union and Health care fees at LUT University and 84 €/semester at TUBAF) by themselves. • Students should be aware that they must strictly follow the given personal study plan. In the case a student does not complete master's degree by the end of the 5th semester at LUT without any significant reason half of the obtained scholarship must be returned by the student to LUT University within two (2) months after the student has received the written notification. The final decision of interpreting the reason will be made by LUT administration. • In the case of a student failing to follow the Host University's administrative regulations for teaching and studying at LUT, LUT may decrease the amount of the scholarship awarded, or, if necessary, cancel the whole scholarship. In these cases, the student is obligated to return the scholarship to the LUT University without undue delay.

ADDITIONAL INFORMATION FOR YOUR STUDY-ABROAD PERIODS

	Lappeenranta, Finland	Freiberg, Germany
Visa and Residence Permit	Residence permit is required from non-EU/EEA citizen. Further details can be found here .	<ul style="list-style-type: none"> • Apply for the student visa at the German diplomatic mission in Bosnia-Herzegovina.
		<ul style="list-style-type: none"> • After you enter Germany, apply for a residence permit at the Foreign Authorities Office in Freiberg within first 3 months.
		<ul style="list-style-type: none"> • Further details can be found here.
Health Insurance	Private health care insurance of approx. 68 € per month for the entire duration of the study program (approx 30 months) is mandatory for all students. Selecting an insurance provider is the student's responsibility, coordinators can only support.	
	Further details about health insurance in Finland can be found here .	Further details about health insurance in Germany can be found here .
Housing	Accommodation is arranged by Lappeenranta Student Housing Foundation. Further details can be found here .	<ul style="list-style-type: none"> • Student dormitories provided by the Student Services Office (Studentenwerk Freiberg)
		<ul style="list-style-type: none"> • Other possibilities
Cost of Living	About 700 € per month (about 350 € for monthly rent and utilities). Further details can be found here .	450 – 550 € per month, including:
		Rent and utilities: 170 – 280
		Food and clothing: 170 – 220 €
		Phone, internet and TV: 35 – 50 €
Administrative fees	Administrative fees of 80 € per semester for the entire duration of enrolment at LUT. (i.e 80 € *3 semester = 240 €)	Administrative fees of 84 € per semester for the entire duration of enrolment at TUBAF. (i.e 84 € *4 semester = 336 €)

FURTHER CONTACTS

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