

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

MSc ENTER
Engineering, Entrepreneurship
and Resources

Technical University of
Kosice, Slovakia (TUKE)

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!

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The ENTER programme has received in 2024 the **EIT Label**, a quality seal awarded to top Master and PhD programmes that excel in shaping a new generation of students into game changers and innovators.

AN OVERVIEW OF THE CURRICULUM

Semester 1	Semester 2	Semester 3	Semester 4
Technical University of Kosice	LUT University	TU Bergakademie Freiberg	Technical University of Kosice
Sept. – Jan.	Jan. – May	Oct. – Mar.	Mar. – Aug.
Revitalization and recultivation of landscape (6 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 TUKE, one from LUT and one from TUBAF) and carries a total of 30 ECTS Credits .
Mineralurgy (6 ECTS Credits)	Start-ups and Venture Formation (6 ECTS Credits)	Training in Endurance and Design (6 ECTS Credits)	
Mathematics I (6 ECTS Credits)	Knowledge Discovery and Process Data Analysis (5 ECTS Credits)	Project – Process Design Mineral Processing/ Recycling (5 ECTS Credits)	
Environmental sampling (1 ECTS Credits)	Process Intensification (5 ECTS Credits)	Sustainable Engineering (4 ECTS Credits)	
Semestral Project (1 ECTS Credits)	Academic Entrepreneurship (6 ECTS Credits)	Conception of Process Equipment (5 ECTS Credits)	
Material evaluation of technological processes* (5 ECTS Credits)	Integration of Product's Design, Sustainable Production and Material Selection* (5 ECTS Credits)	Process Development in Mechanical Process Engineering* (4 ECTS Credits)	
Gas cleaning technologies* (5 ECTS Credits)	Simulation, Laboratory Course* (5 ECTS Credits)	Recycling - Secondary Raw Materials* (5 ECTS Credits)	
Technical mineralogy* (5 ECTS Credits)	Fluid Dynamics in Chemical Engineering* (5 ECTS Credits)	Maintenance Engineering* (4 ECTS Credits)	
	Advanced Course in Life Cycle Assessment* (8 ECTS Credits)		
	Bioeconomy* (5 ECTS Credits)		
	Development of New Sustainable Products and Solutions* (5 ECTS Credits)		
	Power-to-X processes* (5 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"> • TUKE "Ing" (Master) for the Master's programme in "Mineral Processing and Environmental Technologie" • LUT University "Master of Science in Technology" • TUBAF "Master of Science" in Mechanical and Process Engineering
Credits	124 ECTS (or more, depends on selected elective modules), 2 years
Language	English
Starts in	September
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	Upon application: For up to 12 months' study-abroad periods respectively in Finland and in Germany, students can apply for the following scholarships: Erasmus+ scholarship in consultation with your home university: 674€ grant rate per month (+top-up 50€ in case of green travel)
Fees	<ul style="list-style-type: none"> • Semester Fee at TUBAF: 94€ x 4 semester • Semester Fee at LUT: 42€ per semester (2nd, 4th and 5th semesters to be paid) • Student healthcare fee at LUT: 36,80€ per 2nd semester • The costs of the English language proficiency tests will be refunded.
Admission Documents at LUT University and TUBAF	<ul style="list-style-type: none"> • 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 TUKE (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>Further information can be found at www.enter-study.eu.</p> <p>Please submit complete documents to the Programme Coordinator of TUKE no later than Oct. 15. Then you will receive the informations for the enrolment from TUBAF and LUT.</p>

ADDITIONAL INFORMATION FOR YOUR STUDY-ABROAD PERIODS

	Lappeenranta, Finland	Freiberg, Germany
Visa and Residence Permit	As a citizen of an EU Member State, you need to register your right of residence at the Finnish Immigration Service as you will stay in Finland for more than three months. Further details about the registration process can be found here .	For EU citizens, no residence permit is required. Upon arrival, you only need to register with the local residents' registration office. Documents required are: a passport or personal identification card; a housing confirmation and proof of financial resources. Further details can be found here .
Health Insurance	Everyone who studies in Finland and Germany must have health insurance. If you are insured by or covered by a state social security system (a public health insurance provider) in Slovakia, you can apply for the European Health Insurance Card (EHIC), which is also recognised in Finland and Germany. Otherwise you should take out a private insurance. 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 .	Student dormitories provided by the Student Services Office (Studentenwerk Freiberg) Other possibilities
Cost of Living	About 700 € per month (about 350 € for monthly rent and utilities). Further details can be found here .	About 700 € per month, including: Rent and utilities: 200 – 320 € Food and clothing: 200 – 300 € Phone, internet and TV: 35 – 50 €
Services for Students	Additional services for students at LUT University can be found here .	Additional services for students at TU Freiberg can be found here .

FURTHER CONTACTS

Programme Coordinator:

assoc. prof. Lubica Kozakova
E-Mail: lubica.kozakova@tuke.sk

TU Freiberg Coordinator:

Mrs. Sophia Kohl
E-Mail: sophia.kohl@eit.tu-freiberg.de

LUT University Coordinator:

Dr. Maria Mamelkina
E-Mail: maria.mamelkina@lut.fi

