

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

Dnipro University of
Technology, Ukraine (DUT)

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 |
|---|---|--|--|
| Dnipro University of Technology | LUT University | TU Bergakademie Freiberg | Dnipro University of Technology |
| Sept. – Dec. | Jan. – May | Oct. – Feb./Mar. | Feb./Mar. – Aug. |
| Computer Researches of Processing of Details on Multi-Faceted CNC Machines (9 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 DUT, one from LUT and one from TUBAF) and carries a total of 30 ECTS Credits. |
| Optimization of Cutting Modes on CNC Machines (6 ECTS Credits) | Process Intensification (5 ECTS Credits) | Training in Endurance and Design (6 ECTS Credits) | |
| Mathematical Modeling of Systems (6 ECTS Credits) | Knowledge Discovery and Process Data Analysis (5 ECTS Credits) | Conception of Process Equipment (3 ECTS Credits) | |
| System-Structural Optimization of Processing Processes on CNC Machines (9 ECTS Credits) | Business start-ups and Venture Formation (6 ECTS Credits) | Discrete Element Method (4 ECTS Credits) | |
| | Academic Entrepreneurship (6 ECTS Credits) | Maintenance Engineering (3 ECTS Credits) | |
| | Power-to-X processes (5 ECTS Credits) | Sustainable Engineering (4 ECTS Credits) | |
| | Advanced Course in Life Cycle Assessment* (7 ECTS Credits) | Project – Process Design Mineral Processing/Recycling (8 ECTS Credits) | |
| | Simulation, Laboratory Course* (5 ECTS Credits) | | |

* Elective modules
Please visit www.enter-study.eu for detailed course descriptions.

THE INTERNATIONAL JOINT STUDY PROGRAMME

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|--|---|
| Diploma | Triple degree diploma: <ul style="list-style-type: none"> DUT "Master of Applied Mechanics" LUT University "Master of Science in Technology" TUBAF "Master of Science" in Mechanical and Process Engineering |
| Credits | 122 ECTS, 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 | <p>For up to 12 months' study-abroad periods respectively in Finland and in Germany, students can apply for the following Erasmus+ funding:</p> <ul style="list-style-type: none"> grant rate per month: 850€ (+250€ social top up for stud. with viewer opport.) travel grant one-time: 275€ (+45€ for green travelling by train, bus or carpool) <p>This will be examined by the International Offices of the partner universities.</p> |
| 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) Costs of private health insurance at TUBAF: 35€ x 24 month 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 DUT (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 at DUT 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 | Residence permit is required from non-EU/EEA citizen. Further details can be found here . | Apply for a 6 month student visa at the German diplomatic mission in Ukraine. Further details can be found here . |
| Health Insurance | Everyone must have a private health insurance for the complete study duration. Please contact your TU Freiberg coordinator for details. | |
| | 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:

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