



EMERALD

ERASMUS MUNDUS MASTER
IN GEORESOURCES ENGINEERING

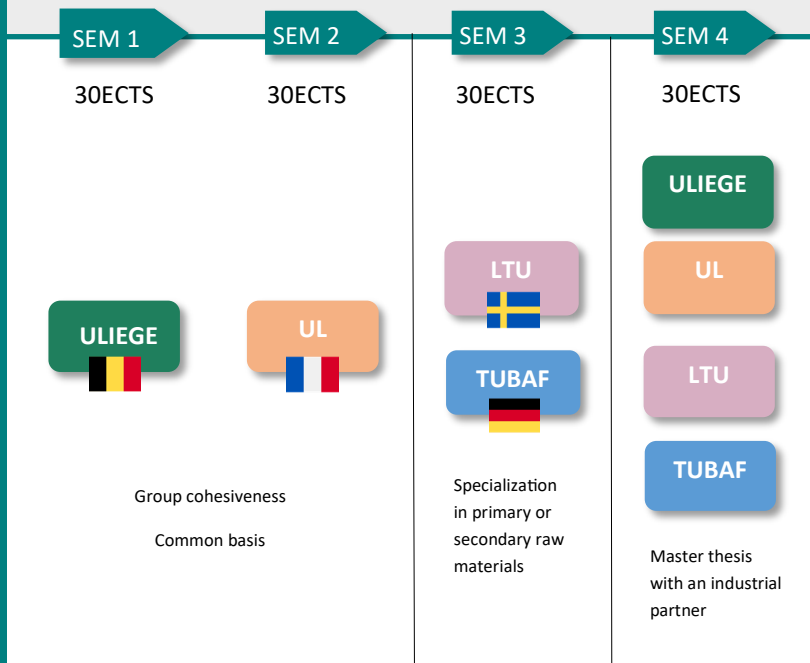


EMERALD MASTER IN GEORESOURCES ENGINEERING

The EMerald master in georesources engineering aims to train a new generation of engineers with an entrepreneurial mind-set, capable of identifying and sustainably managing the mineral and metal resources that are essential for the green energy transition.

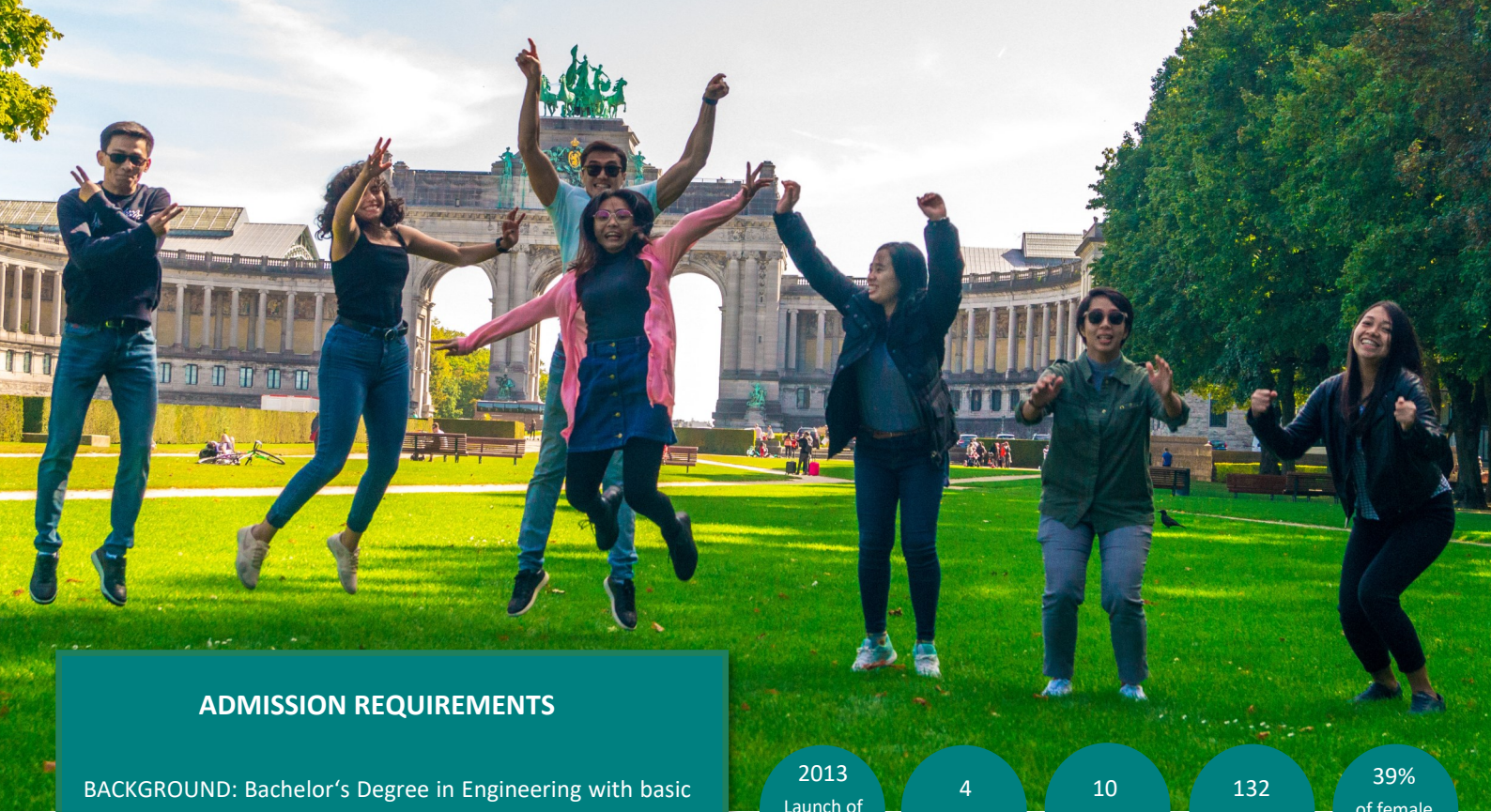
With a unique position at the interface between Earth Sciences and Engineering, the two-year master (120 ECTS) is designed for students with a background in both geology and applied sciences (mining, metallurgy, chemistry). It has been designed to find the right balance between the knowledge of metal/mineral resources (geology, landfills, urban mines, reserve characterisation and modelling) and process engineering techniques (comminution, sorting, preconcentration, extractive metallurgy and waste disposal).

The master, fully taught in English, offers an innovative curriculum from hands-on experiences in the university labs to the use of digital tools. It is jointly organized by 4 top-level European Universities, each of which hosts the students for at least a semester and delivers a Degree.



Check out the catalogue of courses:





ADMISSION REQUIREMENTS

BACKGROUND: Bachelor's Degree in Engineering with basic knowledge in Geology or a bachelor's Degree in Minerals Engineering, Mining Engineering, Chemical Engineering, Geological Engineering, Metallurgical Engineering or a master's Degree in Geology. At least 22.5 ECTS in Mathematics at university level are required. Candidates must also demonstrate proficiency in the English language.

TUITION FEES: 4.500EUR/year for EU students and 9000EUR/year for non-EU students (tuition fees waiver possible for non-scholarship holders)

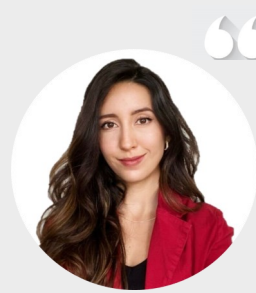
SCHOLARSHIPS: full Erasmus Mundus Scholarships are available (1400EUR/month for 2 years).

APPLICATIONS are open for intake 2024 through the web-site. Deadline: March 1st 2024.



GET IN TOUCH

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-  emerald@uliege.be
-  www.em-georesources.eu



“ Being an EMerald student, studying in renowned universities, and having contact with people from all around the world allowed me to grow professionally and mainly, personally. The program not only opened my mind to new concepts but taught me how to think about our resources with a new approach. It has also offered me the possibility to work nowadays in an environment where I feel useful in building a sustainable world for the next generations. ”

— BARBARA DORNELAS, BRAZIL (graduated in 2021)



“ EMerald gave me a holistic view of the raw materials value chain from geological exploration to mineral processing and recycling. I enjoyed the enormous number of field trips which helped me see the practical applications of what we were studying especially the company visits and the summer field work in the Balkan Region. But more than anything else, the program let me meet 21 colleagues from different countries around the globe who became my confidants and people I treat as my family. I ”

am currently working as a Sustainable Sourcing and Decarbonization Engineer for ArcelorMittal France, the world's largest integrated iron mining and steel manufacturer. I work on decarbonization topics specifically on agglomeration processes where I apply my knowledge of geometallurgy and the sustainable use of raw materials!

— YOLWIN PERALES, THE PHILIPPINES (graduated in 2023)



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