INTERNATIONAL MASTER OF SCIENCE IN TEXTILE ENGINEERING

PROGRAMME JOINTLY OFFERED BY GHENT UNIVERSITY, UNIVERSITY OF WEST ATTICA, POLYTECHNIC UNIVERSITY OF VALENCIA, UNIVERSITÉ DE HAUTE-ALSACE, UNIVERSITY OF BORÅS, KYOTO INSTITUTE OF TECHNOLOGY

120 ECTS CREDITS - LANGUAGE: ENGLISH

WHAT

We offer a two-year Master's programme in the field of textile engineering that enjoys the support of the European Commission as an Erasmus Mundus Joint Master's Degree. It was and still is a unique programme offering advanced education in Textile Engineering in which the latest developments in the textile field as well as contemporary teaching methods are incorporated.
The most renowned specialists from all over the world in the multidisciplinary domain of textiles are brought together and contribute to the teaching activities. The programme's objectives are acquisition of advanced knowledge in textile science and engineering, personal development and international networking. This knowledge covers textile materials, processes and applications. Horizontal learning pathways include digital technologies, scientific thinking, entrepreneurship and sustainability. Intensive mobility, multicultural student groups and immersion in local cultures guarantee a fostering of intercultural competences. Upon completion of the programme, students are awarded a Master's degree by the universities where they have spent a term.

STRUCTURE

The Master of Science in Textile Engineering is a full-time two-year programme, organised at different locations, and English-taught. The first three terms are hosted by a different universities (first term: Ghent University, Belgium; second term: rotates between the University of West-Attica, Greece, the Polytechnic University of Valencia, Spain and the Université de Haute Alsace, France. In the third term, students can chose between the University of Borås, Sweden and the Kyoto Institute of Technology, Japan). The fourth and last term is dedicated to the Master's dissertation at one of the participating universities. Local and visiting professors teach specific knowledge in course modules that usually cover one or two weeks.
Elective course units allow students to undertake an international work placement or summer school, or to take on specialist course units at one of the hosting universities. We complement traditional teaching methods with active methods such as blended learning, case studies, projects, practical work in laboratories etc. We can count on the active involvement of the industry to connect theory to practice, industry is actively involved.

Master's Dissertation

Completing the Master's dissertation is a requirement for any student who wants to obtain their Master's degree. The Master's dissertation is an original piece of research. Its aim is to develop and strengthen the students' research skills. Students select a topic and receive guidance from a supervisor. The Master's dissertation consists of a literature review, practical research, and an original analysis of the chosen topic. Students can choose from topics proposed by the participating universities. Supervision is guaranteed by three supervisors from three participating universities.

LABOUR MARKET

The international Master's degree in Textile Engineering can lead to different careers involving textile knowledge in the broadest sense of the word. Students obtain a thorough understanding of all textile-related aspects and are hence well-prepared for jobs requiring elaborate knowledge in textiles. Graduates pursue a career in academia or the industry.
The jobs mainly comprise technical positions, R&D positions and (general) management positions in three types of sectors::

- the textile and clothing industry;
- sectors that supply textile companies with raw materials, chemical products and machines;
- end users such as transportation (cars, planes, trains), medical products, furniture and many more.

Employment has an explicit international dimension thanks to the international and global character of the programme itself.

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TOELATINGSVOORWAARDEN VOOR HOUDERS VAN EEN VLAAMS DIPLOMA

1 **Na onderzoek van de bekwaamheid van de student om de opleiding te volgen:**

a opleidingen nieuwe structuur:
- Bachelor in de bio-ingenieurswetenschappen
- Bachelor in de ingenieurswetenschappen, afstudeerrichting: chemie en materialen
- Bachelor in de ingenieurswetenschappen, afstudeerrichting: chemische technologie
- Bachelor in de ingenieurswetenschappen, afstudeerrichting: chemische technologie en materiaalkunde
- Bachelor in de ingenieurswetenschappen, afstudeerrichting: materiaalkunde
- Bachelor in de ingenieurswetenschappen: chemische technologie en materiaalkunde
- Master in de industriële wetenschappen: chemie
- Master in de industriële wetenschappen: industrieel ontwerpen
- Master in de industriële wetenschappen: textieltechnologie
- Master of Chemical Engineering Technology
- Master of Chemistry, op voorwaarde dat het curriculum van de student een major Materials Chemistry omvat

b opleidingen oude structuur:
- Industrieel ingenieur in chemie
- Industrieel ingenieur in textiel

2 **Op voorwaarde van toelating door de inrichtende faculteit: na het met succes voltooien van een voorbereidingsprogramma:**

aantal studiepunten te bepalen door de faculteit

a opleidingen nieuwe structuur:
- Bachelor in de bio-industriële wetenschappen
- Bachelor in de industriële wetenschappen: chemie
- Bachelor in de industriële wetenschappen: elektromechanica
- Bachelor in de industriële wetenschappen: kunststofverwerking
- Bachelor in de industriële wetenschappen: textieltechnologie
- Bachelor in de ingenieurswetenschappen (KMS)
- Bachelor of Engineering Technology, afstudeerrichting: Chemical Engineering
- Bachelor of Engineering Technology, afstudeerrichting: Electromechanical Engineering
- Een diploma van 'Master in Engineering Technology'
- Een diploma van een opleiding 'Bachelor of Science in de ingenieurswetenschappen' (met inbegrip van 'architectuur')
- Een diploma van een opleiding 'Master of Science in de industriële wetenschappen'

b opleidingen oude structuur:
- Een diploma van 'Industrieel Ingenieur'

ADMISSION REQUIREMENTS FOR INTERNATIONAL DEGREE STUDENTS

The first eligibility criterion concerns the bachelor education of the applicant. Candidates must have at least a Bachelor degree (minimum 180 ECTS credits or equivalent) in the fields related to engineering or science (including but not limited to material science, textiles, chemistry, bioscience, mechanical engineering) including 15 ECTS in mathematics and a total of 10 ECTS pure or applied chemistry and physics or an equivalent level, from a recognised university or engineering college. For applications on the basis of a diploma issued in a country that ratified the Lisbon Recognition Convention, the principles of this convention will be honoured.
Students who are about to complete their bachelor degree can be admitted under the condition of successful completion of the bachelor degree by the start of the intake.
For students having a background that does not fully meet the requirements concerning maths, physics and chemistry, the MB may design a preparatory programme that fills the gaps in their education so that upon successful completion of this programme the student meets the first criterion. In such case, the student must have fully completed the preparatory programme by the start of the WE-TEAM programme and successfully pass the full selection procedure for the other criteria.

LANGUAGE REQUIREMENTS

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Language requirements Dutch: no language requirements

Language requirements for this study programme differ from the required standard level for English taught study programmes as specified in the Ghent University Education and Examination Code:
English
* B2 Cambridge Certificate or an equivalent level
* IELTS Certificate with a minimum overall score of 6.5 with at least 6 for writing or an equivalent level
* TOEFL Certificate with a minimum score of 570 (paper) or 86 (internet) or an equivalent level
* TOEIC Certificate with a minimum score of 1560 (calculated as Listening & Reading score + Writing & Speaking score multiplied by 2.5) or an equivalent level

Contact
WE-TEAM Coordination Office
we-team@ugent.be
+32 (0) 9 264 57 35

Contact (for international degree students)
International Relations Officer
+32 9 264 36 99
international.ea@ugent.be

https://we-team.education/

PRACTICAL INFORMATION

Study programme
studiekiezer.ugent.be/international-master-of-science-in-textile-engineering-en/programma

Information sessions
Graduation Fair
afstudeerbeurs.gent/en/students/further-studies

Open Days
26 April 2022 17u00 - 19u00 - Ufo, Campus Ufo, Sint-Pietersnieuwstraat 33, Gent

Enrolling institution
Ghent University, Kyoto Institute of Technology, University of West Attica, University of Borås, Université de Haute-Alsace, Polytechnic University of Valencia

Information on enrolment at Ghent University.

Application Deadline (for International degree students)
Deadline (for all students, both Belgian as international):
For students who **need a visa** and/or **apply for a EMJMD grant**: 31 January
For students who **do not need a visa** or **who do not apply for a EMJMD grant**: 31 May

Tuition fee
More information is to be found on: www.ugent.be/tuitionfee