MASTER OF SCIENCE IN TEXTILE ENGINEERING

120 ECTS CREDITS - LANGUAGE: ENGLISH

WHAT

The Master in Textile Engineering is a two-year master's programme in the field of textile engineering. The programme was developed in the framework of and with full support of the Erasmus programme of the European Union. 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 in the multidisciplinary domain of textiles in Europe and beyond are brought together. The programme benefits from significant industry participation. Graduates have acquired knowledge, skills and attitudes that ensure their impact on technological innovation, creativity, quality and management in industry as well as in academia. The international experience also adds to their international network with students, academia and industry.

STRUCTURE

The programme of the Master in Textile Engineering is a full-time programme, organised at different locations, lectured in English. All major universities in Europe and worldwide offering a textile degree, participate in the programme. As such, the programme benefits from the strengths of all participating universities, allowing to cover all modern areas related to textiles. The first three semesters are each time hosted in a different university. The fourth and last semester is dedicated to the dissertation at one of the participating universities (to be chosen by the student) under supervision of a tutor, possibly in co-operation with the industry. Students who are admitted spend one year and a half (three semesters) in three geographically spread regions in Europe (one semester can be chosen in Japan) where they are taught by a large number of professors of the participating universities as well as from the industry. Each lecturer passes on his or her specific knowledge in a course module covering one or two weeks. Elective courses allow students to take an internship or summerschool or to follow specialist courses at one of the hosting universities. Next to the traditional lecturing methods, active methods are used such as blended learning, case studies, projects, practical work in laboratories etc. To link theory with practice, industry is actively involved.

Master's Dissertation

The master's dissertation is a requirement for every candidate to obtain a master's degree. The master's dissertation is an original piece of research work. It aims to develop and strengthen the research capacity skills of the students. The student selects a topic and is given guidance by a promoter or supervisor. The master's dissertation consists of a literature review part, a theoretical reflection and an original analysis of the topic.

LABOUR MARKET

The degree master of textile engineering can lead to different careers involving textile knowledge in the broadest sense of the word. Students obtain a thorough understanding of all aspects related to textiles and are hence well-prepared for jobs requiring elaborate knowledge in textiles. Graduates go for a career in academia and industry.
The jobs imply technical functions, R&D functions and (general) management functions mainly 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 **Rechtstreeks:**
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

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

2 **Rechtstreeks, na check door de inrichtende faculteit van formele toelatingsvereisten:**
- Master of Chemistry op voorwaarde dat het curriculum van de student een major Materials Chemistry omvat.

3 **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, afstudeerrichting: chemie
- Bachelor in de industriële wetenschappen, afstudeerrichting: elektromechanica
- 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

Students having a higher education degree (BSc, BEng, etc.) in textiles or related areas.

Information on admission requirements and the administrative procedure for admission on the basis of a diploma obtained abroad, can be found on the following page: www.ugent.be/prospect/en/administration/enrolment-or-registration.

LANGUAGE REQUIREMENTS

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: TOEFL 550 (paper-based) - TOEFL 79 (internet-based) - TOEFL 213 (computer-based) - IELTS: 5.5 - UCT-attest (level B2) - a certificate confirming that the prospective student passed one year or at least 60 credits of study in an English-language study programme in either secondary or higher education

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PRACTICAL INFORMATION

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

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

Enrolling institution
Information on enrolment at Ghent University.

Application Deadline (for International degree students)
For students who **need a visa**: before 1st of April
For students who **do not need a visa**: before 1st of June
Read more

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

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www.ugent.be/ea/match/textiles/en/education/european-master