

Programme jointly offered by Ghent University, University of West Attica, Polytechnic University of Valencia, University of Borås, Kyoto Institute of Technology

International Master of Science in Textile Engineering

Language of instruction: English

Programme version 3

1 General Courses 87 credits

This programme is jointly offered by Ghent University (Belgium), Kyoto Institute of Technology (Japan), University of Haute-Alsace (France), University of Borås (Sweden), University of West Attica (Greece) and University of Valencia (Spain).

1.1 General Courses Ghent University 30 credits

All students follow the courses from the first semester at Ghent University.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E064822 Polymer Technology <i>Dagmar D'hooge -- Department of Materials, Textiles and Chemical Engineering</i>	3		1	A:1	90
2	E064821 Advanced Fibre Technology <i>Takeshi Kikutani -- Kyoto Institute of Technology</i>	3		1	A:1	90
3	E063660 Biomaterials <i>Peter Dubruel -- Department of Organic Chemistry</i>	3		1	A:1	90
4	E064660 Mechanics of Textile Materials <i>Rimvydas Milasius -- Department of Materials, Textiles and Chemical Engineering</i>	3		1	A:1	90
5	E064351 Instrumental Analysis <i>Chris Carr -- Department of Materials, Textiles and Chemical Engineering</i>	3		1	A:1	90
6	E064931 Sustainable Textile Design <i>Teruo Kimura -- Kyoto Institute of Technology</i>	3		1	A:1	90
7	E064851 Computation Sciences and Engineering Principles for Textiles <i>Yordan Kyosev -- Kyoto Institute of Technology</i>	6		1	A:1	180
8	E064452 Advanced and Specialised Textile Processing - Dyeing <i>Karen De Clerck -- Department of Materials, Textiles and Chemical Engineering</i>	3		1	A:1	90
9	E650100 Introduction to Cocreation [en, nl] <i>Jan Detand -- Department of Industrial Systems Engineering and Product Design</i>	3		1	A:1	90

1.2 General Courses University of West Attica (Greece), University of Valencia (Spain), University of Haute-Alsace (France) 30 credits

The location of the courses from the second semester follows a rotation system, alternating between the University of West Attica (Greece), University of Valencia (Spain) and University of Haute-Alsace (France). All students follow the courses from the second term in one of these three locations: University of Haute-Alsace in 2023-2024, University of West Attica in 2024-2025, University of Valencia in 2025-2026 a.s.o.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E064461 Advanced and Specialised Textile Processing - Mechanical <i>Carmen Visconte -- Politecnico di Torino</i>	6		1	A:2	180
2	E064453 Advanced and Specialised Textile Processing - Finishing <i>Jakub Wiener -- Kyoto Institute of Technology</i>	3		1	A:2	90
3	E063690 Biotechnology <i>Maria Angeles Bonet Aracil -- Polytechnic University of Valencia</i>	3		1	A:2	90
4	E064370 Nanotechnology in the Textile Branch <i>Kyoto Institute of Technology, Dana Kremenakova</i>	3		1	B:2	90
5	E064721 Garment Technology <i>Dominique Adolphe -- National School of Engineers of South Alsace</i>	3		1	B:2	90

6	E064731	Industrial Information Systems <i>Savvas Vassiliadis -- University of West Attica</i>	6	1	A:2	180
7	E064692	Virtual Product Development <i>Yordan Kyosev -- TU Dresden</i>	3	1	A:2	90
8	E075080	Scientific Thinking <i>Karim Zahidi -- Department of Philosophy and Moral Sciences</i>	3	1	A:2	90

1.3 General Courses Kyoto Institute of Technology (Japan), Högskolan i Borås (Sweden)

27 credits

The courses in the third semester can be taken either at Kyoto Institute of Technology (Japan) or at University of Borås (Sweden). Students choose one location, where all courses from the third semester are given.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E064881 Application of Technical Textiles <i>Ada Ferri -- Politecnico di Torino</i>	6		2	A:1	180
2	E064891 Technical Textile Manufacturing Technology <i>Cornelia Sennewald -- Kyoto Institute of Technology</i>	3		2	A:1	90
3	E064911 Comfort and Computation of Textiles <i>Benny Malengier -- Department of Materials, Textiles and Chemical Engineering</i>	3		2	A:1	90
4	E064701 Intelligent Textiles <i>Lieva Van Langenhove -- Department of Materials, Textiles and Chemical Engineering</i>	3		2	B:1	90
5	E065691 Composite Materials <i>Mikael Skrifvars -- University of Borås</i>	3		2	A:1	90
6	E064871 Management, Logistics and Distribution <i>Kanchana Dissanayake -- University of Borås</i>	6		2	A:1	180
7	E064980 Advanced Textile Project <i>Satoko Okubayashi -- Kyoto Institute of Technology</i>	3		2	A:1	90

2 Elective Courses

3 credits

Subscribe to 3 credit units electives, in the second master's year. Students may also take a Summer Course as an elective, subject to approval by the Programme Office.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E099300 Industry Internship Engineering and Architecture [en, nl] <i>Patrick Segers -- Department of Electronics and Information Systems</i>	6			A:J	180
2	E099400 Research Internship <i>Patrick Segers -- Department of Electronics and Information Systems</i>	6			A:J	180
3	E099400 Research Internship <i>Patrick Segers -- Department of Electronics and Information Systems</i>	3			B:J	90
4	E064970 Specialist Course	3			A:1, B:2	90

3 Master's Dissertation

30 credits

The master's dissertation is carried out at one of the full partner universities or associated partners.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E091105 Master's Dissertation	30		2	A:J	900

Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the course name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Croatian/Serbian	zh: Chinese
cs: Czech	el: Greek	fr: French	nl: Dutch	pt: Portuguese	sl: Slovene	
da: Danish	en: English	it: Italian	no: Norwegian	ru: Russian	sv: Swedish	

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2. When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.

When a semester is shown in brackets, the course is not offered this year in the specific offering.

The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually	c: annually, from 2026-2027	f: annually, from 2027-2028	i: annually, from 2028-2029
b: tri-annually	d: bi-annually, from 2026-2027	g: bi-annually, from 2027-2028	j: bi-annually, from 2028-2029
	e: tri-annually, from 2026-2027	h: tri-annually, from 2027-2028	k: tri-annually, from 2028-2029