

**Postgraduate (follow-up) Master Study Programmes at FT TUL
TEXTILE ENGINEERING (N0723A270002)**

Compulsory courses - 1 st year	Course code	Winter	Summer	Examination	ECTS
Applied Mathematics	KAP/AMA	4+4		Credit + Exam	6
Physics	KFY/AFY	2+2		Credit + Exam	6
Textile Chemistry	KMI/TXC	2+2		Credit + Exam	6
Properties of Fibres	KMI/VV	2+2		Credit + Exam	6
Statistics	KAP/STT		2+2	Credit + Exam	6
MATLAB Programming Fundamentals	KHT/ZPM		0+2	Credit + Exam	4
Facultative courses - 1 st year (one course must be selected)	Course code	Winter	Summer	Examination	ECTS
Materials for Tissue Engineering	KNT/MTI		2+2	Credit + Exam	6
Applied Mechanics	KTT/AME		2+2	Credit + Exam	6

Nonwovens and Nanomaterials background (NNMA bkgd.)

Compulsory courses - 1 st year – NNMA bkgd.	Course code	Winter	Summer	Examination	ECTS
Polymer Physics	KCH/FYP		2+2	Credit + Exam	6
Diploma Thesis 1	KNT/DPR1		0+2	Credit (no grade)	3
Mechanical Technologies of Nonwovens	KNT/MNTI		2+2	Credit + Exam	6
Theory of Nonwovens	KNT/TEN		2+2	Credit + Exam	5

Clothing Technology and Materials background (OTMA bkgd.)

Compulsory courses - 1 st year – OTMA bkgd.	Course code	Winter	Summer	Examination	ECTS
Automation of Apparel Production	KOD/AOV		2+2	Credit + Exam	6
Diploma Thesis 1	KOD/DPR1		0+2	Credit (no grade)	3
Principles of Clothing Machines	KOD/POS		2+2	Credit + Exam	6
Chapters of Garment Manufacture Technology	KOD/VYT		2+2	Credit + Exam	5

Textile Technology and Materials background (TTMA bkgd.) – *not opened in English*

Compulsory courses - 1 st year – TTMA bkgd.	Course code	Winter	Summer	Examination	ECTS
Diploma Thesis 1	KTT/DPR1		0+2	Credit (no grade)	3
Construction and Properties of Knitted Fabrics	KTT/KVP		2+2	Credit + Exam	6
Processes and Systems in Spinning	KTT/PSP		2+2	Credit + Exam	5
Processes and Systems in Weaving	KTT/PST		2+2	Credit + Exam	6

Compulsory courses - 2 nd year	Course code	Winter	Summer	Examination	ECTS
Special Measurement Methods	KMI/SMM	2+2		Credit + Exam	6
Structure of Fibrous Assemblies	KTT/SVU	2+2		Credit + Exam	6
Textile Engineering	KMI/TEN		2+2	Credit + Exam	5
Topical Law Issues	KPE/APR		2+0	Credit + Exam	3

Nonwovens and Nanomaterials background (NNMA bkgd.)

Compulsory courses – 2 nd year – NNMA bkgd.	Course code	Winter	Summer	Examination	ECTS
Physical Principles of Electrospinning	KCH/FTP	2+2		Credit + Exam	6
Diploma Thesis 2	KNT/DPR2	0+2		Credit (no grade)	6
Thermal and Chemical Technologies	KNT/TCTI	2+2		Credit + Exam	6
Industrial Textiles	KNT/TPA	2+2		Credit + Exam	6
Diploma Thesis 3	KNT/DPR3		0+2	Credit (no grade)	4
Facultative courses – 2 nd year – NNMA bkgd. (two courses must be selected)	Course code	Winter	Summer	Examination	ECTS
Stereology	KCH/STE		2+2	Credit + Exam	6
Automotive industry textiles	KNT/TAP		2+2	Credit + Exam	6
Technology of Nanofibers Production	KNT/TTN		2+2	Credit + Exam	6
Medical textiles	KNT/ZDT		2+2	Credit + Exam	6

Clothing Technology and Materials background (OTMA bkgd.)

Compulsory courses - 2 nd year – OTMA bkgd.	Course code	Winter	Summer	Examination	ECTS
Diploma Thesis 2	KOD/DPR2	0+2		Credit (no grade)	6
Computer-aided Pattern Design	KOD/KPC	1+2		Credit + Exam	6
Utility Properties of Clothing Materials	KOD/OM	2+2		Credit + Exam	6
Computer Simulation of Clothing Production	KOD/PSO	1+2		Credit + Exam	6
Diploma Thesis 3	KOD/DPR3		0+2	Credit (no grade)	4
Project of Clothing Product	KOD/PRO		1+2	Credit + Exam	6
Advanced Technology and Measurement	KOD/STE		2+2	Credit + Exam	6

Textile Technology and Materials background (TTMA bkgd.) – *not opened in English*

Compulsory courses - 2 nd year – TTMA bkgd.	Course code	Winter	Summer	Examination	ECTS
Diploma Thesis 2	KTT/DPR2	0+2		Credit (no grade)	6
Construction and Properties of Yarns	KTT/KVD	2+2		Credit + Exam	6
Construction and Properties of Woven Fabrics	KTT/KVT	2+2		Credit + Exam	6
Processes and Systems in Knitting	KTT/PPL	2+2		Credit + Exam	6
Biomaterials and Biostructures	KTT/BIO		2+2	Credit + Exam	6
Diploma Thesis 3	KTT/DPR3		0+2	Credit (no grade)	4
Computer-aided Modelling	KTT/PPM		2+2	Credit + Exam	6

Student can be enrolled for the next academic year or semester provided s/he fulfils the conditions for enrollment in to the next year or semester of study - to gain at least:

- 15 ECTS credits in the first semester
- 35 ECTS credits in the first year
- 35 ECTS credits in the second year

Students must pass all the compulsory courses in their study plan. They must earn 6 ECTS credits from a pair of facultative courses of the study programme.

The total sum of ECTS credits has to be at least 120.

Alternatively, students may attend any course from the curriculum of all the faculties of TUL, after approval by the guarantor of selected course.