

Undergraduate Bachelor Study Programmes at FT TUL  
**TEXTILE TECHNOLOGIES, MATERIALS & NANOMATERIALS**  
**(B0723A270002)**

Compulsory courses - 1 <sup>st</sup> year	Course code	Winter	Summer	Examination	ECTS
Mathematics 1	KAP/MV1	2+2		Written, Oral	6
Physics	KFY/FYZ	2+2		Written, Oral	6
Textile Fibres	KMI/TXV	2+2		Written, Oral	5
Textile Technology 1	KTT/TT1	2+2		Written, Oral	5
High-functional Textiles	KDE/VYF	2+0		Credit (graded)	4
Mathematics 2	KAP/MV2		2+2	Written, Oral	6
Textile Technology 2	KMI/TTE2		2+2	Written, Oral	5
Spinning	KTT/PR		2+2	Written, Oral	5
Weaving	KTT/TK		2+2	Written, Oral	5
Sports and Physical Activities 1	KTV/SPA1T		0+2	Credit (no grade)	1
Facultative language courses - 1 <sup>st</sup> year	Course code	Winter	Summer	Examination	ECTS
Language - English	KCJ/A-T	0+2		Credit	4
Facultative "soft" courses - 1 <sup>st</sup> year	Course code	Winter	Summer	Examination	ECTS
Sociology	KFL/SOC*T		2+2	Written, Oral	4

**Nonwovens and nanofibers background (NTT bkgd.)**

Compulsory courses - 1 <sup>st</sup> year – NTT bkgd.	Course code	Winter	Summer	Examination	ECTS
General and Inorganic Chemistry	KCH/OACH		2+2	Written, Oral	5
Praxis 1	KNT/AXE1		80 hours	Credit	3

**Construction and Production of Textiles background (PTT bkgd.) – *not opened in English***

Compulsory courses - 1 <sup>st</sup> year – PTT bkgd.	Course code	Winter	Summer	Examination	ECTS
Chemistry for Textiles	KMI/CTX		2+2	Written, Oral	5
Praxis 1	KTT/AXE1		80 hours	Credit	3

## FACULTY OF TEXTILE ENGINEERING TUL

Compulsory courses – 2 <sup>nd</sup> year	Course code	Winter	Summer	Examination	ECTS
Introduction to Mechanics	KTT/UME	2+2		Written, Oral	5
Nonwovens Manufacture	KNT/NT	2+2		Written, Oral	5
Data Treatment	KMI/ZPD	2+2		Credit (graded)	4
Sports and Physical Activities 2	KTV/SPA2T	0+2		Credit (no grade)	1
Textile Nanomaterials	KNT/TNA		2+2	Written, Oral	6
Textile Testing	KMI/ZKB		2+2	Written, Oral	5
Knitting	KTT/PL		2+2	Written, Oral	5
Basic Principles of Textile Structure	KTT/STR		2+2	Written, Oral	5
Facultative language courses – 2 <sup>nd</sup> year	Course code	Winter	Summer	Examination	ECTS
Clothing Technology	KOD/AJC	1+2		Written, Oral	4
Textile Technology	KTT/AJT	2+2		Written, Oral	4
Facultative “soft” courses – 2 <sup>nd</sup> year	Course code	Winter	Summer	Examination	ECTS
Marketing	KMG/MAR	2+2		Written, Oral	5
Business project	KMG/SBC		1+2	Written, Oral	3

### Nonwovens and nanofibers background (NTT bkgd.)

Compulsory courses – 2 <sup>nd</sup> year – NTT bkgd.	Course code	Winter	Summer	Examination	ECTS
Organic chemistry	KCH/OCH	3+2		Written, Oral	7
Waste Treatment	KNT/DRS	2+2		Written, Oral	5
Clothing Production	KOD/VOD		2+2	Written, Oral	5
Praxis 2	KNT/AXE2		80 hours	Credit (no grade)	3

### Construction and Production of Textiles background (PTT bkgd.) – *not opened in English*

Compulsory courses – 2 <sup>nd</sup> year – PTT bkgd.	Course code	Winter	Summer	Examination	ECTS
Patterning of Dobby Woven Fabrics	KTT/LIS	2+2		Written, Oral	6
Production and Properties of Yarns	KTT/TVD	2+2		Written, Oral	5
Mechanics of Fibrous Assemblies	KTT/MUT		2+2	Written, Oral	6
Praxis 2	KTT/AXE2		80 hours	Credit (no grade)	3

## FACULTY OF TEXTILE ENGINEERING TUL

Compulsory courses – 3 <sup>rd</sup> year	Course code	Winter	Summer	Examination	ECTS
Special Fibres	KMI/SNA	2+2		Written, Oral	5
Textile Finishing	KMI/ZU	3+2		Written, Oral	5
Evaluation of Textile Comfort	KHT/HKT		2+2	Written, Oral	5
Facultative “soft” courses – 3 <sup>rd</sup> year	Course code	Winter	Summer	Examination	ECTS
Aesthetics	KDE/ESA	1+2		Written, Oral	5
Introduction to Management	KPE/UM*T	2+2		Written, Oral	5
Business Economics	KPE/NP*T	2+2		Written, Oral	5

### Nonwovens and nanofibers background (NTT bkgd.)

Compulsory courses – 3 <sup>rd</sup> year – NTT bkgd.	Course code	Winter	Summer	Examination	ECTS
Polymers	KNT/PPO	2+2		Written, Oral	6
Technical Textiles	KNT/TET	2+2		Written, Oral	5
Bachelor Thesis 1	KNT/BA1	0+2		Credit (no grade)	6
Praxis 3	KNT/AXE3	80 hours		Credit (no grade)	3
Materials for Nonwoven Production	KNT/MVN		2+2	Written, Oral	6
Basics of Cell and Tissue Biology	KNT/ZBT		2+1	Written, Oral	5
Fibrous Materials for Tissue Engineering	KNT/MAT		2+2	Written, Oral	5
Bachelor Thesis 2	KNT/BA2		0+2	Credit (no grade)	6

### Construction and Production of Textiles background (PTT bkgd.) – *not opened in English*

Compulsory courses – 3 <sup>rd</sup> year – PTT bkgd.	Course code	Winter	Summer	Examination	ECTS
Patterning of Weft Knitted Fabrics	KTT/PLZ	2+2		Written, Oral	6
Experimental Analysis of Structures	KTT/EXA	2+2		Written, Oral	5
Bachelor Thesis 1	KTT/BA1	0+2		Credit (no grade)	6
Praxis 3	KTT/AXE3	80 hours		Credit (no grade)	3
Warp Knitting Technology	KTT/PLO		2+2	Written, Oral	6
Special Technologies	KTT/SPT		2+2	Written, Oral	5
Jacquard Weave Techniques	KTT/ZAK1		2+2	Written, Oral	5
Bachelor Thesis 2	KTT/BA2		0+2	Credit (no grade)	6

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

- 15 credits in the first semester
- 35 credits in the first year
- 35 credits in other academic years

Students must pass all the compulsory courses in their study plan, including the required courses for the background and the courses Sports and Physical Activities 1, 2. They must earn at least 8 credits from a language courses of the study programme. They also must pass at least one course from a “soft” courses of the study programme. The total sum of credits has to be at least 180.

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