

Faculty of Textile Engineering
Master Textile Engineering, Clothing and Textile Engineering

Description:

Graduates will acquire comprehensive knowledge of the whole area of textile and clothing technologies, mainly based on understanding of basic principles and processes, and on development of corresponding intellectual skills. They will master both the technological part and the part related to textile structure and properties. Upon graduation, they will have developed the ability to work independently and be technically creative. They can be employed immediately in clothing and textile production, in managerial, research, or educational spheres. They can adapt to working at other branches, especially technical. They are capable of further independent qualification growth. They can approach problems in a complex way, i.e. from the viewpoint of other than only technical sciences (economy, ecology, and environment).

Further Study: Doctoral Study Programme

Admission Requirements:

Graduating from a bachelor's degree programme
Stipulated grade average at university or passing an entrance examination

FACTS

How to Apply - see details at: www.tul.cz/en
Application Fee: CZK 500
Application Deadline:
Availability of Scholarships - see details at: NA
Tuition Fee: USD 5000

Duration: 2 years

Winter Semester Start: September 2015

Total number of Credits: 120 ECTS

FULL-TIME MASTER PROGRAMME CONTENT

Individual Semesters	Number of ECTS POINTS
Semester 1	
Physics	6
Experimental Data Analysis	6
Textile Engineering	6
Applied Mathematics	6
Electives	6
Semester 2	
Numerical Mathematics	6
Properties of Fibres	6
Electives out of the following:	18
Theoretic Principles of Machines	
Diploma Work 1	
Colour Measurement	
Polymer Physics	
Diploma Thesis 1	
Fundamentals of Clothing Comfort	
Theory of Spinning Processes	
Automation of Apparel Production	
Stereology	
Structural Mechanics of Fibrous Assemblies	
Semester 3	
Textile Metrology and Quality Control	6
Electives out of the following:	24
Composites with Textile Reinforcement	
Diploma Work 2	
Theory of Finishing	
Theory of Knitting	
Diploma Thesis 2	
Computer-aided Pattern Design	
Computer Simulation of Clothing Production	
Textiles Projection	
Ecological Aspects of Textile Processes	
Weaving Theory	
Special Parts of Clothing Production Technology	

Semester 4

Electives out of the following

30

Methods of Thermal Analysis

Diploma Thesis 3

Expert Discourse

Diploma Work 3

Advanced Technology and Measurement in the Apparel production