



TECHNICAL UNIVERSITY OF LIBEREC is a medium sized dynamic institution that provides both forms of technical and university education. TUL has a sixty-year tradition to educate graduates and to facilitate supply of trained personnel to meet the great demand of industry. The achievements of TUL in scientific research and innovation have gained reputation beyond the Liberec region and Czech Republic.

FACULTY OF TEXTILE ENGINEERING was founded in 1960 as the second faculty of the former University and the only one in the Czech Republic which provides higher education in all aspects of textile engineering and is highly active in scientific research. Faculty collaborates with industry on a large scale. Inventions like new technology for production of plain fabrics from nanofibres shapes classify the faculty to prestigious institutes.

www.ft.tul.cz



MAIN ACTIVITIES OF THE FACULTY

- **EDUCATION**
- **RESEARCH, DEVELOPMENT AND INNOVATION**
- **ART AND OTHER CREATIVE ACTIVITIES**
- **KNOWLEDGE AND TECHNOLOGY TRANSFER**

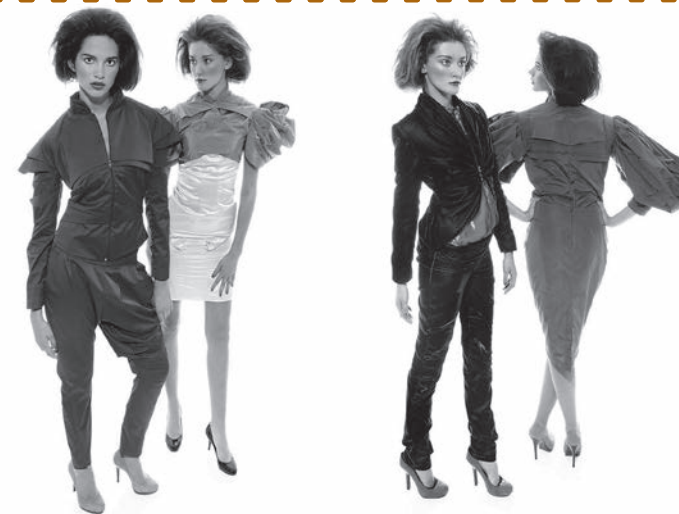
www.ft.tul.cz

EDUCATION

Faculty of Textile Engineering TU in Liberec offers higher education in the following types of study:

- Bachelor studies,
- Follow-up Master studies,
- Doctoral studies.

Study programs are being accomplished in different fields . All study programs are accredited in Czech and English language and in full-time and part-time forms.



Bachelor studies

TEXTILE

- **TEXTILE TECHNOLOGIES, MATERIALS AND NANOMATERIALS**
- **CLOTHING PRODUCTION AND MANAGEMENT OF CLOTHING TRADE**
- **TEXTILE AND FASHION DESIGN**
- **TEXTILE MARKETING**

Follow-up Master studies

TEXTILE ENGINEERING

- **CLOTHING AND TEXTILE ENGINEERING**
- **NONWOVEN AND NANOMATERIALS**

INDUSTRIAL ENGINEERING

- **QUALITY CONTROL**
- **PRODUCT ENGINEERING**

Doctoral studies

TEXTILE ENGINEERING

- **TEXTILE TECHNICS AND MATERIAL ENGINEERING**

Lifelong learning

- Faculty organizes training courses in various areas of textile technologies, textile materials and quality management according to current requirements.

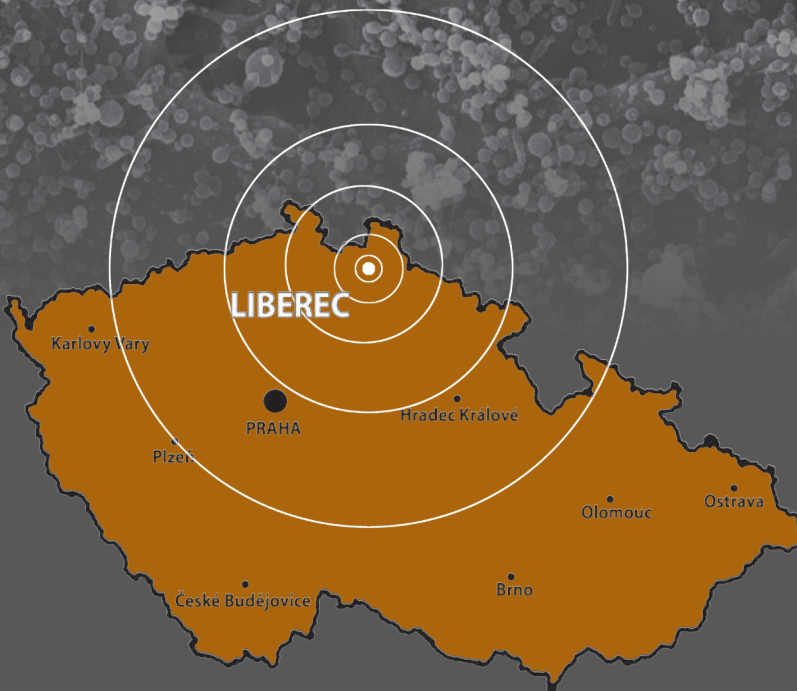
ADMISSIONS

Electronic application: <https://stag-new.tul.cz/wps/portal/uchazec/eprihlaska>

Written application to address: Dean's Office, Faculty of Textile Engineering TU Liberec, Studentská 2, 461 17 Liberec, Czech Republic

Administrative fee: bank transfer only
ČSOB Account No.: 305806603/0300,
Variable symbol: 649132
IBAN: CZ8903000000000305806603
SWIFT: CEKO CZ PP

Candidate, along with the printed and signed application form, must send a certified copy of the transfer of finances payable to the institution. Application form will be registered only after payment of an administrative fee. The fee is not refundable. It is possible to study in multiple fields, however, a separate application and payment of administrative fee is required for each branch.

**ADDRESS**

Technical University of Liberec
Faculty of Textile Engineering
Studentská 2, 461 17 LIBEREC
CZECH REPUBLIC

CONTACT NUMBERS

Phone: +420 48 535 3258 (Head of Dean's Office)
+420 48 535 3452 (Dean's Secretary)
+420 48 535 3239 (Student's Affair Office)
Fax: +420 48 535 3542

www.ft.tul.cz

RESEARCH, DEVELOPMENT AND INNOVATION**NEW MATERIALS**

Utilization of new materials in field of apparel and technical textiles; development of composite structures containing inorganic fibres; nanoparticles and textile reinforcement; construction and evaluation of smart textiles

METROLOGY AND NEW METHODS OF QUALITY EVALUATION

Computer aided modelling of textile structures and properties; development of new method in comfort evaluation; quality evaluation of textile processes; automatic inspection of fabric defects.

**ADVANCED TEXTILE TECHNOLOGIES**

Development of new technologies for recent methods of textile material processing; finding of new sources of energy and modern transport media in textile processing; development of sensors suitable for use together with textile products; usage of optical fibres and materials with shape memory.

APPLICATION OF NANOTECHNOLOGIES

Integration of nanotechnologies in the industry; production and quality improvement of nanofibres and nanofibrous layers; preparation of scaffolds for biomedical applications, utilisation of nanoparticles for special effects. FT researchers invented machine Nanospider™ for mass production of nanofibres with cooperation of industrial partner.

DEPARTMENTS**Department of Textile Technologies**

- Modelling and optimization of spinning, weaving, knitting technologies
- Research of textile structures in modules: fibre—linear textiles—planar textiles
- Development of new types of 2D, 3D and hybrid textile structures for apparel and technical applications
- Development of software for prediction and optimization of the properties and visualization of yarns and fabrics

Department of Nonwovens and Nanofibrous Materials

- Development of systems for the production of nonwovens and fibrous layers
- Production of nanofibres by electrospinning technology
- Preparation of recipes for spinning of polymer solutions and melts
- Development of nanofibrous materials and nanocomposites for engineering and biomedical applications

Department of Clothing Technologies

- Modelling and optimization of clothing and apparel production, CAD systems applications
- Anthropometry, somatometric population survey, design of clothing constructions
- Assessment of the physiological properties of textiles, designing of clothing for improved comfort
- Development of electro—conductive structures for the barrier and Hi-tech clothing

Department of Material Engineering

- Research in the field of textile and special fibers, composite materials, textile chemistry, pretreatment, dyeing, printing, finishing
- Development of high-functional and smart textile structures
- Development of testing and metrology, statistical data treatment, chemical-textile analysis, measurement of colour and appearance

Department of Textile Evaluation

- Quality management of products and technological processes
- Evaluation of utility properties of textiles, optimization of textiles maintenance
- Development of methods and instruments for the assessment of comfort
- Development of textile structures with increased comfort, modelling of transport phenomena
- Knowledge of textile goods, textile marketing

Department of Design

- Creativity development in connection with searching for new directions in material processing in design
- Realisation of student's projects in textile technologies (weaving, printing, knitting), fashion, jewellery and glass workshops
- Presentation of works in Czech and foreign exhibitions and contests

KNOWLEDGE AND TECHNOLOGY TRANSFER

is integral part of scientific activities. Faculty offers expert consultant service. Organizes international conferences, specialized and thematically oriented seminars and workshops. Faculty cooperates with other universities, research institutions and production enterprises not only in ČR, but worldwide. Is member of:

AUTEX (Association of Universities for Textiles)
autex.ugent.be

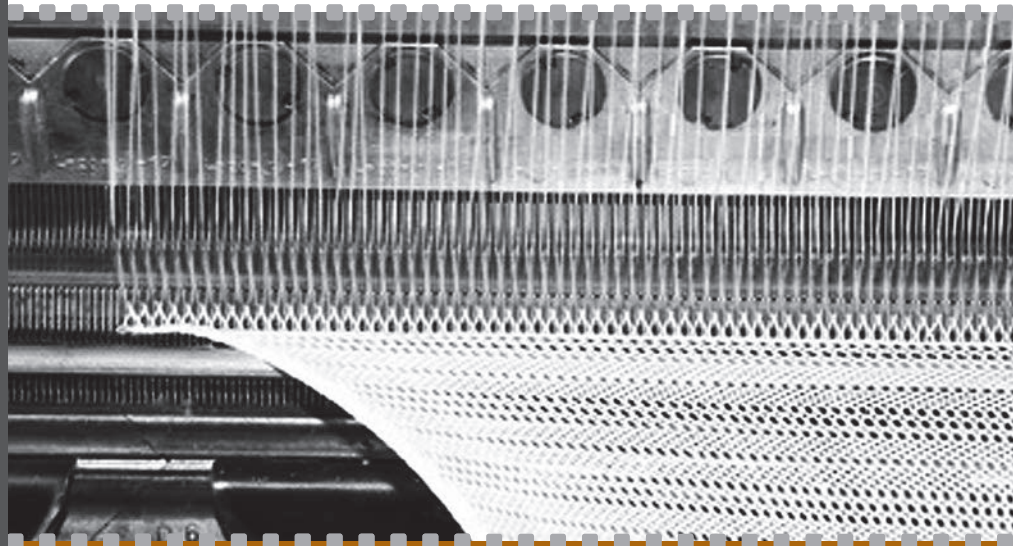
FEANI (European Federation of National Engineering Associations) www.feani.org

ATOK (Association of Textile-Clothing-Leather Industry)
www.atok.cz

CLUTEX (Cluster of Technical Textiles)
www.clutex.cz

ČTPT (Czech Technology Platform for Textile)
www.ctpt.cz

NANOPROGRES (Nanoprogress Cluster)
www.nanoprogress.cz



EUROPEAN
SOCIAL FUND IN THE
CZECH REPUBLIC



EUROPEAN UNION
MINISTRY OF EDUCATION,
YOUTH AND SPORTS



INVESTMENTS IN EDUCATION DEVELOPMENT

