

INTERNATIONAL PHD PROGRAMMES

2018

LITHUANIA

is known as a talented and ambitious European Union country at the crossroads between west and east Europe.

Kaunas, a lively student city, is the heart of Lithuania.

KAUNAS UNIVERSITY OF TECHNOLOGY OFFERS:

- Outstanding international PhD programmes that provide qualification to young researchers for career in science, academia, economy and society;
- PhD Summer School for development of the transferable skills and networking;
- Incentives and rewards for active KTU PhD students;
 - Modern laboratories at “Santaka” and “Nemunas” Valleys;
- Membership of KTU PhD Students Society that provides ample support and opportunities for international doctoral students;
- Start-up space to discover a potential of young entrepreneurs and encourage them to make their dreams come true.

DURATION:

4 years

A PROGRAMME

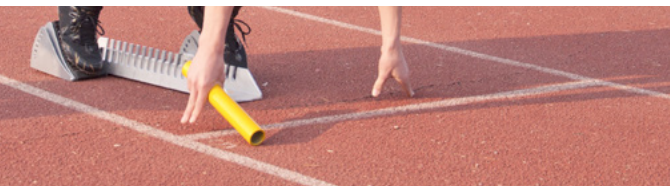
consists of

30

credits comprising

4-5

study modules (one of them taken abroad),
research,
preparation and defence of the doctoral thesis



SCHOLARSHIPS & FUNDING:

- KTU provides exemption of tuition fee for a period of up to 48 months!
- KTU provides scholarships from 4742 € to 5472 € per year;
- Additional scholarships available for very good results in studies and research;
- Grants for doctoral studies and research;
 - Grants for academic mobility.

IMPORTANT DATES*

Submission of applications – February – June 2018
Participation in the interview – end of June 2018
Study agreement – July 2018
Beginning of studies – 1 September 2018

* For information on admission to Political Sciences, Sociology, Education, and Transport Engineering see admissions.ktu.edu/phd or contact phd@ktu.lt

ADMISSION PROCEDURE

I

Fill in the Application form (apply.ktu.edu).

II

Upload the required documents:

- Copy of a passport or an ID card;
- Officially legalised diplomas of Bachelor's, Master's or equivalent higher education degree, including academic transcripts;
 - Curriculum Vitae;
- References by two academic referees in the field;
 - List of publications;
- Copies of publications or a research paper;
 - Research proposal (if required);
- Copy of the English language proficiency certificate (IELTS, TOEFL or equivalent):
IELTS ≥ 6.5 , TOEFL ≥ 90 , ECFR $\geq C1$;
- Copy of an application fee payment (non-refundable, 40 € for EU citizens, 100 € for non-EU citizens)
- Other relevant documents (e.g. certification of passed examinations at the doctoral studies' level, certifications of various courses, achievements, etc.)

III

Participate in the interview online or in person.

IV

Sign a study agreement.

PROGRAMMES

19

fields of science



Environmental Engineering (double degree programme with the University of Bologna)

Core research themes:

- Environmental technology, pollution control
- Civil engineering

Informatics Engineering

Core research themes:

- Systems engineering, computer technology
- Automation, robotics, control engineering
- Imaging, image processing
- Artificial intelligence

Materials Engineering (double degree programme with partners of the Physics and Chemistry of Advanced Materials Network)

Core research themes:

- Composite materials
- Polymer technology, biopolymers
- Textiles technology
- Coatings and surface treatment
- Optical materials
- Laser technology
- Material technology

Measurement Engineering (opportunity for a 3-year research internship in the United Kingdom)

Core research themes:

- Instrumentation technology
- Medical technology

Mechanical Engineering

Core research themes:

- Mechanical engineering, vibration, acoustic engineering
- Metal technology, metal products
- Production technology

Transport Engineering

Core research themes:

- Road transport technology
- Air transport technology
- Military science and technology

TECHNOLOGICAL SCIENCES

Chemical Engineering (double degree programme with the Technical University of Košice)

Core research themes:

- Chemical technology and engineering
- Polymer technology, biopolymers
- Food and drink technology
- Biotechnology
- Technology of other products

Civil Engineering

Core research themes:

- Building construction
- Material technology
- Thermal engineering, applied thermodynamics

Electrical and Electronic Engineering (double degree programme with the Miguel Hernandez University of Elche)

Core research themes:

- Electronics
- Signal processing
- Instrumentation technology

Energetics and Power Engineering

Core research themes:

- Sustainable energy
- Fundamental and applied research of transfer processes in thermal technologies
- The simulation and investigation of the smart grid technologies and regimes of the sustainable electric power systems



Double degree programmes with the Al-Farabi Kazakh National University in Technological and Physical Sciences

PHYSICAL SCIENCES

Chemistry (double degree programme with the National Polytechnic Institute of Toulouse)

Core research themes:

- Macromolecular chemistry
- Organic chemistry
- Inorganic chemistry

Informatics

Core research themes:

- Informatics, systems theory
- Artificial intelligence
- Computer science, numerical analysis, systems, control
- Statistics, operations research, programming, insurance mathematics

Physics (joint degree programme with the University of Southern Denmark; double degree programme with the Shizuoka University)

Core research themes:

- Condensed matter: structure, thermal and mechanical properties, crystallography, phase equilibria, electronic structure, electrical, magnetic and optical properties, superconductors, magnetic resonance, relaxation, spectroscopy
- Mathematical and general theoretical physics, quantum mechanics, relativity, gravitation, statistical physics, thermodynamics

SOCIAL SCIENCES

Economics

Core research themes:

- Economics of development
- Economics
- Financial science

Education

Core research themes:

- Pedagogy and didactics
- Physical training, motorial learning, sport
- Organisational science

Management

Core research themes:

- Management of enterprises
- Organisational science

Political Sciences

Core research themes:

Democracy and governance

Sociology

Core research themes:

Civil society and sustainable development

HUMANITIES

History and Theory of Arts

Core research themes:

- Musicology
- Architecture

Intensive PhD courses

Duration: 5–12 days

ECTS: 6–9

Language: English

CONTACT INFO:

Doctoral School
Kaunas University of Technology

K. Donelaičio str. 73, rooms 422 and 423,
LT-44249 Kaunas, Lithuania
Tel. +370 37 300042, + 370 626 22701
Email: phd@ktu.lt

admissions.ktu.edu/phd
Skype: ktu.phd