



Doctoral (PhD) Studies

2025

Energetics and Power Engineering

4 years

Joint PhD studies with the Lithuanian Energy Institute

The KTU Energetics and Power Engineering PhD programme is designed for young researchers who want to combine theory and practice to develop innovative and efficient technologies. Priority topics in this field of study include

sustainable energy, thermal engineering of transfer processes and smart technologies for power systems. Doctoral students study and work with state-of-the-art research equipment and participate in interdisciplinary projects.

RELEVANCE

The research carried out in KTU's Energetics and Power Engineering PhD programme focuses on solving global challenges to ensure sustainable energy use and reduce environmental impact. In the area of sustainable energy, efficient energy generation solutions are developed that combine renewable and fossil energy sources. Research into the thermal engineering of transfer processes contributes to the development of advanced industrial technologies for greater efficiency. Modelling of intelligent energy systems enables the development of sustainable and secure energy supply systems. These studies contribute to the modernisation of the energy sector to meet the needs of society and industry.

CAREER OPPORTUNITIES

KTU PhD students have the opportunity to conduct high-level research both nationally and internationally. The programme provides access to a unique research infrastructure and international projects, enabling the development of skills and contacts with global energy institutions. Graduates become researchers capable of innovating and solving complex challenges in sustainable energy and thermal engineering.

MAIN RESEARCH AREAS

- | Energy research
- | Nuclear engineering and technology
- | Thermal engineering, applied thermodynamics

[MORE ON DOCTORAL STUDIES IN ENERGETICS AND POWER ENGINEERING](#)



FINANCIAL BENEFITS

- | Scholarships from €1,330 per month
- | Up to €2,500 for study and research
- | Up to €2,500 to present research results at international conferences
- | Erasmus+ funded research at institutions abroad for up to 1 year
- | Up to €2,100 per year from the Research Council of Lithuania for participation in events abroad
- | Up to €900 per year as a one-off KTU scholarship for high academic achievement and scientific activity
- | Up to €6,720 per year Research Council of Lithuania scholarship for academic achievement

KEY BENEFITS

- | Opportunity to obtain a European Doctorate Certificate with your diploma
- | University-funded development of skills such as science communication, project management, research ethics and others
- | Paid project activities

ADDITIONAL BENEFITS

- | Opportunities to gain teaching experience
- | Presentation of research results in science dissemination activities
- | Paid contracts with industry

[ADMISSION REQUIREMENTS](#)

[DATES AND DEADLINES](#)

