



# Doctoral Studies



## Mathematics 4 years

**Doctoral studies with the participation of Charles University in Prague (Czech Republic) and Georg-August University of Göttingen (Germany)**

Doctoral Studies in Mathematics at KTU are for those who wish to become highly qualified researchers, able to carry out original research and contribute to the advancement of mathematical science. It covers a wide range of

mathematical areas such as differential equations, financial mathematics, biomedical systems modelling and more. Applicants can choose their research areas according to their personal interests and research goals.

### RELEVANCE

These studies and research focus on cutting-edge developments in the mathematical sciences and their practical application in a wide range of fields. The programme covers the latest theories and methods for solving complex problems and developing innovative solutions in finance, health, engineering and other fields. In addition, KTU offers the opportunity to work with cutting-edge technologies and to contribute to international projects, ensuring the applicability of research to practice.

### CAREER OPPORTUNITIES

KTU PhD students and graduates can make a great start as lecturers or researchers in universities, work in international research groups and contribute to cutting-edge research.

### MAIN RESEARCH AREAS

- | Statistics, operations research, programming, prohibition mathematics
- | Computer science, numerical analysis, systems, management
- | Computer science, systems theory



**MORE ON DOCTORAL STUDIES  
IN MATHEMATICS**



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## FINANCIAL BENEFITS

- | Scholarships from €1,406 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 €2,200 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 €7,104 per year Research Council of Lithuania scholarship for academic achievement

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## MAIN 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

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## ADDITIONAL BENEFITS

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



**ADMISSION REQUIREMENTS**

