



**TAL  
TECH**

**TALLINN UNIVERSITY OF TECHNOLOGY**

# TALTECH

- School of IT
- School of Engineering
- School of Science
- School of Business and Governance
- Estonian Maritime Academy



**TAL  
TECH**

**SCHOOL OF IT**

# SCHOOL OF IT

- 4 departments and 1 college:
  - Departments of Computer Systems, Software Science, Health Technologies, and Electronics
  - IT College (center of studies)
- Study processes are managed by Dean's Office
- Ca. 370 staff members, of what 232 academic
  - incl. 24 professor and 65 junior researchers (total 108 PhD students)
- The School revenue is ca. 60% research and 40% teaching.
  - In Estonia the higher education is financed only by the government and there are no means to attract additional revenue for traditional study programs

# MSc PROGRAMS

- Classical IT and EE programs

- Informatics
- Business Information Technology
- Software Engineering\*
- Mobile Networks and Services
- Embedded Systems
- Medical Technology and Physics

All together ca. 1000 MSc students

- Digital Transformation

- Analysis and Design of Information Systems
- Digital Transformation in Business

- E-Estonia

- Cybersecurity\*
- Digital Health\*
- E-Governance Technologies and Services\*

\* In English



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**RESEARCH AND DEVELOPMENT**

# SCHOOL OF IT FOCUS AREAS

- Security and trust
  - cyber security, trustworthy software, quantum software, systems safety, secure and reliable hardware systems
- Digital transformation of the society
  - e-governance technologies, digital health, language technologies
- Smart environments
  - 5G/6G, IoT, (bio)robotics, intelligent electronic systems

# SCHOOL OF IT FLAGSHIP INITIATIVES

- (Gov)AILab
- Digital Health Competence Center
- Secure 5G based Demo Campus
- IoT Competence Center
- Centre for Biorobotics
- Language Technologies Lab
- Centre for Digital Forensics and Cyber Security
- Dependable Software Lab
- Centre for Explainable Trustworthy AI (under preparation)





## **Msc e-Governance Technologies and Services**

2 year international study program in English



**WE ARE EDUCATING  
FUTURE LEADERS AND  
EXPERTS OF DIGITAL  
TRANSFORMATION IN  
OUR SOCIETY AND  
ORGANIZATIONS**

**<https://egov.ee/>**

- **e-Governance is not only technology** but also innovation, policy, legal and fiscal frameworks, management and economy, which needs to be linked into the educational platform!

- **e-Governance Services and Technologies** master's program brings together science, practices and knowledge in these fields and trains specialists in e-Governance who are much needed internationally

# START

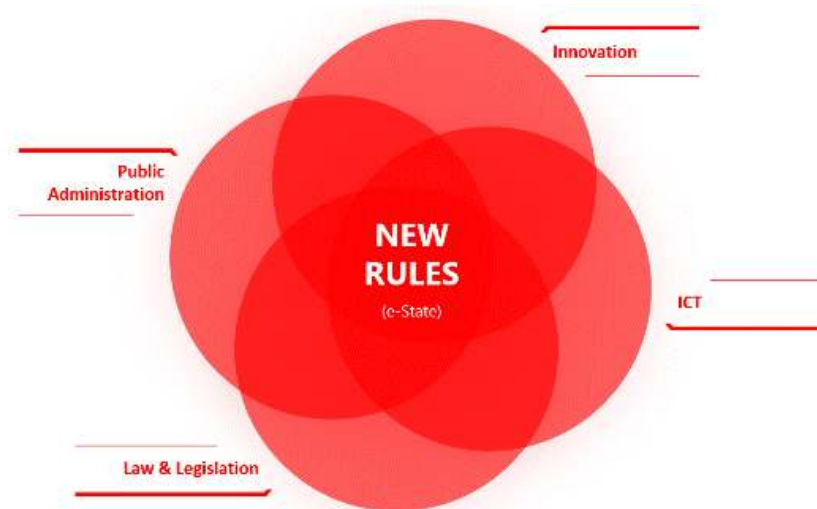
- The curriculum was developed in **2011-2012** in order to teach and train specialists who will be able to analyse, build and lead e-governance projects in public and private sectors
- **Core of the study program was brainstormed together with experts from** e-Governance Academy, State Information System Authority, Ministry of Economic Affairs and Communications, Baltic Computer Systems and many others



# Master's program in brief

Students will be given a broad knowledge in development of a modern state:

- The transition into e-governance, its management and development
- Studies include a wider overview of ICT, administrative, legal and cyber security aspects of e-governance

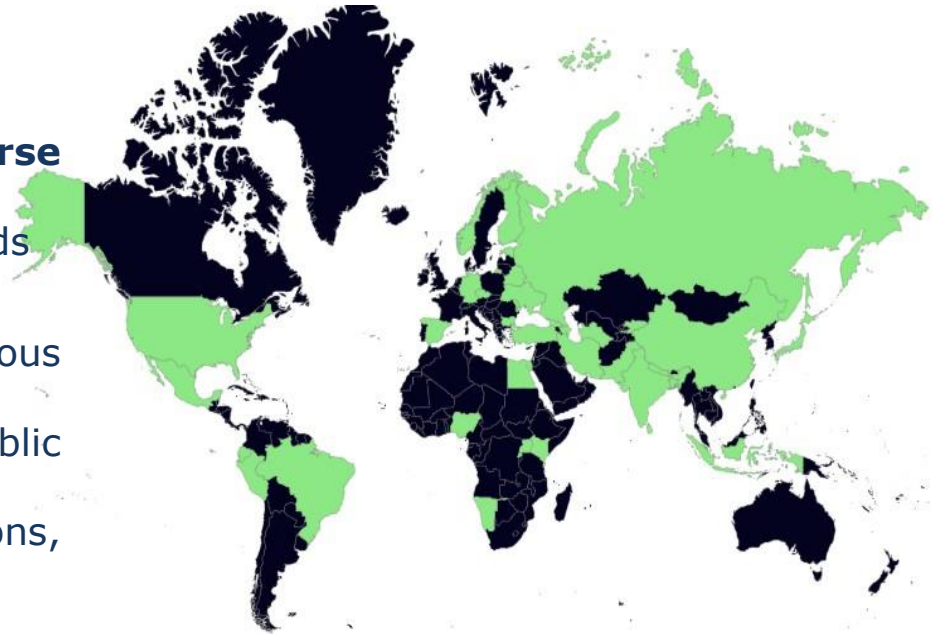


# What we offer for students

- students can familiarize with digital solutions and get insight and access to Estonian world-class know how
- hands-on collaboration with practitioners in the e-Governance field along the possibility to meet and cooperate with experienced lectures and experts both from private and public sector - participation in workshops with representatives from Estonian e-Governance Academy, ITL cluster and MKM
- cooperation closely related to the **Next Gen research group** offering students a possibility to do research in e-governance field as well as take part in new development projects

# OUR STUDENTS

- **284** students from more than **50 diverse countries with different cultural** backgrounds
- Students have a professional background various domains e.g. economics, law, public administration, IT, international relations, marketing etc.
- Many graduates are currently working as officials in the public sector, leading their projects or start-ups



# Our lecturers

- **Professors from Taltech** have broad experiences through academic activities from ICT field as well as from all the other domains that contribute to the development of the e-governance
- **Experts from private and public sector** with practical experience from the field (e-Governance Academy, State Agencies, Estonian Association of Information Technologies and Communication, Nortal, Interinx, Ernst & Young, PwC etc.)



# Numerous scholarships available

- TalTech scholarship waivers (OECD countries and EU member states)
- DoRa scholarships
- Smart Specialization scholarship by Ministry of Research and Education
- Performance based scholarship (based on study results after 1<sup>st</sup> semester)

# Cooperation/Possible internship

- Cooperation between different state agencies has been established enabling students' perspectives for Master's thesis and possible input for future doctoral studies
- Master's thesis writing and internship opportunities closely related to our **Next Gen Digital State** Research group <https://egov.ee/nextgen-group/>



# 174+ ALUMNI

## 34 + PUBLISHED MASTER'S THESIS

Our graduates are successful **Digital State theorists and practitioners** who have cooperated with diverse organizations both from private and public sector. They have:

- founded e-Residency program
- came up with innovative solutions for the Covid-19 by developing Estonian Coronavirus statistical visualization service, known as <https://koroona kaart.ee/en>
- managed GovAiLab that focuses on helping public sector authorities experiment with new technological solutions that are meant to assist them achieve their goals
- advised local governments in home countries on digitalizing governmental services (and introduced Estonian eID in the EU)
- created digital transformation supported solutions in the public and private sector
- built innovative and secure software solutions

## ALUMNI CAREERS



- **Taavi Kotka** - former Chief information officer of the Estonian Government, **father of e-residency program**
- **Dr. Keegan McBride** – Post-doctoral researcher at the Center of Digital Governance, Oxford Internet Institute, University of Oxford
- **Florian Lemke** – **Senior Consultant** to German Regional and Federal Government on Digital Transformation at Capgemini; **lecturer** in e-Governance at the Berlin School of Economics and Law
- **Karoline Paide** - **Chief Expert** at the Estonian Police and Border Guard Board, Development department, Identity and Status Bureau
- **Bogdan Kelichavyi** - Ukrainian city of Kopychyntsi **mayor**
- **Oskar Poola** – LeverID Chief Technology Officer
- **Tamar Maglakelidze** - e-Governance Analyst at Municipal Service Development Agency of Tbilisi City Hall

# Admission period

<b>1 February 2023 - 1 April 2023</b>	<b>Application deadline for non-EU citizens</b>
1 February 2022 - 1 May 2023	Application deadline for citizens from OECD member states, Ukraine, Georgia and non-EU candidates who are residing in Estonia on a legal basis*
1 February 2023 - 1 June 2023	Application deadline for citizens from EU/EEA countries and Ukraine
1 February 2023 - 1 August 2023	Application deadline for Finnish, Latvian and Lithuanian citizens applying for programmes of the <a href="#">School of Business and Governance</a> , except for Technology Governance and Digital Transformation.
<b>4 September 2023</b>	<b>Beginning of 2023/2024 studies and new academic year</b>

# Important admission links

- <https://taltech.ee/en/apply>
- <https://taltech.ee/en/e-governance#p1816>
- <https://estonia.dreamapply.com/courses/course/277-msc-egovernance-technologies-and-services>

# Projects

## Knowledge transfer of e-Governance

- Poland
- Ukraine
- Kazakhstan
- Azerbaijan
- Georgia
- African Union etc



# SUMMER AND WINTER SCHOOLS

## SECURE E-GOVERNANCE (ONLINE)

- During the six-day e-School participants will be organized into teams and handed a e-governance related problem that they will be working on until the final pitching day. Besides teamwork, each day will consist of lectures related to building digital services in e-governance ecosystem
- Aim of the program is to focus on the technological complexities of how governments can satisfy the current and future needs of their citizens.  
One of the main tenet's of the program is that entrepreneurial spirit is a very important societal aspect in the whole governance eco-system

[HTTPS://TALTECH.EE/EN/SUMMERSCHOOLS-WINTER-E-GOVERNANCE](https://taltech.ee/en/summerschools-winter-e-governance)



## Contact details

<https://egov.ee/msc-egov-technologies-services/>

[www.facebook.com/Egoverntech/](http://www.facebook.com/Egoverntech/)

**Contact us to find out more:**

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**LET'S BUILD DIGITAL FUTURE  
TOGETHER!**

**TALLINN UNIVERSITY OF TECHNOLOGY**

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**[taltech.ee](http://taltech.ee)**