



TALLINN UNIVERSITY OF  
TECHNOLOGY

# Overview of TTÜ

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# Tallinn University of Technology



TTÜ is a public university, founded in 1918, ranked in top 3% of the global universities.

*Source: QS and T.H.E. TTÜ holds approximately the 650th position among over 22,000 assessed universities.*

study programmes  
opened for admission

**89**

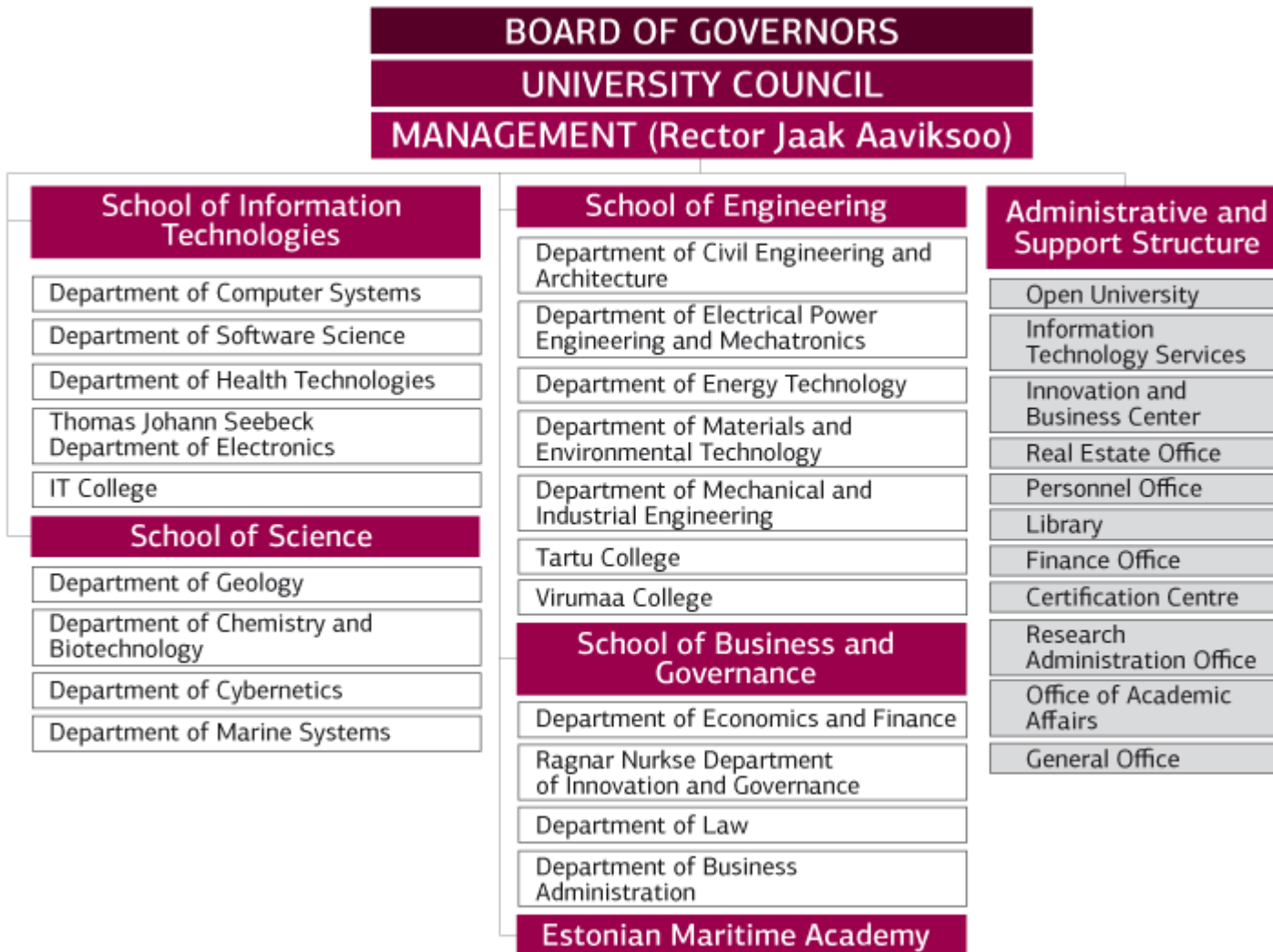


of them  
international

**31**



# TTÜ structure as of 2017

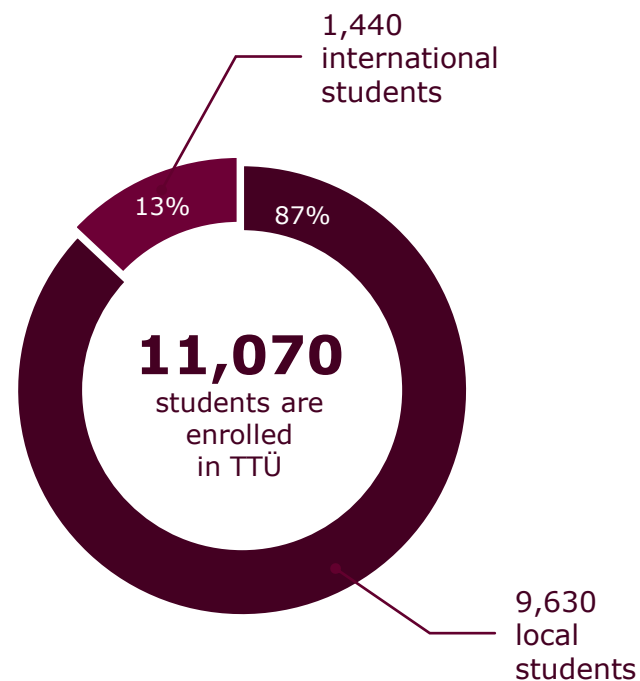
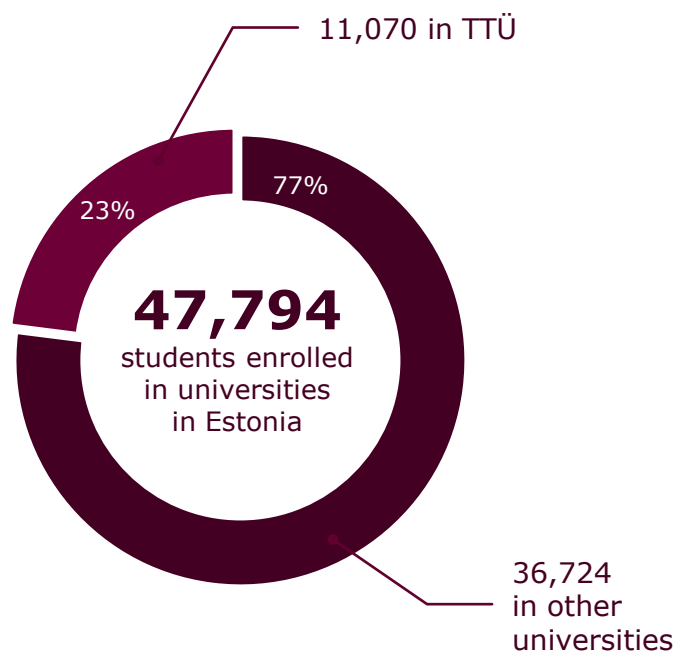



# Students



1,037 persons participated in in-service training.

3,749 persons started an open studies programme.





# 34% of all international students in Estonia attend TTÜ.

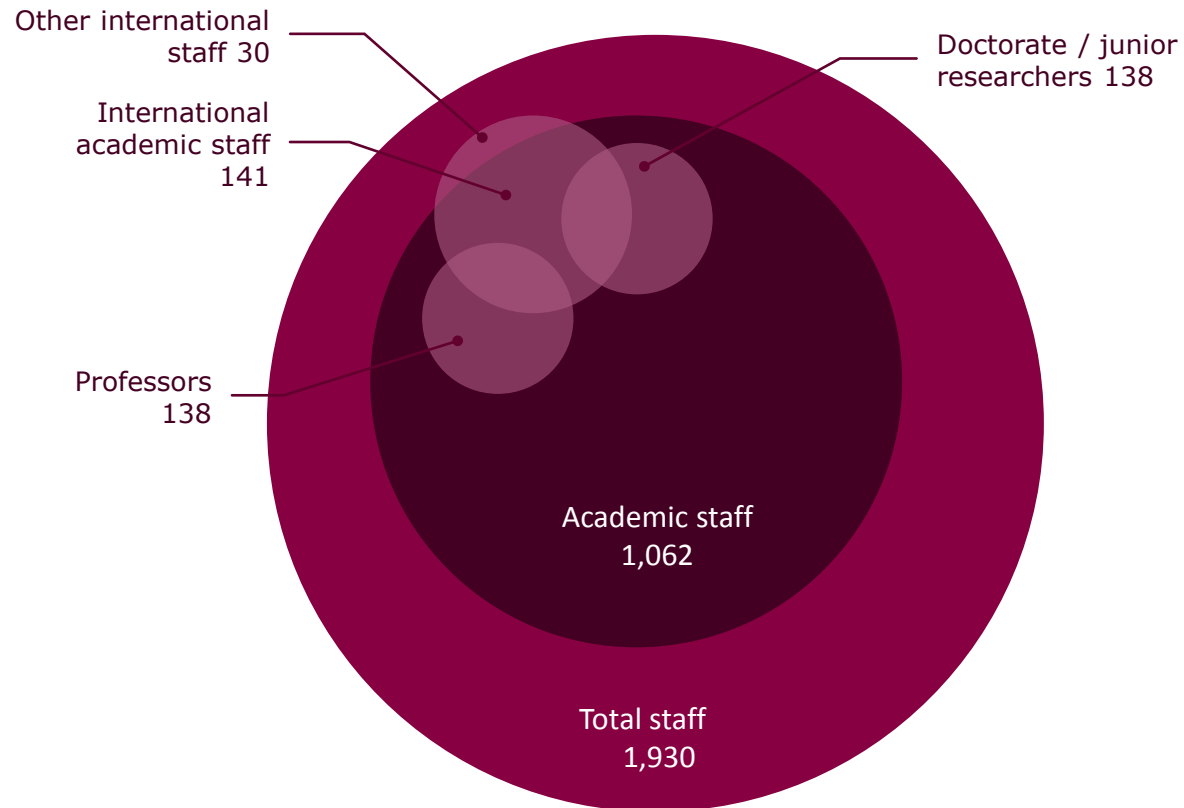


International students from 91 countries

TOP10 home countries of TTÜ international students:

Finland	424	Turkey	83
Georgia	106	Russia	66
Nigeria	106	China	45
India	98	Pakistan	40
Ukraine	92	Iran	39

# Staff



Average age



Different nationalities



**49.9%**

Female staff







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# Development of Study Programmes

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# Study Fields and Programmes in 2017/18

## **Admission in 9 study programme groups:**

- Engineering, Manufacturing and Technology
- IT
- Architecture and Building
- Transport Services
- Business and Administration
- Physical Sciences
- Life Sciences
- Law
- Social Sciences

## **to 89 programmes, including**

- 20 Bachelor's
- 11 Professional HE      *31 programmes in English*
- 44 Master's
- 4 BA+MA integrated
- 10 PhD



# Reforming Study Programmes in 2016-2018

Demographic situation

- Institutional Accreditation
- Performance Contract with the government (MoER)
- TTÜ Strategy 2020
- Purpose: to enhance the effectiveness of study programmes:
  - enough students,
  - cost-effective,
  - research based,
  - needs of society and labour market
  - interdisciplinary, broad 1st cycle programmes
- Working groups incl different stakeholders-> proposals to university
- **After the revision:**
  - 1st cycle – 35 programmes instead of 49
  - 2nd cycle – 40-45 programmes instead of 44



# Management of Study Programmes

- **Head of the Study Programme (PD) is in charge of:**
  - the development, quality, and teaching of the programme
  - analysing feedback from all stakeholders
  - internal and external evaluations
- **Programme Advisory Committee**
  - provides advice to PD
  - most important representatives of the stakeholders from outside the university (employers, professional associations), students, teaching staff
  - stakeholders from outside the university and students - the majority
  - chairperson among the stakeholders from outside the university
- **Central Support to Programme Development**
  - Network of PDs, centrally coordinated meetings, seminars, trainings
  - Manuals, guidelines, web-page, lists for PDs
  - Counselling
  - Supervision



# Internal Assessment of Study Programme

- A systematic and regular process of reviewing 5 areas to identify the strengths and areas that require improvement:
  - Study programme and its development
  - Resources (study environment)
  - Teaching and learning (study process)
  - Teaching staff
  - Students
- Tool for self-evaluation of study programme for PD (pre-filled at SIS)
  - Performance indicators (no of students, int students, admission, drop-outs etc)
  - Feedback results & data from different stakeholders (incl students, graduates, alumni, employers, external reviews)
  - At least once in every 3 years
  - Self-evaluation tool

# External Quality Assurance (1st&2nd cycles of HE)



- Institutional accreditation (2014)
  - 7 years
- Quality Assessment of Study Programme Group (2014-2017)
  - Engineering, Manufacturing and Technology – 7 years
  - IT – 7 years
  - Architecture and Building – 7 years + secondary condition
  - Transport Services – 4 years
  - Business and Administration – 7 years
  - Physical Sciences – 7 years + secondary condition
  - Life Sciences – 7 years
  - Law – 7 years
  - Social Sciences – 7 years + secondary condition
- Initial Assessment of Study Programme Group
  - Master of Architecture





# Assessment of Study Programme Groups – Process

- Preparation of self-evaluation report
  - Support from EKKA (trainings, counselling)
  - Approximately 6 months before submitting it to EKKA
  - Central coordination and support from the Office of Academic Affairs
  - Study programme group level coordination at school/ department - responsible for gathering, analysing data, completing the report
  - Programme Directors – responsible for their programme self-assessment to the self-evaluation report
  - Meetings, agreement on schedule, mid-deadlines
  - Submitting report to EKKA 3 months before site visit
- Assessment committee visit
- Assessment report (draft, final)
- Decision by EKKA
- Follow-up Activities



# Follow-up Activities

*Responsibility for resolving the problems pointed out in assessment reports and for continuous improvement activities lies with the higher education institutions!*

- In house informing about the results
  - Overviews at info seminars, meetings with staff
- Analysing the results (PD, PC, units)
- Planning improvement activities
  - Submitting an action plan to EKKA
- Implementing improvement activities
- After 3 years -> internal evaluation



# Some examples of feedback from external assessments

- **Areas of improvement**

- More strategic approach to study programme development, and reducing the number of 1 cycle programmes needed -> reforms, conception of PDs and PCs
- Reducing and predicting dropouts -> study analytics project
- Workload of teaching staff is too high
- The level of English of the teaching staff -> language policy
- Library opening hours -> widened, a room for 24/7
- There is a need to clarify the learning outcomes -> revision of all programmes
- Mobility of students

- **Good practices:**

- Motivated students
- Programmes respond to industrial needs
- Campus
- Well equipped labs
- Internationalisation
- Some programmes regularly attend international accreditations of the specific fields



# Collecting and Analysing Data for External Assessments

Some statistical tools

- Study Information System (SIS)
- [Educational Eye](#) (Estonian Education Information System)
- [Estonian Research Information System](#)

Feedback from different stakeholders

- Students
- Graduating students
- Alumni
- Employers



# Student Feedback in SIS

According to

"Procedure for requesting and taking into account feedback on teaching and courses"

a student **can provide feedback on all the courses** for which he/she has registered and on the organisation of studies

student **is required** to give feedback on **at least four courses** (in case of a PhD student on one course)





# **Feedback questionnaire in SIS**

## **10 Questions** about the lecturer and the course

1. The methods (teaching methods and aids) used were relevant
2. The lecturer was well-disposed (polite, kind, attentive, etc.) towards the students
3. I found the organisation of the subject easy to comprehend
4. The study materials were well-suited for acquiring the subject
5. Stationary study took place according to schedule
6. The volume of independent work was reasonable
7. The lecturer made sure the students were not cheating
8. The evaluation was based on the listed evaluation criteria
9. Completing the course resulted in the learning outcomes presented in the course description for me
10. All in all, I was satisfied with the lecturer

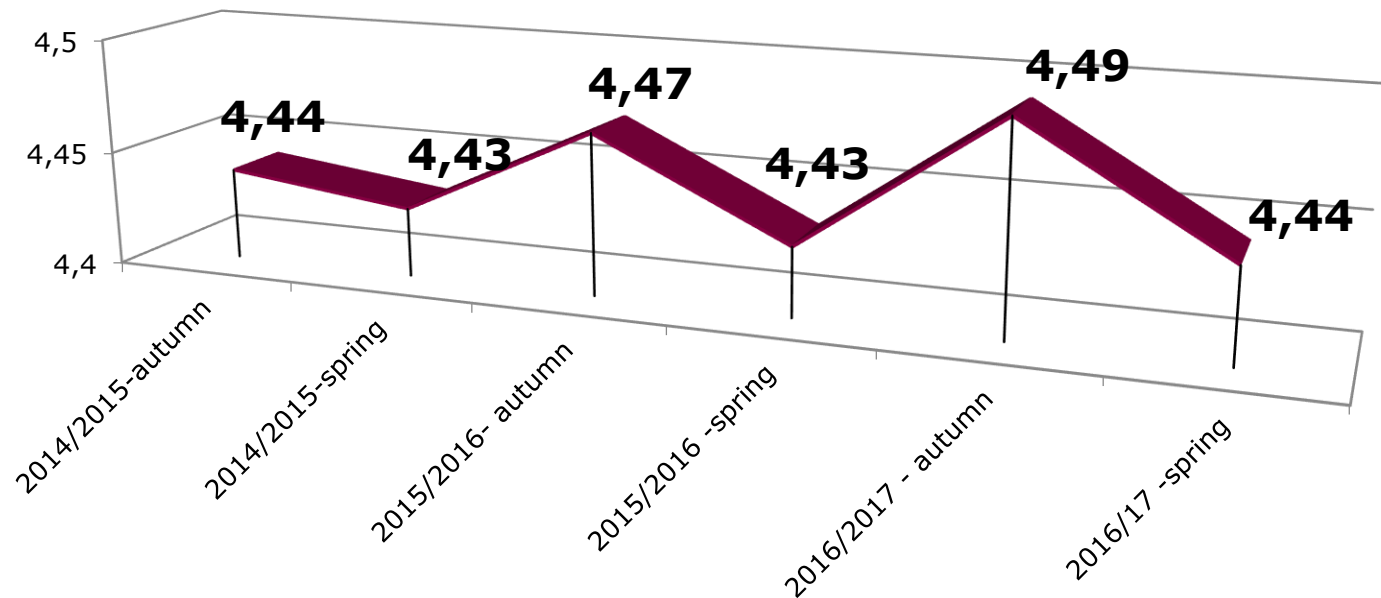
### **Answer - Grade/numerical score:**

- 1- Completely disagree
- 2- Mostly disagree
- 3- Neutral
- 4- Mostly agree
- 5 - Completely agree

**+ field for comments**

# Students' satisfaction with teaching and courses, average scores (weighted mean values)

Period: 2014/2015 Autumn – 2016/2017 Spring





# Implementation of the results of feedback on teaching and courses

- The results of the feedback surveys are taken into account upon **assessment and development of the study programmes** incl. courses, teaching and support systems.
- The faculties are **analysing the results** of feedback surveys and prepare a **feedback report** and an **action plan** on the basis of the feedback results' analysis.

The study programme director is responsible for implementation of the actions planned.

Feedback reports are available in TTÜ Intranet.



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THANK YOU!

QUESTIONS? COMMENTS?

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