Opportunities for BSc, MSc and PhD students, and postdocs

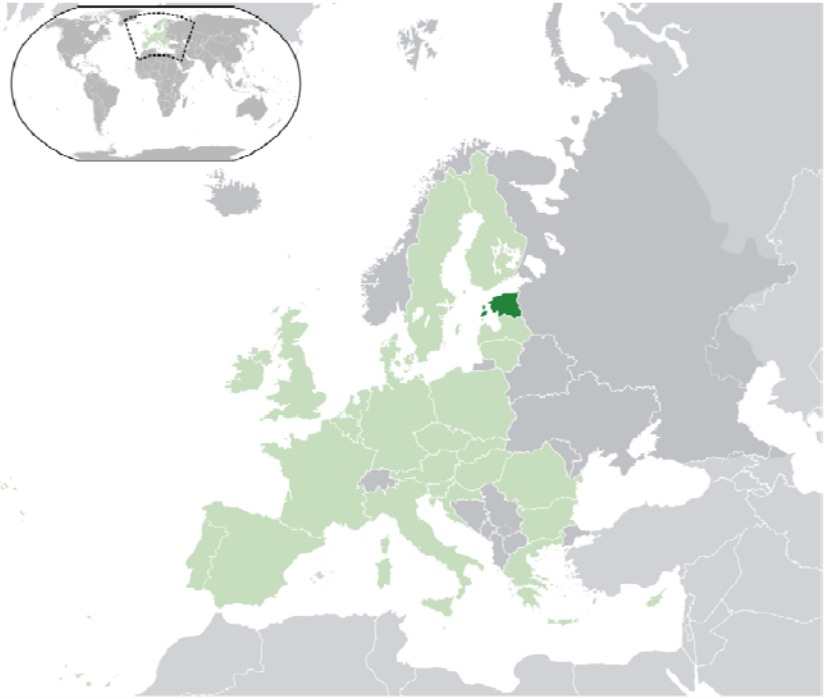
Yannick Le Moullec

22 March 2015

TAIPEI TECH 國立臺北科技大學 NATIONAL TAIPEI UNIVERSITY OF TECHNOLOGY

1918 TALLINNA TEHNIKAÜLIKOOL TALLINN UNIVERSITY OF TECHNOLOGY

Estonia



Estonia

- Ca. 1.3 million inhabitants (Taiwan: ca. 23,4 million)
- 45227 km^2 (Taiwan: 36193 km^2)
- Ca. 50% forest
- Over 1500 islands (most of them tiny, wildlife and birds only)

Tallinn

Gävle
Turku
Salo
Hyvinkää
Kotka
Vyborg
(Выборг)
Lohja
Espoo
Helsinki
Uppsala
Täby
Stockholm
Södertälje
Narva
Sankt-Peterbu
(Санкт-Петербур
Moskovskiy
rayon
(Московский
р-н)
Eesti
380 km
80 km
315 km
Riga, 310 km
Vilnius, 600 km

Tallinn

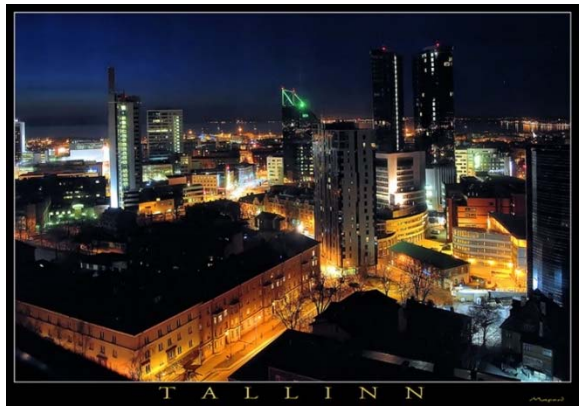
Ca. 435000 inhabitants

UNESCO World Heritage List
Historic Centre (Old Town) of Tallinn
The origins of Tallinn date back to the 13th century, when a castle was built there by the crusading knights of the Teutonic Order. It developed as a major centre of the Hanseatic League, and its wealth is demonstrated by the opulence of the public buildings (the churches in particular) and the domestic architecture of the merchants' houses, which have survived to a remarkable degree despite the ravages of fire and war in the intervening centuries.

塔林历史中心（老城）
塔林的起源可追溯到13世纪，当时的条顿骑士团的十字军骑士们在这里建造了一个城堡， 后来，这里又发展成为汉斯同盟(Hanseatic League)的主要中心。在后来的几个世纪，这里屡遭战火，但许多建筑还是较为完好地保留了下来，公共建筑（特别是教堂）之豪华以及商店内部装璜之考究充分展示了当时这里的繁荣和富裕。

source: UNESCO/ERI

Tallinn



Source: Tripadvisor.com

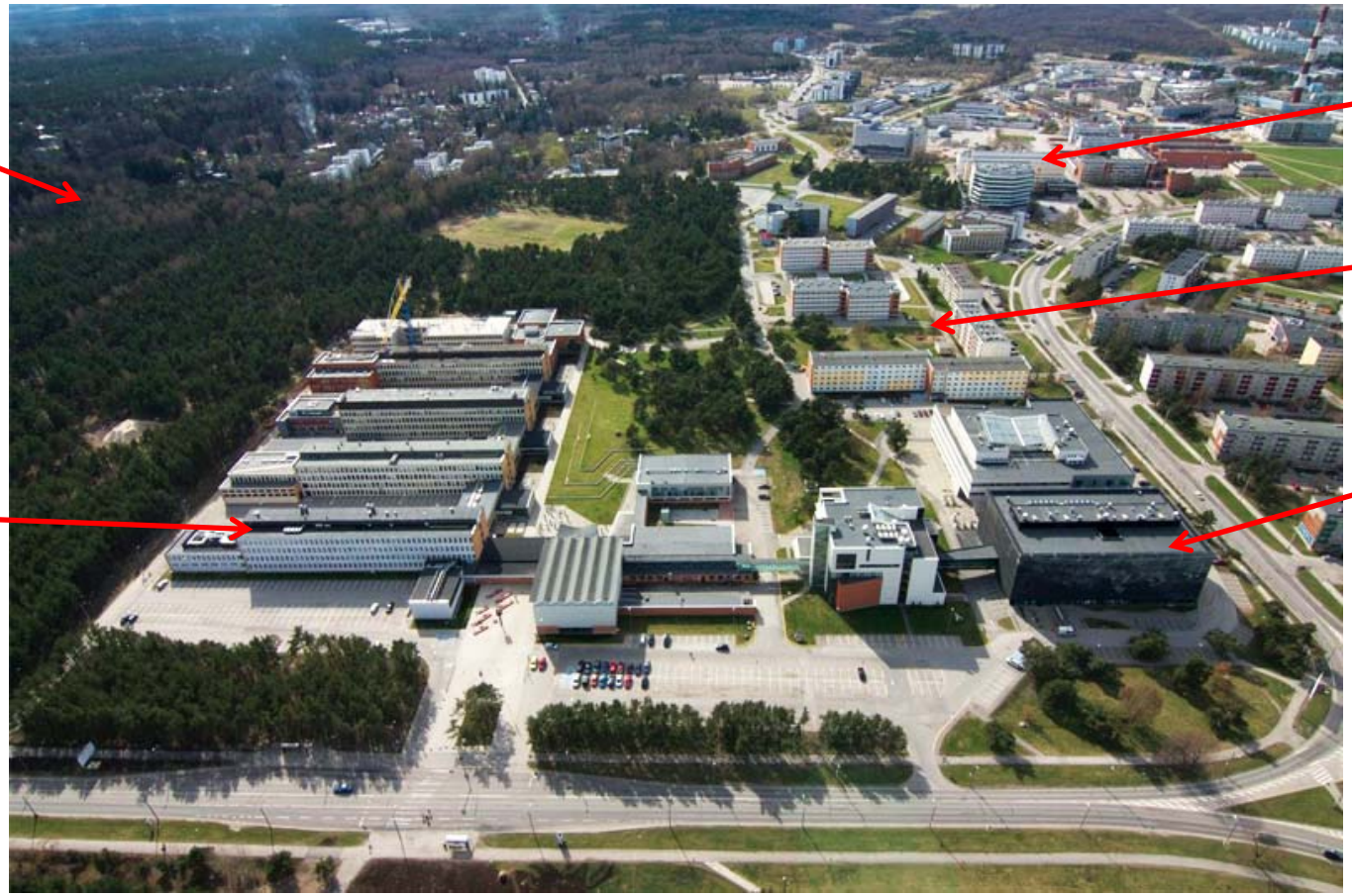
Tallinn University of Technology

- Public university
- Established in 1918
- 13 500 students
- 1170 international degree and exchange students
- 65 000 alumni members
- Campus university
- 72 buildings (55,5 ha)
- 2 000 employees
- 133 professorships

Tallinn University of Technology

Video: TTU Your Guide to the Top

Tallinn University of Technology



Tallinn University of Technology

More photos of the campus: http://www.ttu.ee/public/u/ulikool/Tutvustus/Campus/lehitseja/index.html#p=1

Some (Limited) Information in Chinese

tut.ee/cn/

Chinese speaking project manager

Siyi Ma
Manager of Asian Affairs

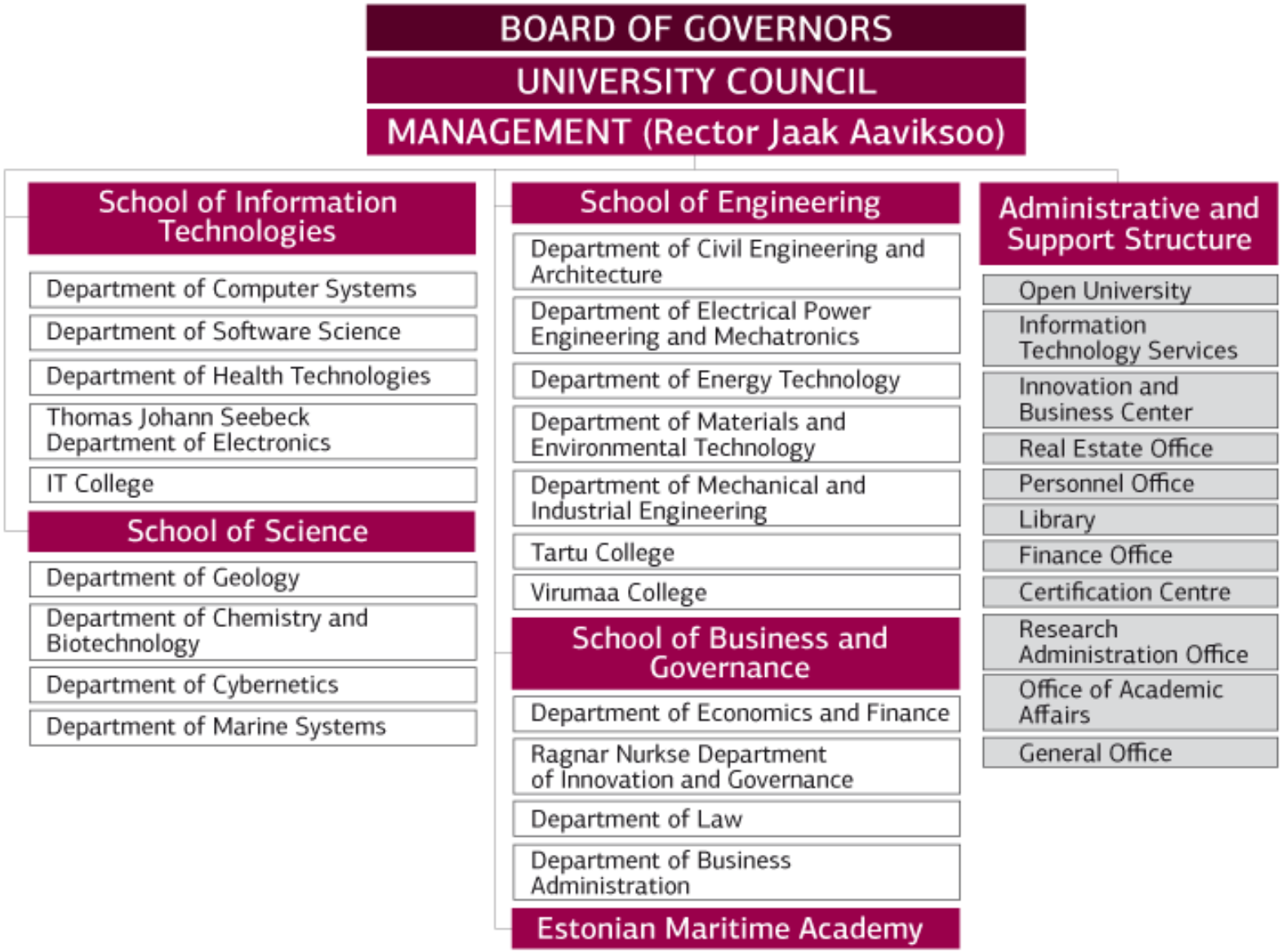
International students' admissions

Recruitment of students for International Degree Programs at TUT
Advising international students on all matters related to their studies at TUT and life in Tallinn

Participation in international projects

Phone: +372 620 3422
E-mail: siyi.ma@ttu.ee

Tallinn University of Technology



School of Information Technologies

Prof. Toomas Rang and PhD student Jana Toompuu
(Semiconductor materials, structures and technologies)

Senior Researcher Raul Land
(Impedance and Bio-impedance)

Prof. Jaan Raik
(Verification, reliability)

Prof. Thomas Hollstein
(Embedded Systems)

Students in one of the electronics labs
(Mektory)

Programs in English (for **degree** seeking students)

https://www.ttu.ee/?id=34809

Study Programmes in English

School of Information Technologies

Bachelor's programmes:

- Cyber Security Engineering (BSc)

Master's programmes:

- Cyber Security (MSc) (joint programme with University of Tartu)
- Communicative Electronics (MSc)
- Computer and Systems Engineering (MSc)
- E-Governance Technologies and Services (MSc)
- Health Care Technology (MSc)
- Software Engineering (MSc) (joint programme with University of Tartu)
  * Admission is managed by the University of Tartu, please apply directly to the University of Tartu

School of Business and Governance

Bachelor's programmes:

- International Business Administration (BA)
- International Relations (separate major within Law programme)
- Law (BA)

Master's programmes:

- International Business Administration (MBA)
- International Relations and European-Asian Studies (MA)
- Law (MA)
- Technology Governance (MA)
- Public Sector Innovation and e-governance (MSc) (joint programme with University of Leuven and University of Münster)
  * Admission is managed by the University of Leuven, please apply directly to the University of Leuven

School of Engineering

Bachelor's programmes:

- Integrated Engineering (BSc)

Master's programmes:

- Industrial Engineering and Management (MSc)
- Environmental Engineering and Management (MSc)
- Design and Engineering (MSc) (joint programme with Estonian Academy of Arts)
- Materials and Processes for Sustainable Energetics (MSc) (joint programme with University of Tartu)
- The Technology of Wood and Plastic (MSc)
- Mechatronics (MSc)
- European Architecture (MSc & M.ARCH)

School of Science

Master's programmes:

- Engineering Physics (MSc)

English Language Requirements (for **degree** seeking students)

https://www.ttu.ee/?id=103508

•**IELTS** (Academic)- a minimum overall grade of 5.5, with 5.5 or above in each element.
Please note that IELTS test score is valid 2 years only and older tests are not accepted.
•**TOEFL** (iBT)- a minimum overall score 72, with listening 17 or above, reading 18 or above, speaking 20 or above, writing 17 or above.
Test result must be sent directly to Tallinn University of Technology by the Educational Service. TOEFL institutional code for Tallinn University of Technology is 8665.
Please note that TOEFL iBT test score is valid 2 years only and older tests are not
•**Cambridge First Certificate in English** (FCE)- grade A or B.
Candidates presenting Cambridge English tests should indicate their ID number (3 e.g. EPA123456) and secret number (4 digits) in the application form. These numbers their confirmation of entry for the Cambridge exam. If candidates don' t know these should contact their centre.
•**Cambridge Certificate of Advanced English** (CAE)- grade A, B or C.
Candidates presenting Cambridge English tests should indicate their ID number (3 e.g. EPA123456) and secret number (4 digits) in the application form. These numbers their confirmation of entry for the Cambridge exam. If candidates don' t know these should contact their centre.
•**Cambridge Certificate of Proficiency in English** (CPE)- grade A, B or C.
Candidates presenting Cambridge English tests should indicate their ID number (3 e.g. EPA123456) and secret number (4 digits) in the application form. These numbers their confirmation of entry for the Cambridge exam. If candidates don' t know these should contact their centre.

English Language Requirements (for **degree** seeking students)

https://www.ttu.ee/?id=103508

•**Finnish *ylioppilastutkinto* In English**, long course – graded at least *cum laude approbatur* or **lukion päätötodistus, course in English** for at least *hyvä (8)*.
•**Caribbean Examinations Council Secondary Education State Exam in English** language for the result of 2 (very good) or above.
•Secondary Education State Exams in English language for the minimum of following countires: Denmark, Belgium, Sweden, Norway, Netherlands, Luxembourg.

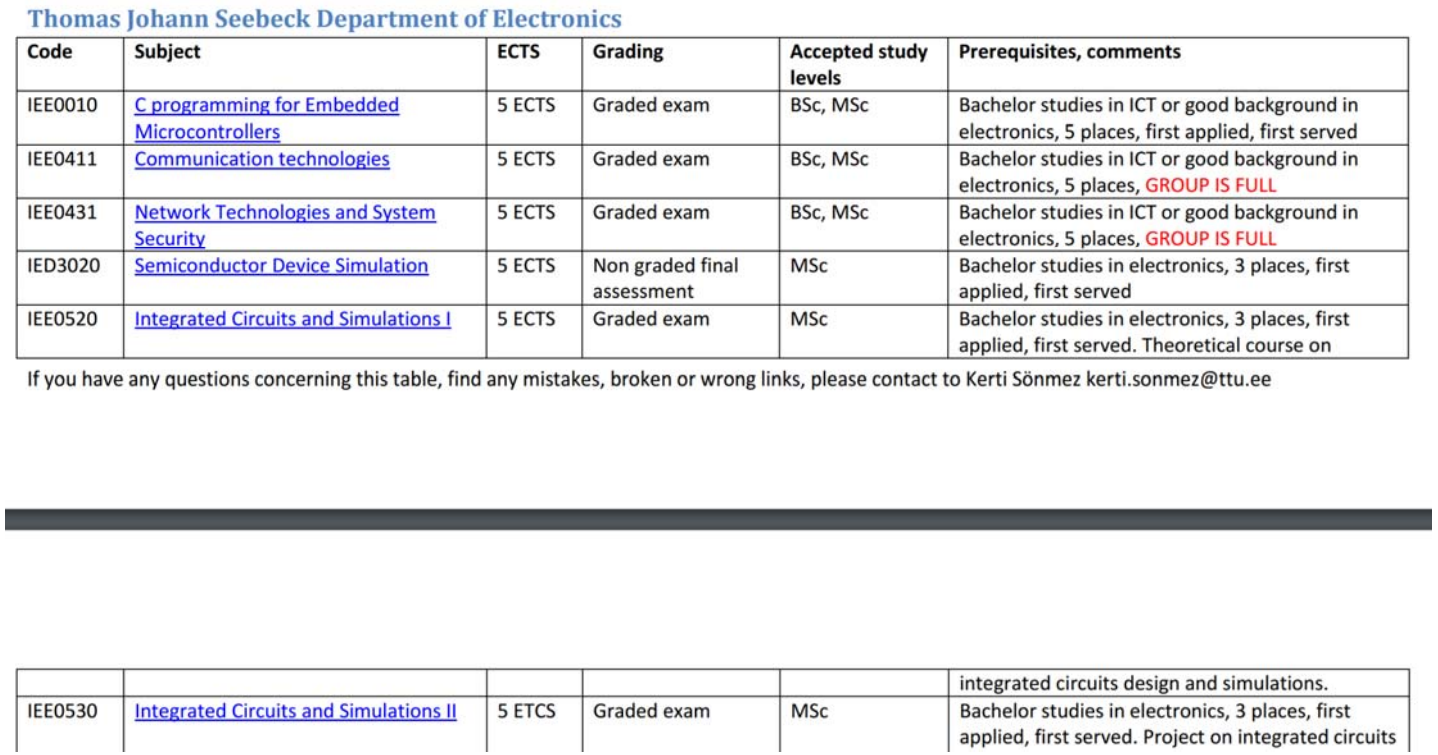
Proof of English requirement may be waived if a candidate:
•has finished from either International Baccalaureate (IB) or European Baccalaureate (EB) school (applies for entering to bachelor´s studies only);
•has completed secondary education or higher education in one of the following countries: EU/EEA member states, USA, Canada, Australia, New Zealand (the transcript of records must include information that studies were conducted fully in English).

Programs in English
(for **exchange** students)

https://www.ttu.ee/studying/exchange-studies/exchange-studies-incomingoutgoing/before-studies/courses-in-english/

More flexible, program can be composed from list of courses available at https://www.ttu.ee/public/e/en/studying/Incoming_Exchange_Studies/20.12.16_Ained_kevadsemestriks_17.pdf

16 pages...



Thomas Johann Seebeck Department of Electronics

Code	Subject	ECTS	Grading	Accepted study levels	Prerequisites, comments
IEE0010	C programming for Embedded Microcontrollers	5 ECTS	Graded exam	BSc, MSc	Bachelor studies in ICT or good background in electronics, 5 places, first applied, first served
IEE0411	Communication technologies	5 ECTS	Graded exam	BSc, MSc	Bachelor studies in ICT or good background in electronics, 5 places, GROUP IS FULL
IEE0431	Network Technologies and System Security	5 ECTS	Graded exam	BSc, MSc	Bachelor studies in ICT or good background in electronics, 5 places, GROUP IS FULL
IED3020	Semiconductor Device Simulation	5 ECTS	Non graded final assessment	MSc	Bachelor studies in electronics, 3 places, first applied, first served
IEE0520	Integrated Circuits and Simulations I	5 ECTS	Graded exam	MSc	Bachelor studies in electronics, 3 places, first applied, first served. Theoretical course on

If you have any questions concerning this table, find any mistakes, broken or wrong links, please contact to Kerti Sönmez kerti.sonmez@ttu.ee

					integrated circuits design and simulations.
IEE0530	Integrated Circuits and Simulations II	5 ETCS	Graded exam	MSc	Bachelor studies in electronics, 3 places, first applied, first served. Project on integrated circuits

English Language Requirements (for **exchange** students)

Certificate of English language proficiency (minimum level is B2).

For example:
The minimum overall score of the TOEFL (72 iBT).

Requested IELTS score: 5,5 or above

TOEIC test score: 780 or above

FCE (First Certificate in English): A, B

CAE A, B, C

CPE A, B, C

Pearson Test of English Academic (PTE A), total score 51 or above

Certificate, indicating your English B2 level: reading, listening, writing and speaking from the home university. The Certificate has to be issued before the application deadline.

Results of your English Erasmus+ OLS language assessment

DAAD Language Certificate for German Applicants

Accommodation

https://www.ttu.ee/studying/exchange-studies/exchange-studies-incomingoutgoing/before-studies/b_accommodation/
https://www.ttu.ee/studying/new-and-current-student/accommodation-4/

On-Campus

TUT offers 7 different residential living communities. Most of the residences are located in Mustamäe, at close range of university study buildings. The newest TUT Student Campus building is located in Kristiine borough, near the centre of Tallinn. For the period of 2015/2016 applications can be submitted from June 1, 2015. For more information have a look at TUT Student Campus website:

Akadeemia tee 7/1
Akadeemia tee 7/2
Akadeemia tee 11
Akadeemia tee 5a, residence for families
Akadeemia tee 5
Raja 4D
Siidisaba 7

For short stay:
Academic Hostel

Off-Campus

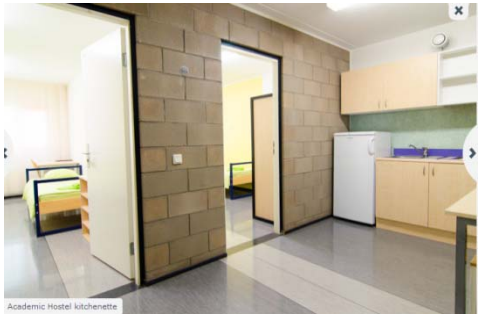
Private rooms and apartments can be found from the following websites:

- TallinnResidenze
- www.city24.ee
- www.kv.ee
- www.tudengikodu.org
- www.estate24.ee
- G4S Hostel

If you have any questions regarding private rooms and appartments for rent, feel free to contact with Ms. Margit Joa from Pindi Real Estate via e-mail margit.joa@pindi.ee

Apartment prices depend on the location and the number of rooms.

Facebook group: 'Accommodation for International Students in Tallinn'



From 120 EUR/month (shared room)
(ca. 4000 NTD/month)

Scholarships (mostly for degree students)

Tallinn University of Technology / Estonian Government / Etc.
https://www.ttu.ee/studying/tut_admission/scholarships/

Tuition fee waiver scholarship

Share

A tuition fee waiver is a non-monetary scholarship granted automatically to the best candidates according to the points earned in the course of admission. Scholarship is awarded for the whole study period. Detailed information about the scholarship is available here

Scholarships applicable for all students

Performance scholarship
Students can apply for performance scholarship. The amount of the scholarship is 100 euros per month. First-year students can apply from the second semester.

Specialty scholarship

Specialty scholarship can be applied for by students who have not exceeded the nominal duration of study of the study programme and study in the fields that are a priority for the state. Speciality scholarship is financed from the European Regional Development Fund. Specialty scholarship can be applied for from the first semester.

Read more: The basis for awarding and the procedure for payment of scholarships

Need-based study allowance
Students from less privileged families are supported by the state upon covering the additional costs incurred in acquiring higher education. Need-based study allowance can be applied for from the first semester.

Need-based special allowance
Bachelor's, engineering, professional higher education and Master's students (hereinafter students) whom application for need-based study allowance has been declined have the right to apply for need-based special allowance.
Read more: CONDITIONS AND PROCEDURE FOR APPLYING FOR AND GRANT AND PAYMENT OF NEED-BASED SPECIAL ALLOWANCE

Scholarships (mostly for degree students)

Tallinn University of Technology / Estonian Government / Etc.
https://www.ttu.ee/studying/tut_admission/scholarships/

Scholarships for Bachelor's studies:

- International Business Administration
- Law
- Integrated Engineering

Scholarships (mostly for degree students)

Tallinn University of Technology / Estonian Government / Etc.
https://www.ttu.ee/studying/tut_admission/scholarships/

Scholarships for Master's studies:

In addition to the scholarships mentioned above, students may also be applicable for certain scholarships based on their programme.

- Engineering Physics
- International Business Administration (MBA)
- International Relations and European-Asian Studies
- Law
- Technology Governance
- Computer and Systems Engineering
- Communicative Electronics
- Industrial Engineering and Management
- Environmental Engineering and Management
- e-Governance Technologies and Services
- Cyber Security
- Technology of Wood and Plastic
- Materials and Processes of Sustainable Energetics
- Design and Engineering
- Mechatronics
- Health Care Technology
- European Architecture

Scholarships (mostly for exchange students)

Tallinn University of Technology / Estonian Government / Etc.

- Bilateral agreement between TUT and NTUT
  - Signed in 2015, valid for 5 years
  - Tuition fee should be waived
  - 2 places in each direction per academic year
  - http://oia.ntut.edu.tw/files/11-1019-9243.php

愛沙尼亞	Tallinn University of Technology	1. 大二以上大學生及研究生(須有本校一學年成績)。 Limited to sophomore students or above. 2. 英文能力須達TOEFL iBT 61 或 IELTS 5 以上 或TOEIC 780 或CEF B。 3. 住宿：詳情請參考此網頁。	無 重要公告

- Erasmus+
  - http://eeas.europa.eu/archives/delegations/taiwan/travel_eu/education/index_en.htm

- NTUT scholarships
  - http://oia.ntut.edu.tw/files/11-1019-9313.php

- Contact us and/or NTUT Office of International Affairs

Scholarships for PhD studies

https://www.ttu.ee/studying/phd-studies/programmes-6/

Scholarships for degree seeking PhD students

- 422 EUR/month + about 600 EUR/month = about 1000 EUR/month

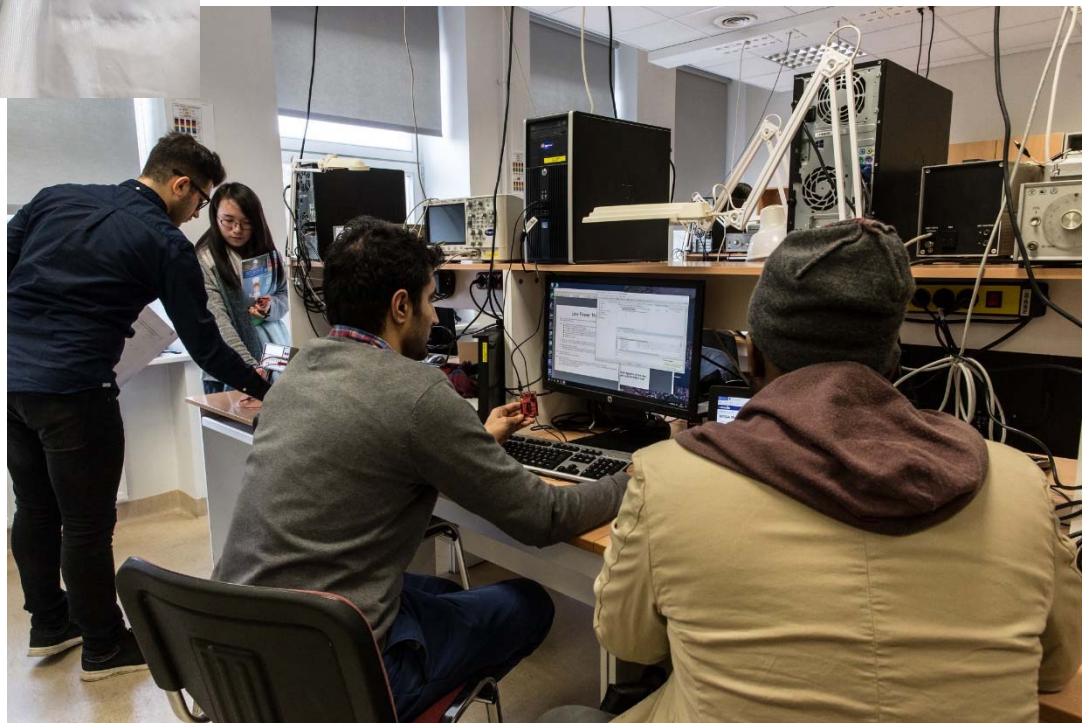
Scholarships for visiting PhD students

- DORA+
  - https://www.ttu.ee/studying/phd-studies/programmes-6/scholarships-for-short-term-visiting-phd-students/
  - Accommodation allowance 422€ per month
  - A fixed transport allowance, which depends on the distance of residence from Estonia

- See also the previous slide

Scholarships for postdocs

http://www.etag.ee/en/funding/mobility-funding/mobilitas-pluss/mobilitas-pluss-post-doctoral-researcher-grant/



Video: Tallinn, Estonia Travel Guide - Must-See Attractions

Thank you!
謝謝!

yannick.lemoullec@ttu.ee

TAIPEI TECH 國立臺北科技大學 NATIONAL TAIPEI UNIVERSITY OF TECHNOLOGY

1918 TALLINNA TEHNIKAÜLIKOOL TALLINN UNIVERSITY OF TECHNOLOGY