Why University of Tartu?

- The oldest and most prestigious university in Estonia; founded in 1632, UT is ranked in the TOP 2% of the world’s best universities (QS World University Rankings 2016/2017);
- International community: over 1000 international students from over 90 countries;
- Exchange opportunities offered by partner universities in numerous countries and student exchange programmes such as ISEP and Erasmus+;
- Top research institution: UT belongs to the top 1% of the world’s most-cited universities and research institutions in 9 research areas, including Clinical Medicine, Chemistry, Environment & Ecology, Plant & Animal Science, Molecular Biology & Genetics, Biology and Biochemistry (ISI Web of Science 2016);
- Nobel Prize in 1909 (Wilhelm Ostwald, founder of Physical Chemistry);
- Active student life: students are welcome to join the student satellite ESTCube group, Robotics Club and Science Theatre.

Why Estonia?

- Located on the northeastern edge of Europe, bordering Finland, Sweden, Latvia and Russia;
- Member of the EU, Eurozone, Schengen area and OECD;
- According to the IMF an advanced economy;
- Main trade partners are Sweden, Finland and Russia;
- 88% of population (16–74) is using the Internet and 88% of households have Internet access;
- First country in the world to introduce online political voting and mobile parking;
- 99.6% of banking transactions are done electronically;
- Homeland of Skype, Transferwise and GrabCAD;
- It takes 15 min to establish a company.

NB! This publication is meant for informational purposes only. Please refer to the university websites for the latest official information.
Science and Technology bachelor’s degree programme offered by the University of Tartu provides a broad overview of natural and exact sciences and technologies. During the first year and a half, all students study a broad range of subjects that provide a solid grounding to continue their studies in any field of science involving modern technologies and materials. After completing this initial phase, students choose one of three focused study streams: genetics and biotechnology; bioengineering and robotics; chemistry and materials science. As this degree programme provides a broad education before asking the student to choose a specialisation, students are able to make wise, calculated, and fully informed decisions about which specialisation to pursue. Graduates can start working for a technology company. Their skills are desired in both Estonia and abroad within monitoring centres, various manufacturing enterprises, and laboratories as technically qualified members of the laboratory staff. All successful graduates have an option to continue their studies at the master’s level in any natural science and technology specialisation offered at the University of Tartu, and the list of study opportunities at UT and other Estonian universities is wide.

Bachelor of Science

Science and Technology

Language of instruction
English

Duration of the programme
3 years

Location
Tartu, Estonia

Curriculum structure
Total 180 ECTS

Obligatory base modules (48 ECTS) – courses covering biology, chemistry, mathematics, programming, physics;

Narrow field module (24 ECTS) – courses offering field knowledge in biochemistry, biology, genetics, electronics and statistics;

Specialisation modules (72 ECTS) – an option to choose one of three study streams:

Genetics and Biotechnology (72 ECTS) – bioinformatics, genetics, biochemistry, bio-enterprise, various biology courses;

Bioengineering and Robotics (72 ECTS) – electrical measurements, molecular catalysis and signaling, applied synthetic biology, robotics, systems modeling, physiology, advanced animation, vision analysis, various engineering courses;

Chemistry and Materials Science (72 ECTS) – spectroscopy, thin film technology, physical material technologies, industrial heterogeneous catalysis, various chemistry courses;

Elective module (12 ECTS) – an option to choose from a list of technical courses;

Optional courses (12 ECTS) – all courses provided by UT and other Estonian universities;

Bachelor’s thesis (12 ECTS) – all courses provided by UT and other Estonian universities;

Elective module (12 ECTS) – an option to choose from a list of technical courses;

Total 180 ECTS

Application process
1) Submit an online application (link available at st.ut.ee);
2) Mail the documents after being admitted or when requested by the university.

Documents to be submitted
• Online application;
• Motivation letter;
• Official copy of the secondary school certificate and grade list in the original language* (or current grade list before you get the certificate, which will be required at a later date);
• Certificate and copy of the passport page stating the applicant’s personal details.

*All copies of educational documents (diplomas and diploma supplements/academic transcripts) must be officially certified. Certified copies should bear an original signature and seal of the authority certifying that these are true copies of the original. The documents can be sent: 1) by an authorized official of the issuing institution, 2) by a notary, 3) with an Apostille attached. The University does not accept simple copies of already certified copies.

An SAT test in mathematics (Level 1), chemistry and/or biology is not required to apply, however, we recommend that applicants who have taken an SAT test mention that in their motivation letter. No additional points are given to applicants who have taken an SAT test, however, we consider it a positive component that should be underlined when describing one’s interest and ability to succeed in this study programme. The most recent SAT score recipient code for the University of Tartu is 6424.

Tuition fee & scholarships

Bachelor’s thesis (12 ECTS)
Bachelor of Science

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