Why University of Tartu?

• UT is ranked among the TOP 1.2% of universities in the world (QS World University Rankings 2018);
• UT is one of top two universities in Central and Eastern Europe in Computer Science (THE World University Rankings 2018 by Subject);
• IT students can complete 1/2 of studies in companies;
• Extremely open to international students trying to support development of their future careers;
• The syllabus is comprehensive, wide and reflects all new important trends in the area of Computer Science;
• Rich in practical knowledge from different areas of specialisation with strong emphasis on programming proficiency;
• International team of lecturers with experience in over 15 countries;
• Highly coveted graduates in the international job market;
• Erasmus and other partnership agreements to study abroad;
• Modern residence halls and affordable accommodation;
• International students rate Estonia as the #1 place to stay (Erasmus Student Network Survey);
• Focus on cutting-edge technology such as neural networks, data mining, blockchain, quantum computer science.

NB! This publication is meant for informational purposes only. Please refer to the university website for the latest official information.

Send us your question: ut.ee/ask
Master of Science in Engineering

Computer Science

The programme gives you knowledge and practical skills in the field of computer science and one of its narrower subfields: theoretical informatics, distributed systems or data science. Once admitted, you will get the opportunity to apply for an industrial master’s individual study plan. This allows you to complete half of the studies in a partner company with extra scholarships. The programme engages with AI, neural networks, neuroscience, blockchain technology, general cryptography, quantum cryptography and quantum computing. Nearly all admitted students will receive a tuition-waiver scholarship.

Curriculum structure

Total 120 ECTS

- Foundation module (24 ECTS)
  - Advanced Algorithmics, Design and Analysis of Algorithms, Distributed Systems, Machine Learning
- Specialisation module (24 ECTS) – choice of 3 modules
  - Theoretical Informatics
  - Distributed Systems
  - Data Science
- Master’s seminar (6 ECTS)
- Elective courses (12 ECTS)
- Practice module (18 ECTS)
- Optional courses (6 ECTS)
- Master’s thesis (30 ECTS)

General admission requirements

- Bachelor’s degree (or equivalent) in Information Technology, Computer Science, Software Engineering, Information Systems or a related field;
- Applicants with a Bachelor’s degree in Mathematics, Natural Sciences, Technology or Engineering are eligible if they have completed at least 24 ECTS of courses in Computer Science, incl. courses in Programming, Database Technology and Algorithms and Data Structures.

Tuition fee & scholarships

€4000/year

Top-ranked applicants receive tuition-waiver scholarships

ut.ee/scholarships

Language of instruction

English

Duration of the programme

2 years

Location

Tartu, Estonia

Application process

1) Submit an online application with required documents (link available on the programme’s website);
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 Bachelor’s diploma or its equivalent and Diploma Supplement (transcript/mark sheet) in the original language;*
- Official translation of the Bachelor’s diploma and Diploma Supplement (transcript/mark sheet) into English, translation certified;
- Proof of English language proficiency (ut.ee/requirements, e.g. TOEFL iBT 75, IELTS 5.5);
- 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 certified: 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.

Application deadline

March 15

NB! Applicants graduating and having their diplomas issued later than the application deadline, should electronically submit their most recent official Transcript of Records by the required deadline along with the rest of the required documents.

Programme contact:

Eero Vainikko
Programme Director
ero. vainikko@ut.ee

Programme contact:

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