INFORMATICS AND
INFORMATION TECHNOLOGY

UNIVERSITY OF TARTU
1632

LOCATION: Tartu, Estonia

DURATION OF THE PROGRAMMES: 2 years

LANGUAGE OF INSTRUCTION: English

APPLICATION PROCESS

1) Submit the online application (relevant link available at a programme's website);
2) Mail the required and carefully prepared documents by the deadline to:
   International Student Service
   University of Tartu
   Ülikooli 18, Tartu 50090, Estonia

DOCUMENTS TO BE SUBMITTED

- Online application;
- Motivation letter;
- Official copy of the Bachelor's diploma or its equivalent and Diploma Supplement (transcript/grade list) in the original language;
- Official translation of the Bachelor's diploma and Diploma Supplement into English;
- Proof of English language proficiency (ut.ee/requirements, e.g. TOEFL iBT 75, IELTS 5.5, exceptions listed on web);
- Copy of the passport page stating the applicant's personal details.

APPLICATION DEADLINE: March 15

Applicants who graduate or have their diplomas issued after the application deadline (in July, for example) must send an application form and the most recent Transcript of Records by the required deadline.

TUITION FEE & SCHOLARSHIPS

3200 EUR/year
Tuition-waiver scholarships available to most students.

Address for inquiries:

International Recruitment
University of Tartu
Ülikooli 18-104, 50090 Tartu, Estonia
+372 737 6109
studyinfo@ut.ee

iktp
European Union Regional Development Fund
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WHY UNIVERSITY OF TARTU?

- UT is ranked as the **400th university in the world** which makes it the highest ranked university in the Baltics (QS World University Rankings 2015–2016);
- **Advanced study facilities**, a comprehensive library and computer labs;
- **Highly qualified professors:** e.g. Marlon Dumas, the programme manager of Software Engineering, is one of the TOP 20 most cited software engineering researchers in the world;
- UT students and professors lead the project of **student satellite ESTCube-1**: Estonia became the 41st space nation in the world after the satellite's launch in 2013;
- **Modern residence halls** and affordable accommodation;
- Estonia is home to **Skype**, NATO's cyber-defence centre of excellence, the EU's IT Agency, and many successful IT start-ups, a pioneer in **e-identity, -voting, -prescription** and other digital society initiatives and on top of the list for Internet Freedom (Freedom of the Net survey).

/ tartuuniversity /

send us your question:
ut.ee/ask

Master of Science in Engineering

SOFTWARE ENGINEERING

COMPUTER SCIENCE

ROBOTICS AND COMPUTER ENGINEERING

Master of Science in Engineering

SOFTWARE ENGINEERING

Master's programme in Software Engineering imparts general software engineering and management skills, as well as specialised skills in two major application domains: enterprise systems and embedded real-time systems. The programme is delivered jointly by the University of Tartu and Tallinn University of Technology. Graduates of Software Engineering have the necessary skills to succeed in high-end technical roles (e.g. software analyst, architect or research engineer) and managerial roles (e.g. project/team leader or technology officer).

CURRICULUM STRUCTURE TOTAL 120 ECTS

Core module (24 ECTS)

- Systems Modelling, Software Economics, Advanced Programming, Software Quality and Standards

Specialisation module (24 ECTS) – choice of 2 modules

- Enterprise Software Engineering (studies at the University of Tartu)
- Embedded Real-Time Software Engineering (studies at Tallinn University of Technology)

Elective courses (18 ECTS)

Optional courses (6 ECTS) – all available courses at the university

Practice module (18 ECTS)

Master's thesis (30 ECTS)

GENERAL ADMISSION REQUIREMENTS

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

Programme contacts

Marlon Dumas
Programme Manager
marlon.dumas@ut.ee

ut.ee/software

Master of Science in Engineering

COMPUTER SCIENCE

Master's programme in Computer Science provides thorough knowledge and skills in the field of computer science and one of its narrower subfield: high performance computing, programming languages, language technology, cryptography and theoretical informatics and data mining. Graduates can work as leading specialists in public and private organisations or continue their studies on PhD level in Computer Science.

CURRICULUM STRUCTURE TOTAL 120 ECTS

Foundations module (24 ECTS)

- Advanced Algorithmics, Discrete Mathematics, Distributed Systems, Systems Modelling

Specialisation module (24 ECTS) – choice of 5 modules

- High Performance Computing
- Programming Languages
- Language Technology
- Cryptography and Theoretical Informatics
- Data Mining

Master's seminar (12 ECTS)

Elective courses (18 ECTS)

Optional courses (6 ECTS) – all available courses at the university

Practice module (18 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.

Programme contacts

Eero Vainikko
Programme Manager
eero.vainikko@ut.ee

ut.ee/compsci

Master of Science in Engineering

ROBOTICS AND COMPUTER ENGINEERING

Master's programme in Robotics, Computer and Space Technology trains highly qualified roboticists, computer and space engineers. The programme provides broad knowledge in the field of robotics, computer engineering or space technology. Graduates can work in enterprises or research and development centres connected to their field of study.

CURRICULUM STRUCTURE TOTAL 120 ECTS

Core module (24 ECTS)

- Data Analysis and Computational Methods with MATLAB, Data Acquisition and Signal Processing, Digital Image Processing, Distributed Systems, Technical Graphics, Computational Physics

Seminar module (12 ECTS)

- Master's Seminar
- Practical Training
- Teaching Practice

Specialisation module (24 ECTS) – choice of 3 modules

- Robotics
- Computer Engineering
- Space Technology

Elective module 24 ECTS – choice of 4 modules

- Internship
- Leadership module
- Business module
- Semester abroad – can be used to replace any specialisation or elective module

Optional courses (6 ECTS) – all available courses at the university

Master's thesis (30 ECTS)

GENERAL ADMISSION REQUIREMENTS

- Bachelor's degree or equivalent;
- Prerequisite subjects: at least 45 ECTS of courses in Math, Physics, Electronics and Programming.

Programme contacts

Heiki Kasemägi
Programme Manager
heiki.kasemagi@ut.ee

NEW PROGRAMME
check web for the latest info

ut.ee/robotics