Facts&Figures

1862

RIGA TECHNICAL UNIVERSITY

OUR HOME

KIPSALA CAMPUS

Uniquely located on a mid-sized island in the Daugava River, right in the heart of Riga

Rector's Welcome

It is with great pride that I present the annual Facts and Figures publication – a reflection of Riga Technical University's journey and impact in 2024.

As a technical university, our identity is built on data and numbers – they are the backbone of science and innovation, offering us measurable evidence for understanding the world as it is and redefining what is still possible. This publication showcases the tangible results of our recent efforts and the inspiring initiatives driving our mission: to build an innovative, sustainable, and inclusive future.

The future of our world lies in the hands of our students, and we are committed to shaping a generation of skilled, visionary, and innovative leaders. Today's high-tech, fast-paced world calls for specialists more versatile than ever. As a university, we aim to equip our students with skills that will benefit them long after they leave our campus: hands-on experience, creative problem-solving skills, and entrepreneurial thinking guarantee that our graduates not only qualify but stand out in their fields.

With young, ambitious students growing into future leaders, accomplished scientists leading ground-breaking research, and advanced facilities supporting academic progress and global companies, we have everything we need for the future we are trying to build.

A key part of this vision is harnessing the power of technology to enhance everyday practices and drive sustainability. Research on climate neutrality, student-led innovations addressing critical environmental challenges, and active participation in the "Race to Zero" campaign reflect our commitment to a better world. RTU recognises its duty to future generations and is dedicated to fostering a diverse, inclusive international community and expanding our global partner networks for an even greater impact.

As a technical university, we believe in numbers. As a hub of knowledge, expertise and innovation, we also believe in the future.

We remain committed to building a better tomorrow, every day.

RTU Rector
Academician Dr. sc. ing.
Talis Juhna

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RIGA TECHNICAL UNIVERSITY

WHAT DRIVES US

MISSION

We are building a competitive, educated, innovative and creative future

VISION

RTU is an internationally competitive, dynamic and modern university of science and technology

LEGACY

With more than 162 years of history, RTU is the oldest technical university in the Baltic States

KNOW MORE, DO MORE

Faculty of Civil and Mechanical Engineering

- Offers programmes in civil, mechanical, and industrial engineering, integrating theoretical learning and hands-on practice to prepare students for careers in construction, transportation, mechanical engineering, and infrastructure development.

Faculty of Natural Sciences and Technology

- Provides education in chemistry, chemical technology, materials, biotechnology, and environmental engineering – areas that are among the most important research fields of the 21st century, addressing global challenges impacting humanity's future survival.

Faculty of Computer Science, Information Technology and Energy

- Offers programmes in the fields of computer science, telecommunications, energy and electrical engineering, and digital humanities, implementing advanced high-tech solutions and emphasising a cross-disciplinary approach across various high-demand fields.

8 AFFILIATED INSTITUTIONS

13 760 students

8808 men

4952 women

253 professors and associate professors

538 researchers and leading researchers

Over 170 000 graduates

163 study programmes

165 lecturers and assistants

186 scientific assistants

Faculty of Engineering Economics and Management

- Offers studies in the fields of business management, human resources, real estate, logistics, and finance, with a focus on proactive industry collaboration and the advancement of both national and global economies.

Institute of Architecture and Design

- A centre dedicated to shaping the future of architecture, offering professional qualifications and specialisations in spatial planning, restoration, interior design, and landscape architecture.

RTU Latvian Maritime Academy

- Rooted in centuries-long Latvian seafaring traditions, the academy prepares highly skilled and sought-after maritime professionals through strong industry partnerships and comprehensive practical training in technology, management, safety, and sustainability.

RTU Liepaja Academy

- Located in the scenic seaside city of Liepaja, this campus offers a diverse selection of STEM and humanities programmes alike, providing a broad spectrum of career options in the fields of IT, education, media, linguistics, and arts.

Riga Business School

- In partnership with the State University of New York (USA), BI Norwegian Business School (Norway), and the University of Ottawa (Canada), RBS is the only school in the Baltics offering North American-style MBA programmes, preparing students for leadership roles in a technology-driven world.

RTU LATVIAN MARITIME ACADEMY

Modern Maritime Education and Training

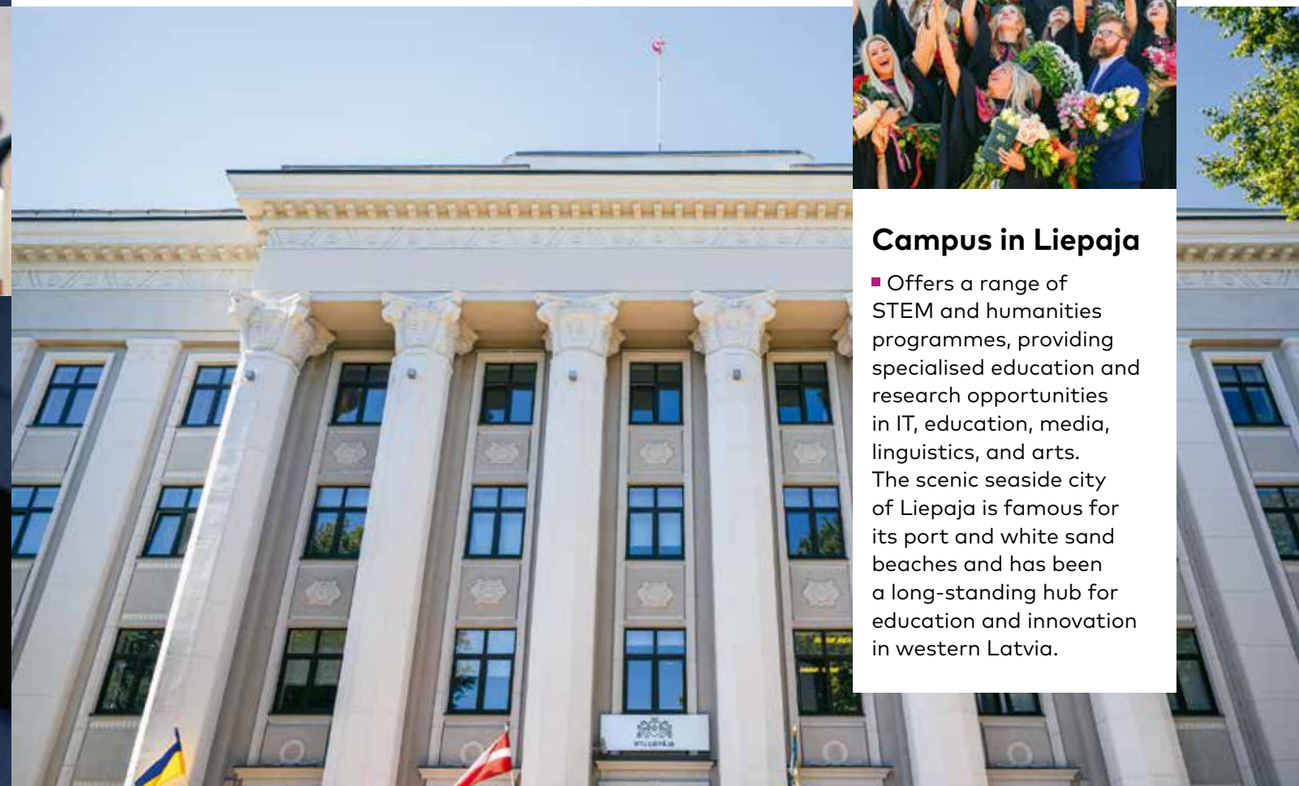
- Offers STCW- and industry-compliant bachelor's programmes in navigation, marine engineering, and marine electro-technical engineering, along with specialised short training courses for seafarers to ensure continuous professional development and compliance with international maritime standards.

The academy emphasises integrated on-board and shore-based training, supported by state-of-the-art simulators and laboratories. It also offers a master's programme in marine transport management, combining applied research, innovation, and leadership development to prepare graduates for successful careers at sea and ashore.

RTU LIEPAJA ACADEMY

Campus in Liepaja

- Offers a range of STEM and humanities programmes, providing specialised education and research opportunities in IT, education, media, linguistics, and arts.
The scenic seaside city of Liepaja is famous for its port and white sand beaches and has been a long-standing hub for education and innovation in western Latvia.



FROM QUESTIONS TO SOLUTIONS

RTU Scientific Excellence Initiatives

- Latvian Quantum Technology Initiative
- The establishment of a microchip design and testing lab and a competence centre
- Contribution to the establishment of the Hydrogen Centre of Excellence

Research platforms

- Energy and Environment
- Cities and Development
- Information and Communication
- Transport
- Materials, Processes and Technologies
- Security and Defence

Doctoral studies

400 doctoral students

16 doctoral programmes

SCOPUS 2023–2024

1631 publications

3379 citations

WoS 2023–2024

1036 publications

1924 citations

RESEARCH EXCELLENCE

Baltic Biomaterials Centre of Excellence (BBCE)

- A collaborative hub dedicated to advancing biomaterial development through cutting-edge research and innovation by uniting the AO Research Institute Davos (Switzerland), Friedrich-Alexander University of Erlangen-Nuremberg (Germany), Riga Technical University, Latvian Institute of Organic Synthesis, and Rīga Stradiņš University.

CERN

- Latvia has been an associate member state of CERN, the world's leading laboratory for particle physics research, since 2021 and actively participates in many major scientific initiatives and research projects, like I. FAST, HITRIplus, NIMMS, and others. RTU's Institute of Particle Physics and Accelerator Technologies, in collaboration with the University of Latvia, offers a PhD programme featuring industry opportunities for up to two years at CERN.

FACILITIES

18 institutes

27 laboratories

144 maintained Latvian patents

FUNDING

5.8 million EUR State budget-funded research

10.3 million EUR international R&D projects and contracts

1.9 million EUR within R&D contracts

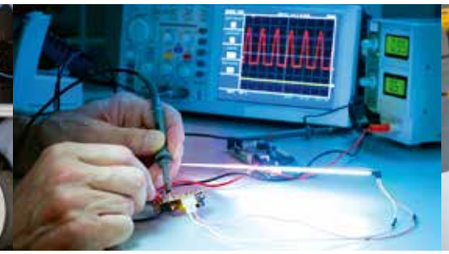
INNOVATE. INSPIRE. LEAD

The RTU Science and Innovation Centre

- The university's hub for innovation, offering state-of-the-art prototyping labs, and expert support for student start-ups and industry alike. A key driver of innovation in Latvia, the Centre organises events, supports research incubators, fosters intellectual property commercialisation, and partners with top industry leaders.

High-Performance Computing Centre

- Latvia's largest supercomputing provider, supporting science and innovation for over 18 years. It enables fast, complex computing for engineering, big data analytics, machine learning, and AI, collaborating with leading institutes and universities on European-level projects.



Innovation in numbers

RTU Science and Innovation Centre Annual Report 2024

3.5 million EUR funding raised

532 000 EUR the share of contract-based services

78 prototypes developed

49 start-ups supported

233 events organised

185 industry partners involved

Global innovation networks

- RTU is an active member of various international innovation ecosystems, including the European Institute of Innovation and Technology (EIT), Design Factory Global Network, the European Space Agency, and others.

theLAB

- Among the top prototyping workshops in the Baltic States, it provides RTU students, staff, and researchers with the resources to bring their inventions to life using advanced technologies such as 3D printing, laser cutting and engraving, large-format printing, and a range of other auxiliary tools.

STRONGER TOGETHER

Over 3000 international degree students

98 countries represented on our campus

59 study programmes in English

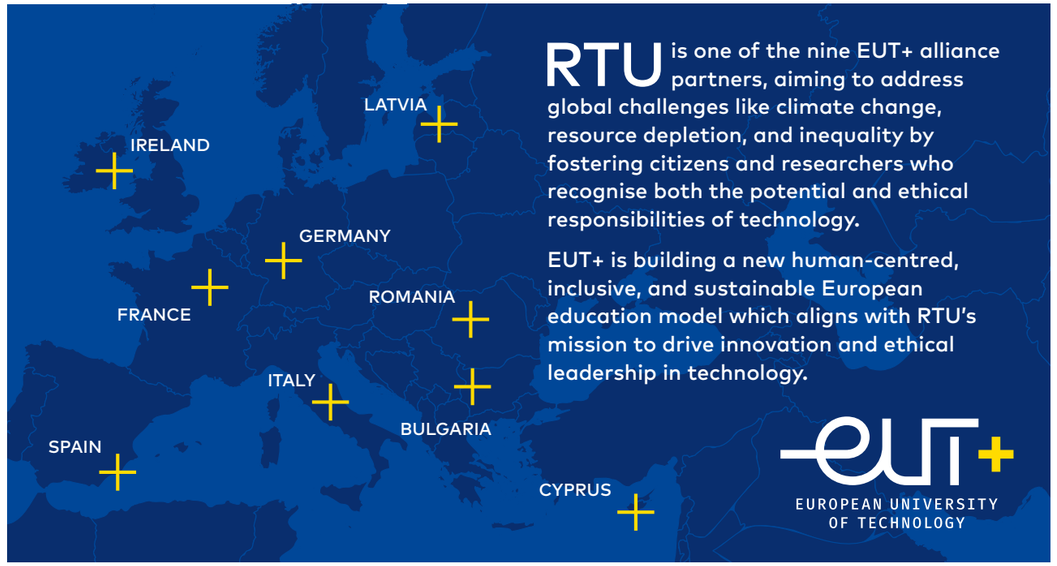
Incoming mobility and short-term course students **1111**

International Cooperation

- RTU maintains a strong global focus – the university's internationally oriented initiatives, including a diverse academic community and expansive global partnership networks, have been a driving force for securing high positions in prestigious rankings.

Erasmus+

- RTU is part of the leading global student exchange programme Erasmus+, offering students and staff mobility opportunities for studies, work placements, and collaborative projects. Additionally, we actively pursue grant proposals to enhance international cooperation and expand our global network.

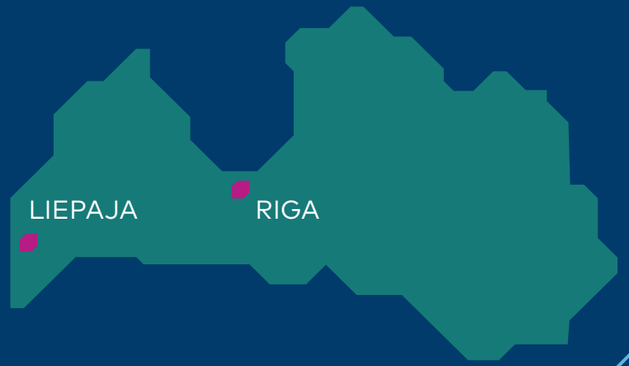


RTU is one of the nine EUT+ alliance partners, aiming to address global challenges like climate change, resource depletion, and inequality by fostering citizens and researchers who recognise both the potential and ethical responsibilities of technology.

EUT+ is building a new human-centred, inclusive, and sustainable European education model which aligns with RTU's mission to drive innovation and ethical leadership in technology.

EUT+ EUROPEAN UNIVERSITY OF TECHNOLOGY

WELCOME TO LATVIA!



This is our home – a historic European trade centre, with great untouched landscapes and a rich Baltic cultural legacy

498 km
Baltic Sea coastline

64 589
square km

1.85
million inhabitants

824
year old capital city

HIGHLIGHTS

- **One of the largest Art Nouveau** architecture collections in the world.
- **Our Song and Dance festival**, a UNESCO-recognised masterpiece of intangible heritage, unites 40,000 singers, dancers, and musicians every five years.
- **One country, all four seasons –** experience blossoming parks in spring, summer days on the beach, golden autumn afternoons, as well as snowy winter landscapes.

YOUR JOURNEY, YOUR RTU

Student Parliament and International Student Council

- Influence campus policies, champion students' rights and foster positive change.

Sports

- Make the most of your time at RTU by taking advantage of our Olympic-size pool, more than 20 sports clubs and varsity teams, and a sports and recreation centre by the sea. Let's go, Team RTU!

Culture Centre

- Choose from our 10 clubs, including dance groups, choirs, and student theatre, and immerse yourself in the local culture.

Accommodation

- A range of on-campus, city centre, and off-campus dormitory options, starting from 211 EUR per month.

RTU Scientific Library

- Approximately 1.5 million traditional sources on engineering and architecture.

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