



Admissions guide 2025 | LUT University | Finland

CURIOUS PEOPLE

inspire others of their kind

INTERNATIONALLY RECOGNISED

We are among the top

in the world in climate action
/United Nations' Sustainable Development Goal 13

in the world in partnerships for the goals /United Nations' Sustainable Development Goal 17

business schools in the THE World University
Rankings by subject for business and economics

200 in the THE Impact Rankings

300 in the THE World University Rankings

Times Higher Education Impact Rankings 2024
Times Higher Education World University Rankings by Subject 2024
Times Higher Education World University Rankings 2024



We at LUT University work together with companies to make Planet Earth a better place using science as a powerful tool. Our graduates are responsible trailblazers in technology, business, and social sciences. Sustainability-focused organisations worldwide value their knowledge, skills and attitude.

Juha-Matti Saksa Rector, LUT University

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LUT UNIVERSITY

LUT University (Lappeenranta-Lahti University of Technology LUT) is a **public science university** in Finland, bringing together the fields of **technology**, **business** and **social and communication sciences**.

Clean energy, water and air are life-giving resources for which we at LUT University seek new solutions. We help society and businesses in their **sustainable renewal**.

We offer **8 bachelor's**, **32 master's**, and **doctoral**, **exchange** and **seasonal** programmes with English as the language of instruction. The programmes take place on two campuses and in two regional units. The distances between the four cities are short.

CONNECTED TO INDUSTRY

Our degree programmes are developed in close cooperation with industry, ensuring your studies are relevant to the changing needs of your profession.

INTERNATIONALLY ACCREDITED

Most of our programmes have quality labels from international accreditation organisations: EUR-ACE, Euro-Inf and ASIIN in technology and AACSB and EFMD in business.

RESEARCH THAT MATTERS

We create innovations and unlock new knowledge through science.

WORLD-CLASS LABORATORIES

At LUT, we offer you great facilities with high-tech labs. Many classes are taught in labs that enable computer modelling, 3D imaging, and virtual reality experiments.

JAMIE HYNEMAN CENTER

The Jamie Hyneman Center (JHC) is a prototyping lab located on the Lappeenranta campus. In this lab, you can create new ideas and build and test prototypes.

almost

100 nationalities

nearly

9000

students and members

2

campuses: Lappeenranta and Lahti

2

regional units: Mikkeli and Kouvola

DEGREES

- » Bachelor of Science in Technology, B.Sc. (Tech.)
- » Bachelor of Science in Economics and Business Administration, B.Sc. (Econ. & Bus. Admin.)
- Master of Science in Technology, M.Sc. (Tech.)
- Master of Social Sciences, M.Soc.Sc.
- » Master of Science in Economics and Business Administration, M.Sc. (Econ. & Bus. Admin.)
- » Doctor of Science in Technology, D.Sc. (Tech.)
- Doctor of Social Sciences, D.Soc.Sc.
- » Doctor of Science in Economics and Business Administration, D.Sc. (Econ. & Bus. Admin.)
- » Doctor of Philosophy, Ph.D.

APPLICATION PERIODS

Bachelor's programmes:

- » Rolling admission in all programmes 1 November 2024–31 March 2025
- Regular admission in all programmes 8-22 January 2025

Master's programmes:

- >> Early admission in most programmes 1–15 October 2024
- Regular admission in all programmes 16 December 2024–22 January 2025

Studies start at the end of August 2025.

EARN CREDITS ON MOOCS BEFORE YOUR STUDIES BEGIN

Get a taste of LUT courses already before your studies begin in August. Attend LUT's massive open online courses (MOOCs) now for free and earn ECTS credits towards your degree.

>> mooc.lut.fi

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LUT SUMMER SCHOOL

Become acquainted with LUT's extensive range of academic opportunities and student life by attending the LUT Summer School. The LUT Summer School is arranged on campus. >> lut.fi/summerschool

Programmes: Bachelor's | Master's | Doctoral | Exchange | Seasonal

APPLY TO OUR PROGRAMMES

Start the application process by acquainting yourself with the programmes available and choosing the one most suitable for you. Apply to programmes through regular, rolling or early admission.

BACHELOR'S PROGRAMMES

Choose from technology or business bachelor's programmes. You will graduate within three academic years.

Each programme is 180 ECTS credits. 1 ECTS credit = 27 hours of work related to the course, preparation for the exam, and the exam itself. All bachelor's programmes are on-campus.

After completing the bachelor's degree at LUT, you will be entitled to continue your studies at LUT in your chosen field of specialisation either directly or through separate admission.

Regular admission

Complete the online application form during the regular application period and submit the required documents.

Apply 8-22 January 2025.

» studyinfo.fi

Eligibility

Only with a degree completed in Finland.

Rolling admission

Complete the online application form during the rolling application period and submit the required documents.

Apply 1 November 2024-31 March 2025.

» studyinfo.fi

Eligibility

Upper secondary degree + language test or SAT/OMPT.

TUITION FEES AND SCHOLARSHIPS

The tuition fees for non-EU/EEA citizens (excluding citizens of Switzerland):

- » Computational Science and Artificial Intelligence, Industrial Engineering and Management, Technology and Engineering Science, and Sustainable International Business, EUR 9 500/academic year
- >> Double degree programmes, EUR 9 000/academic year

Early bird discount for the first year

An early bird discount of EUR 2 000 is available in above mentioned programmes. The early bird fee for the first year is EUR 7 500.

Scholarships

Scholarships are available for the second and third years in above mentioned programmes and for all three years in double degree programmes.

» lut.fi/bachelors



Choose from technology, business or social and communication sciences master's programmes. You will graduate within two academic years.

Each programme is 120 ECTS credits. 1 ECTS credit = 27 hours of work related to the course, preparation for the exam, and the exam itself. The programmes are mainly on-campus, but we also offer some blended learning master's programmes.

Regular admission

Complete the online application form during the regular application period and submit the required documents.

Apply 16 December 2024–22 January 2025.

>> studyinfo.fi

Early admission

Complete the online application form during the early application period and submit the required documents.

Apply 1-15 October 2024.

>> studyinfo.fi

Eligibility

In all programmes: suitable bachelor's degree and verified English language test *In some programmes when required:* min. GPA requirements, interview, GMAT/GRE test

See programme-specific requirements on the programme web pages: lut.fi/masters.

TUITION FEE AND SCHOLARSHIPS

The tuition fee for non-EU/EEA citizens (excluding citizens of Switzerland) is EUR 13 500 in all master's programmes.

Early bird discount for the first year

An early bird discount of EUR 6 000 is available in all master's programmes in both early and regular admissions. The early bird fee is EUR 7 500.

Scholarship for the second year

An LUT Scholarship of EUR 6 000 is available in all programmes. Eligibility requires 60 ECTS credits completed in the first year of studies.

» lut.fi/masters



LUT University's Student Services help you to achieve academic success by offering a number of student support services.

ORIENTATION DAYS

Taking your first steps as a new student in a foreign country can be overwhelming and confusing: you are in a new environment, facing a new culture and way of learning. At LUT, we want to make sure you have all the information you need before starting your studies.

You will participate in orientation at the end of August during which you will connect with your fellow students, immerse yourself in this new experience, and get to know your new surroundings and the resources available to you. Orientation is a series of introductory events, activities, city tours and information sessions held before the start of the semester.

>> lut.fi/starting-studies

TUTORING SERVICES

All new students at LUT are assigned a peer tutor. The tutor will help you to settle in, find your way around the campus and the city and make you feel a little more at home.

» lut.fi/starting-studies

STUDY GUIDANCE

Making a study plan and keeping up with it is important. Our study counsellors and student advisors will help and guide you in matters related to your studies.

» lut.fi/study-guidance

CAREER SERVICES

You will start to prepare for a successful career from your first weeks at the university. Your own teacher tutor and our Career Services will guide you on the path towards your career goals.

We will help you on your professional development journey, starting from cultivating self-awareness, learning how the Finnish labour market works, and developing your job hunting skills and tools.

The university also hosts recruitment events for employers to provide you the best possible setting for networking.

» lut.fi/career-services

STUDENT LUNCH

LUT campus restaurants offer lunch made of high-quality raw materials produced ecologically and ethically. Students can enjoy healthy, balanced meals at a student discount at all the campus restaurants. The student discount is available to all degree and exchange students registered as attending and applies to all university campus restaurants in Finland. The discounted price for lunch is EUR 2.95.

- » lut.fi/lunch-lappeenranta
- » lut.fi/lunch-lahti



SPORTS AND WELL-BEING

Finland greatly values a work-life balance, and this applies also at LUT. Moveo offers LUT students sports and well-being services at an affordable price. The student sports pass costs EUR 30 per semester and provides access to a wide variety of activities and facilities, from a top-of-the-line gym to group fitness classes and ball game courts. The autumn semester pass is valid until the end of January and the spring semester pass until the end of August.

» lut.fi/moveo

STUDENT HEALTH CARE

University students receive health care services from the Finnish Student Health Service (FSHS). The FSHS provides a full range of medical services, including preventive, medical, mental and dental health care. The student union membership fee provides access to the FSHS services.

» yths.fi/en

CLUBS

Take a break from your studies every now and then and make time for your hobbies. The LUT University Student Union LTKY offers a wide range of clubs for you to join.

» lut.fi/clubs

ACADEMIC LIBRARY

At the LUT Academic Library, you can borrow printed books and journals or access databases, e-books and e-journals. The LUT Academic Library operates on the Lappeenranta and Lahti campuses. All students are automatically registered as library customers and have access to e-materials.

>> lut.fi/library





World's

HAPPIEST COUNTRY

Finland has been named the happiest country in the world for the seventh consecutive year, according to the World Happiness Report.

Finland is a land of countless lakes, forests, fells and archipelagos – it is one the most extensive and unspoiled natural environments in Europe. The country has the world's largest archipelago and Europe's largest lake district and last untamed wilderness - Lapland. Finland is a thriving Nordic country that aims to be carbon neutral by 2035. It has the cleanest air in the world, because the country is situated far from large sources of pollution and has successfully cut back on its own emissions. Finland has four very distinct seasons – temperatures may vary between -35°C and +35°C.

On the global scale, Finland is a small country. Its population makes up barely 0.07 per cent of the world's population and its land area as much of the world's total area. However, even a small country can become a world leader, and this is what Finland has done: in international comparisons, Finland is often among the top nations along with other Nordic countries.

More information:
>> visitfinland.com

FINLAND

- » is one of the world's top 10 most innovative and technologically advanced countries
- has one of the highest proportions of renewable energy consumption in the EU
- is the world's third most stable country
- is the second least corrupt country in the world
- is the third most gender equal country
- is one of the safest countries in the world

FACTS

Capital: Helsinki

Official languages:
Finnish and Swedish

Population:

5.5 million

Government:

Parliamentary democracy

Currency:

Euro (€)





LAPPEENRANTA campus

Our campus in Lappeenranta is located in the district of Skinnarila.

LUT's modern campus offers a compact combination of all the services students need. The campus has excellent sports and recreational facilities. Lake Saimaa and its surroundings provide ample opportunities for outdoor activities. Most student apartments are located within walking distance of the university. The university offers everything from laboratories to library services and from restaurants to health care – literally under one roof.

The Lappeenranta campus offers five bachelor's and 19 master's programmes in English.

» lut.fi/studying-lappeenranta



LAHTI campus

Our Lahti campus is located in the district of Niemi, three kilometres from the centre of Lahti.

The campus is a next-generation learning environment in a former factory building. Mixing the old and the new provides a unique and inspiring setting for learning and work. Lahti is in the intersection of highways and railway connections, which makes the city easily accessible. The campus provides students with everything they need: a library, lunch, sport facilities and near-by accommodation.

The Lahti campus offers three bachelor's and seven master's programmes in English.

» lut.fi/studying-lahti



KOUVOLA regional unit

The Kouvola unit is located in the city centre in a former shopping centre.

The building houses educational organisations, business support services and companies, making it an excellent platform for networking. The regional unit's main areas of expertise are technology and business innovations, railway logistics and food processing technology. The city of Kouvola enjoys convenient transport connections to all parts of Finland.

The unit offers two master's programmes in English: Innovation and Logistics, Food Processing Technology.

» lut.fi/studying-kouvola



MIKKELI regional unit

The regional unit in Mikkeli operates at two sites near the city centre.

Biological water treatment, a large algae laboratory and comprehensive analytical capabilities are the unit's specialties. The modern separation science laboratories are utilised for practical master's-level studies. In Mikkeli, students have everything they need, from lunch restaurants to sports facilities, not to mention the beautiful nature.

The unit offers one master's programme in English: Water Technology.

» lut.fi/studying-mikkeli

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Kouvola

EUR 300/month/person

>> Average rent for a studio EUR 400/month

You can submit an application for student accommodation with Kouvolan Asunnot Oy, which owns four apartment complexes for students. Most of the apartments are unfurnished, but some furnished ones are also available, and they are reserved primarily for international students.

Kouvolan Asunnot Oy offers shared apartments for two or three persons. In all student apartments, water, electricity, heating, an internet connection and the use of the laundry room and sauna are included in the rent.

Additionally, there are some family apartments available for families and couples. You can apply for family apartments when one spouse is enrolled as a student.

» kouvolanasunnot.fi/en

» loas.fi/en

» Rent for a shared apartment for two or three persons varies from EUR 265 to EUR 380/month/person

Mikkeli

You can submit an application for student accommodation with Mikkeli Student Housing MOAS. The apartments are in a good condition and regularly maintained by MOAS's own maintenance team. The most affordable housing option is shared apartments, which can be found at several locations.

MOAS offers 762 student apartments, including studios, one-bedroom, and two-bedroom apartments. Rent varies from EUR 220 to EUR 350/month.

The rent includes internet, water, electricity, and use of the laundry room and a shared sauna. In some units, tenants pay for electricity according to consumption.

Furnished apartments are available, and their rent includes a bed, a mattress, a desk, a chair, a kitchen table and chairs, a microwave, a fridge, and a stove.

» moas.fi/en

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TECHNOLOGY

Technology programmes at LUT respond to the rapidly growing need for sustainable technology solutions in modern industry.

LUT's technology graduates are experts in technological and economic development and sustainable well-being. Specialists in technology are constantly in demand.

Our studies focus on issues that require global action, such as climate change and the availability of clean water and energy.

With the wide range of ongoing technological advancements, we have a variety of technology-related programmes to suit your interests.

You can find a programme from the following fields:

- >> chemical engineering
- >> computational engineering
- » electrical engineering
- energy technology
- » environmental technology
- >> industrial engineering and management
- >> mechanical engineering
- software engineering

Technology programmes at LUT enable you to become an expert in the multidisciplinary field of engineering – a rapidly developing field with a wide range of career possibilities.

We offer bachelor's, master's and doctoral programmes in technology.

Why study technology at LUT?

1 WORLD-CLASS LABORATORIES:
Our laboratories, teaching facilities and learning hubs are designed to help you get the most out of your learning experience.
They incorporate the latest technology and equipment and allow interactive study, research and collaboration.

2 CLIMATE ACTION:
Our studies focus on technology that enables us to achieve carbon neutrality and climate targets.

J. HYNEMAN CENTER PROTOTYPING LAB:
Students can create and try new ideas and test prototypes in our famous J. Hyneman Center (JHC), which is located on the Lappeenranta campus.



Our passion is to provide engineering solutions for a sustainable world. Our research and education are striving for sustainable technologies and innovations in various fields of engineering.

Olli Pyrhönen Dean, LUT School of Energy Systems



Become an expert in computational engineering.

- Acquire strong knowledge of mathematics, computer science, and natural sciences.
- >> Learn to understand the principles of statistical data analysis, machine learning, and artificial intelligence.
- Learn to describe and solve real-world problems with algorithms.

PROGRAMME CONTENT

- » General studies, 84 ECTS credits foundations of mathematics, statistics and computer science, introduction to programming, basic physics
- » Intermediate specialisation studies, 58 ECTS credits artificial intelligence, machine learning, matrix calculus, optimisation, partial differential equations
- » Minor studies, 20 ECTS credits software engineering, energy systems, industrial engineering and management
- Language studies, 8 ECTS credits Finnish, English
- » Bachelor's thesis, 10 ECTS credits

Degree: Bachelor of Science in Technology

in Technology **Duration:** 3 years **Language:** English **Credits:** 180 ECTS credits **Location:** Lappeenranta

campus

Tuition fee: EUR 9 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. **Early bird and scholarships:**

available

Job options for graduates:

- Entrepreneur in sawmill industry digitalisation
- CEO of an industrial machine vision company
- >> AI product developer
- Product developer of medical imaging devices
- Computer vision developer in an environmental monitoring company

Read more about the programme:

» lut.fi/bsc-computational-eng

Become an expert in electrical engineering in the global energy transition towards sustainability.

- Search for solutions related to renewable energy, electrical machines, automation and control engineering.
- >> Play a key role in mitigating climate change and reforming modern society.
- >> Examine the production, transmission, distribution and use of electricity.

This is a double degree programme with Hebei University of Technology (HEBUT), China. You will complete the entire degree in Lappeenranta, Finland.

PROGRAMME CONTENT

- » General studies, 79 ECTS credits mathematics, physics, engineering design, mechanics, electronics, control systems, programming and electricity
- » Intermediate specialisation studies, 49 ECTS credits power systems, electrical drives, electrical circuits, digital design, mechatronics, embedded systems, EMC
- » Minor studies, 20 ECTS credits energy economics, practical engineering, innovation and entrepreneurship, sustainability science, Study Finnish – Live and Work in Finland, and Chinese business, culture and technology
- >>> Language studies, 19 ECTS credits Chinese, Finnish and English
- » Elective studies, 3 ECTS credits any courses at LUT
- » Bachelor's thesis, 10 ECTS credits

Degree: double degree from LUT and HEBUT, Bachelor of Science in Technology

Duration: 3 years Language: English Credits: 180 ECTS credits Location: Lappeenranta

campus

Tuition fee: EUR 9 000/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Scholarships: available

Job options for graduates:

- >> Technology manager
- Testing and automation engineer
- >> Design engineer
- >> Technical sales engineer
- >> Electricity company manager

Read more about the programme:

» lut.fi/bsc-elec-eng

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BACHELOR OF SCIENCE IN TECHNOLOGY



Find future technological solutions for safe, economical and sustainable energy.

- Find out how to convert natural energy resources such as water, wind or biomass into sustainable energy for human consumption as efficiently as possible.
- >> Examine the production, transmission, distribution and use of energy.
- Assess how energy production affects the environment, the economy and society.

This is a double degree programme with Hebei University of Technology (HEBUT), China. You will complete the entire degree in Lahti, Finland.

PROGRAMME CONTENT

- » General studies, 75 ECTS credits mathematics, physics, engineering design, mechanics, control systems, programming and electricity
- » Intermediate specialisation studies, 51 ECTS credits thermodynamics, heat transfer, nuclear power engineering, power plant engineering and energy economics
- » Minor studies, 20 ECTS credits energy economics, sustainability science, innovation and entrepreneurship, Finnish language and culture, and Chinese business, culture and technology
- Language studies, 19 ECTS credits Chinese, Finnish and English
- » Bachelor's thesis, 10 ECTS credits

Degree: double degree from LUT and HEBUT, Bachelor of Science in Technology Duration: 3 years

Duration: 3 years Language: English Credits: 180 ECTS credits Location: Lahti campus Tuition fee: EUR 9 000/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Scholarships: available

Job options for graduates:

- Sales representative, sales engineer
- Strategic, purchasing, or manufacturing assistant
- >> Maintenance technician
- >> Technical support

Read more about the programme:

» lut.fi/bsc-energy-tech

Become an expert with the ability to build bridges between technology and business.

- » Understand an organisation's processes, operation models and personnel in a contemporary business environment.
- » Apply technical problem-solving skills to analyse and develop business operations in a digitalising industry environment.
- >> Recognise the possibilities to start your own business.
- » Analyse the challenges of sustainable business models and apply alternative methods to solve them.

Degree: Bachelor of Science in Technology Duration: 3 years Language: English Credits: 180 ECTS credits Location: Lahti campus Tuition fee: EUR 9 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships: available

PROGRAMME CONTENT

- » General studies, 69 ECTS credits industrial engineering, industrial economy, mathematics, physics, software engineering, project management, marketing, languages and communication
- » Intermediate specialisation studies, 77 ECTS credits industrial production processes, inventive design and creativity, innovation management, performance measurement, entrepreneurship, networks and ecosystems, data analytics, supply chain management
- Minor studies, 24 ECTS credits software engineering, energy technology
- Elective studies any courses at LUT
- » Bachelor's thesis, 10 ECTS credits

Job options for graduates:

- Development and operations manager
- >> Business controller
- Investment analyst
- Marketing analyst
- >> Solution design owner
- >> Digital development lead
- >> Logistics manager
- >> Sales manager
- >> Supply chain and availability expert
- » Quality and risk manager
- >> Life-cycle service manager

Read more about the programme:

» lut.fi/bsc-ind-eng

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Become an expert in solutions for product and system development with a view to sustainability.

- >> Examine and apply modern design and manufacturing processes to provide effective and sustainable solutions.
- >> Utilise both digital and virtual design environments to solve today's industrial problems and come up with futuristic solutions.
- >> Explore and evaluate cutting-edge engineering using metal structural design and applications, robotic welding, mechatronics and mechanics.

This is a double degree programme with Hebei University of Technology (HEBUT), China. You will complete the entire degree in Lappeanranta, Finland. The programme has a EUR-ACE label and ASIIN accreditation.

PROGRAMME CONTENT

- » General studies, 88 ECTS credits mathematics, physics, engineering design, mechanics, materials, control systems and programming
- » Intermediate specialisation studies, 40 ECTS credits mechatronics, robotics, production engineering, FE analysis, machine design and principles, manufacturing
- Minor studies, 20 ECTS credits energy economics, sustainability science, Finnish language and culture, and Chinese business, culture and technology
- » Language studies, 10–19 ECTS credits Chinese, Finnish and English
- Elective studies, credits to complete the degree any courses at LUT
- » Bachelor's thesis, 10 ECTS credits

Degree: double degree from LUT and HEBUT, Bachelor of Science in Technology Duration: 3 years Language: English Credits: 180 ECTS credits Location: Lappeenranta campus

Tuition fee: EUR 9 000/year for non-EU/EEA citizens.
No fee for EU/EEA citizens.
Scholarships: available

Job options for graduates:

- >> Virtual designer
- » Design engineer
- >> Production engineer
- >> Quality control engineer
- Welding and metal industry expert

Read more about the programme:

» lut.fi/bsc-mechanical-eng

Tackle challenges with software engineering.

- >> Use your programming skills to address future challenges such as digitalisation or the new needs of the business world.
- Solve organisational and societal problems by introducing new software services, products or systems to assist or inform people.
- » Design software solutions that will make things faster, less expensive and more efficient for us in the future.

This is a double degree programme with Hebei University of Technology (HEBUT), China. You will complete the entire degree in Lahti, Finland.

PROGRAMME CONTENT

- » General studies, 44 ECTS credits software engineering, introduction to programming, project management, principles of C programming, mathematics
- » Intermediate specialisation studies, 91 ECTS credits object-oriented programming, user interfaces and usability, web programming, software testing, smart systems, capstone project, cyber security
- » Minor studies, 20 ECTS credits sustainability science, practical engineering, innovation and entrepreneurship, technology in China, industrial engineering and management, Finnish language and culture
- >> Language studies, 19 ECTS credits English, Finnish, Chinese
- Elective studies, 2 ECTS credits any courses at LUT
- » Bachelor's thesis, 10 ECTS credits

Degree: double degree from LUT and HEBUT, Bachelor of Science in Technology Duration: 3 years Language: English Credits: 180 ECTS credits Location: Lahti campus Tuition fee: EUR 9 000/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Scholarships: available

Job options for graduates:

- >> Software developer
- » Requirements engineer
- >> Database administrator
- >> User experience specialist

Read more about the programme:

» lut.fi/bsc-software-eng

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RACHELOR OF SCIENCE IN TECHNOLOGY



Become an expert in multidisciplinary fields of engineering.

- ightharpoonup Come up with innovative ways to address global sustainability challenges.
- Learn to use materials to prevent social and environmental harm.
 Integrate studies in mechanical engineering, electrical engineering, energy technology and environmental technology.

The programme has a EUR-ACE label and ASIIN accreditation.

PROGRAMME CONTENT

- » General studies, 102 ECTS credits engineering mathematics and physics, engineering mechanics, engineering thermodynamics, 3D modelling and technical documentation, business and sustainability
- » Intermediate specialisation studies, 49-50 ECTS credits
 In the second year, you will specialise in one of four fields. Each specialisation includes an internship either in Finland or abroad. Electrical engineering: laboratory course, introduction to embedded systems, mechatronics.

 Energy technology: machines and processes in energy technology, power plant engineering, laboratory courses.

 Environmental technology: sustainable system transition, environmental labelling, life cycle assessment.

 Mechanical engineering: mechatronics, FE analysis, engineering mechanics.
- » Language studies, 13 ECTS credits
- Elective studies, 5-6 ECTS credits any courses at LUT
- » Bachelor's thesis, 10 ECTS credits

Degree: Bachelor of Science

in Technology

Duration: 3 years

Language: English

Credits: 180 ECTS credits

Location: Lappeenranta

campus

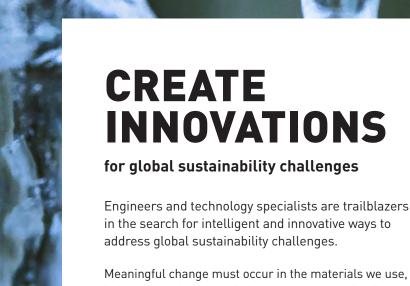
Tuition fee: EUR 9 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships: available

Job options for graduates:

- >> Emissions expert
- >> Sustainability specialist
- Testing and automation engineer
- >> Electricity grid specialist

Read more about the programme:

>> lut.fi/bsc-tech-eng



Meaningful change must occur in the materials we use, in how we make things, in how we generate, distribute and use energy, and in how we prevent environmental and social harm. Since the main challenges of our time are global, there is a need for multicultural and multidisciplinary education.

In our bachelor's programmes in technology, you will acquire a broad foundation of knowledge and diverse range of skills that will prepare you for the challenges of the future.

Each programme gives you the possibility to continue your studies at the master's level at LUT University in your chosen field of specialisation.

There is nothing more rewarding than providing an engineer with the tools to get a job done.

Michael Child, Head of Bachelor's Programme in Technology and Engineering Science

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BACHELOR OF SCIENCE IN TECHNOLOGY



Learn to develop new solutions for utilising renewable and recycled biomass.

- Acquire skills in designing, planning, assessing and operating sustainable biorefining processes.
- » Learn about renewable feedstocks and bio-based products and their markets.
- Specialise in modern and emerging biorefining technology and design approaches.

The programme has a EUR-ACE label and ASIIN accreditation.

Degree: Master of Science

in Technology
Duration: 2 years
Language: English
Credits: 120 ECTS credits
Location: Lahti campus
Tuition fee: EUR 13 500/year
for non-EU/EEA citizens.
No fee for EU/EEA citizens.

Early bird and scholarships:

available

Focus on a carbon-neutral chemical industry.

- » Become an expert in intensified cost- and energy-saving processes.
- Learn how to design and develop processes that turn renewable power into carbon-neutral fuels and chemicals.
- >> Learn how to work in process design project teams.

The programme offers a possibility for double degree studies. It has a EUR-ACE label and ASIIN accreditation.

Degree: Master of Science

in Technology **Duration:** 2 years **Language:** English

Credits: 120 ECTS credits
Location: Lappeenranta

campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens.
No fee for EU/EEA citizens.
Early bird and scholarships:

available

PROGRAMME CONTENT

- » Core studies, 19 ECTS credits research methodology, technology and society, sustainability
- » Advanced specialisation studies, 58 ECTS credits advanced biorefineries, bioenergy, development of new sustainable products, chemical and biochemical conversion of biomass, separation technologies (filtration, membranes, adsorption, extraction), wastewater treatment, bioeconomy Capstone course, 10 ECTS credits: Biorefinery process development project
- » Elective studies, credits to complete the degree any courses at LUT
- » Master's thesis, 30 ECTS credits

Job options for graduates:

- » Product development engineer
- >> Process design engineer
- >> Entrepreneur
- >> Researcher

Read more about the programme:

>> lut.fi/biorefineries

PROGRAMME CONTENT

- Core studies, 9 ECTS credits research methodology, internship
- » Advanced specialisation studies, 45–76 ECTS credits Compulsory studies: reactor modelling, fluid dynamics, advanced process simulation, process intensification, gas treatment, product and process design. Alternative studies: process data analysis, process simulation and monitoring applications, biorefineries, bioenergy technologies, chemical separation methods, circular economy, Power-to-X, electrochemistry
- » Elective studies, credits to complete the degree any courses at LUT
- » Master's thesis, 30 ECTS credits

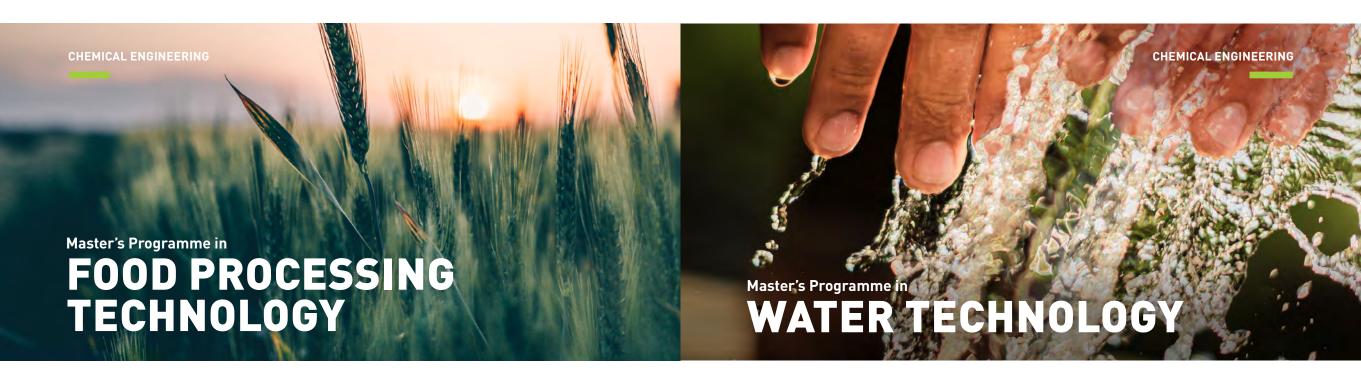
Job options for graduates:

- Research and development specialist
- >> Design and project engineer
- Production engineer and manager
- Environmental and safety engineer

Read more about the programme:

» lut.fi/chemical-eng

24 MASTER OF SCIENCE IN TECHNOLOGY MASTER OF SCIENCE IN TECHNOLOGY 24 MASTER OF SCIENCE IN TECHNOLOGY



Learn about processing technologies in food manufacturing.

- » Obtain scientific and technological knowledge for a career as a chemical engineer in the food processing industry or equipment manufacture.
- » Create new sustainable solutions as a response to major global challenges in food technologies.
- » Develop knowledge of the modern and future food processing technologies.

PROGRAMME CONTENT

- Core studies, 10 ECTS credits introduction to MSc studies and food processes, laboratory safety and research methodology
- » Advanced specialisation studies, 50-60 ECTS credits Compulsory studies: food processing technologies, microbiology, fermentation, analysis and characterisation methods and a project work course in food processes Alternative studies: different unit operations, such as powder processes, mixing and solid-liquid separation, the circular economy, process simulation, modelling and wastewater treatment
- » Elective studies, credits to complete the degree any courses at LUT
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Technology
Duration: 2 years
Language: English
Credits: 120 ECTS credits
Location: Kouvola unit
Tuition fee: EUR 13 500/year for non-EU/EEA citizens.
No fee for EU/EEA citizens.
Early bird and scholarships:

Job options for graduates:

>> Process engineer

available

- >> Laboratory manager
- Development engineer in the food industry or manufacturing and technology companies focusing on food processes

Read more about the programme:

» lut.fi/food-tech

Focus on sustainable water treatment and water reuse.

- » Become an expert in novel, sustainable materials and technologies for water treatment.
- Learn about advanced water treatment technologies, covering conventional water purification, advanced oxidation, and various separation methods.
- Acquire the latest knowledge about chemical engineering in water treatment.

The programme has a EUR-ACE label and ASIIN accreditation.

PROGRAMME CONTENT

- Core studies, 9 ECTS credits laboratory safety, research methodology
- » Advanced specialisation studies, 61–81 ECTS credits Compulsory studies: sustainable water use, water treatment technologies, instrumental water analysis, solid-liquid separation, modelling of water treatment processes, research projects Alternative studies: precipitation, crystallisation, coagulation and flotation methods in water treatment, membrane technology, advanced materials in adsorption and ion exchange, solutions and electrochemistry
- » Minor studies, 0–20 ECTS credits advanced process engineering, bio-based chemical engineering and advanced chemistry
- » Elective studies, credits to complete the degree any courses at LUT
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Technology Duration: 2 years Language: English

Credits: 120 ECTS credits
Location: Mikkeli unit
Tuition fee: EUR 13 500/year

for non-EU/EEA citizens. No fee for EU/EEA citizens. **Early bird and scholarships:**

available

Job options for graduates:

- » Research and development specialist
- >> Water treatment plant manager
- >> Water treatment specialist
- >> Environmental specialist
- >> Research scientist

Read more about the programme:

» lut.fi/water-tech

26 MASTER OF SCIENCE IN TECHNOLOGY MASTER OF SCIENCE IN TECHNOLOGY 26 MASTER OF SCIENCE IN TECHNOLOGY



Become an expert in data-driven engineering and science.

- » Gain deep understanding of data-centric engineering and uncertainty quantification or computer vision and pattern recognition.
- » Understand physical phenomena and solve industrial and socioeconomic problems cost-efficiently using computational tools.
- » Specialise in simulating complex systems and improving their functionality or in creating algorithms transforming data into knowledge.

The programme offers a possibility for double degree studies.

PROGRAMME CONTENT

» Advanced specialisation studies in one of two fields, 50 ECTS credits

Applied mathematics: inverse problems, computational statistics, numerical analysis, partial differential equations, and probabilistic machine learning

Computer vision and pattern recognition: computer vision and machine vision, pattern recognition and data analytics based on machine learning, digital imaging, image processing and analysis

- » Minor studies, 20–24 ECTS credits business analytics, software engineering and digital transformation, embedded systems and communications
- » Elective studies, credits to complete the degree any courses at LUT, incl. business and management studies
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Technology Duration: 2 years Language: English Credits: 120 ECTS credits Location: Lappeenranta

campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships: available

Job options for graduates:

- Artificial intelligence and machine learning engineer
- Computer vision and pattern recognition expert
- Modelling and simulation engineer in industry
- >> Academic positions

Read more about the programme:

» lut.fi/data-centric-eng

Become an expert in applied, industrial, and experimental physics.

- Develop skills in applied physics focusing on semiconductor technology, smart materials, superconductors, experimental physics instrumentation, and computational physics, including data analysis of experiments.
- >> Learn the basic theory, problem-solving practices, and computational and experimental methods of applied physics.
- » Utilise physics in various fields, including the development of clean energy, communication and information technologies, and health and environmental sciences.

Degree: Master of Science in Technology Duration: 2 years Language: English

Credits: 120 ECTS credits
Location: Lappeenranta

campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships:

available

PROGRAMME CONTENT

- » Advanced specialisation studies, 56 ECTS credits semiconductors, superconductors, functional magnetic and magnetocaloric materials, nanostructures, microelectronics, optoelectronics, spintronics, quantum technologies, applied physics instrumentation, and data analysis in experimental physics
- » Minor studies, 20–24 ECTS credits, select from materials science, applied mathematics, data analytics and pattern recognition, renewable energy, and energy efficiency. You can also complete the minor subject during student exchange abroad upon application
- » Elective studies, credits to complete the degree any courses at LUT, including language or business and management courses
- » Master's thesis, 30 ECTS credits

Job options for graduates:

- >> Physicist
- >> Project engineer
- >> Researcher
- >> R&D specialist

Read more about the programme:

» lut.fi/applied-physics

28 MASTER OF SCIENCE IN TECHNOLOGY



Be at the forefront of tomorrow's technological evolution.

- » Electrical technology and electronics have a significant influence on all aspects of society. Our lives are deeply intertwined with them, and our reliance on electricity will increase in the future.
- » Specialise in electrical drives, electronics, or control engineering, wireless communication and automation.
- » Delve into theory and apply it in our cutting-edge laboratories.

The programme offers a possibility for double degree studies. It has a EUR-ACE label and ASIIN accreditation.

PROGRAMME CONTENT

- » Core studies, 27 ECTS credits technology and society, energy efficiency, laboratories, power electronic converters, applied mathematics
- Advanced specialisation studies, 39 ECTS credits, select one of the following electronics; electric drives and power electronics; control. communication and automation
- Minor studies, min. 20 ECTS credits any minor at LUT
- » Elective studies, credits to complete the degree any courses at LUT, incl. language courses
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Technology Duration: 2 years Language: English Credits: 120 ECTS credits Location: Lappeenranta

campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. **Early bird and scholarships:**

available

Job options for graduates:

- >> Chief technology officer
- >> Test engineer
- >> Automation engineer
- >> Production development manager
- >> Sales manager
- >> Design engineer
- >> Researcher

Read more about the programme:

» lut.fi/electrical-eng

Get a profound understanding of electric transportation systems.

- » Learn which technology solutions to apply to the development of future electric transportation systems.
- Acquire skills to compare different energy storage options and choose suitable ones for different applications.
- Learn to analyse the role and influence of electric vehicles in the energy system and the power and energy transmission of electric vehicles – from the grid to the drivetrain.
- » Obtain knowledge of power electronics related to transportation systems and apply it to, for example, the development of flexible charging systems.

PROGRAMME CONTENT

- » Core studies, 25 ECTS credits fundamentals of electric transportation systems, power electronic converters, applied mathematics, laboratory work
- » Advanced specialisation studies, 40 ECTS credits energy markets, energy storages, electrical machines, electric drives and power electronics, embedded systems
- » Minor studies; select one of the following: Mechanical Engineering for Electrified Transportation Systems, 20 ECTS credits; Circular Economy 20 ECTS credits; Industrial Engineering and Management, 20 ECTS credits; Finnish language and culture. Alternatively, you can specialise in advanced topics in power electronics, electric and hybrid drivetrains, and wireless communication systems to complete alternative specialisation studies, 20 ECTS credits
- » Elective studies, credits to complete the degree any courses at LUT
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Technology Duration: 2 years Language: English Credits: 120 ECTS credits Location: Lahti campus Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships: available

Job options for graduates:

- >> Application specialist
- >> Integration engineer
- >> Technical project manager
- >> Design engineer

Read more about the programme:

» <u>lut.fi/electric-</u> transportation-systems



Become a professional in efficient energy use for a sustainable future.

- Specialise in Power-to-X conversion and systems of a renewable electricity-based economy.
- » Learn to apply theories of electrical engineering to practical electrotechnical solutions.
- » Explore electrochemical conversion and storage for efficient and sustainable energy systems.
- » Get a new perspective on industrial and consumer-oriented energy products.

PROGRAMME CONTENT

- » Core studies, 27 ECTS credits technology and society, energy efficiency, laboratories, power electronic converters, applied mathematics
- » Advanced specialisation studies, min. 39 ECTS credits energy markets, energy resources, renewable energy technology, energy scenarios, electrochemical energy conversion and storage of electricity
- Minor studies, min. 20 ECTS credits any minor at LUT
- » Elective studies, credits to complete the degree any courses at LUT, incl. language courses
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Technology Duration: 2 years Language: English Credits: 120 ECTS credits Location: Lappeenranta campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. **Early bird and scholarships:**

available

Job options for graduates:

- Technology and product development manager
- >> Process engineer
- >> Power-to-X specialist in industry
- >> Electricity company manager
- >> Technical sales engineer
- >>> Researcher in academia or industry
- >> Chief technology officer

Read more about the programme:

» lut.fi/p-to-x

Learn to understand different aspects of energy production and conversion.

- Learn to analyse, design and select technologically, economically, environmentally and societally relevant energy conversion processes for different applications.
- » Apply and develop mathematical models to address energy-related challenges.
- » Design energy systems for a sustainable future.

The programme offers a possibility for double degree studies. It has a EUR-ACE label and ASIIN accreditation.

PROGRAMME CONTENT

- » Core studies, 21 ECTS credits energy and society, applied mathematics, power plant design, bioenergy
- Advanced specialisation studies, 41 ECTS credits fluid machinery, steam turbines, steam boilers, thermal design of steam boilers, energy systems engineering, bioenergy technology solutions, bioenergy and energy use in the forest industry, maintenance management, district heating
- » Minor studies, 20 ECTS credits environmental responsibility, renewable energy and energy efficiency, bio-based chemical engineering, business studies, Finnish language and culture
- » Elective studies, credits to complete the degree any courses at LUT
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Technology Duration: 2 years Language: English Credits: 120 ECTS credits Location: Lappeenranta

campus
Tuition fee: EUR 13 500/year
for non-EU/EEA citizens.
No fee for EU/EEA citizens.
Early bird and scholarships:

available

Job options for graduates:

- » R&D engineer
- >> Energy specialist in consulting
- Managerial positions in energy production
- Sales manager in the energy equipment industry
- >> Senior design engineer

Read more about the programme:

» lut.fi/energy-conversion



Learn how to utilise nuclear power safely.

- >> Learn to understand how different energy technology equipment, plants, processes and systems relate to nuclear energy.
- >> Understand the nuclear fuel cycle.
- >> Find out about protection against ionising radiation.

The programme has a EUR-ACE label and ASIIN accreditation.

PROGRAMME CONTENT

- » Core studies. 28 ECTS credits
- nuclear power plant engineering, applied mathematics, maintenance management, energy and society, sustainability in a sociotechnological context
- » Advanced specialisation studies, 41 ECTS credits

nuclear reactor design, computational nuclear thermal hydraulics, nuclear reactor physics methods, nuclear reactor physics analyses, nuclear reactor dynamics, steam turbines, theoretical nuclear thermal hydraulics, experimental nuclear thermal hydraulics, fluid machinery

» Minor studies, 20 ECTS credits

renewable energy and energy efficiency, environmental responsibility, modelling of energy systems, Finnish language and culture

- » Elective studies, credits to complete the degree any courses at LUT
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Technology Duration: 2 years Language: English

Credits: 120 ECTS credits
Location: Lappeenranta

campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships:

available

Job options for graduates:

- >> Design engineer
- >> Reactor engineer
- >> Safety engineer
- >> Radiation protection engineer
- >> Researcher
- >> Nuclear plant director

Read more about the programme:

» lut.fi/nuclear-eng

Become a professional in modern and sustainable energy systems.

- » Acquire professional skills to work as a specialist in energy technology.
- » Obtain competence to design and analyse sustainable and modern energy systems.
- » Learn how new and sustainable energy systems, such as storages, P2X, and heat pumps, are integrated into existing energy production and consumption, including economic, environmental and societal aspects.
- Focus on modelling, solving, and analysing energy-related problems and designing relevant technology, processes and systems.

Degree: Master of Science in Technology Duration: 2 years Language: English Credits: 120 ECTS credits Location: Lappeenranta

campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens.

Early bird and scholarships:

available

PROGRAMME CONTENT

- >> Core studies, 23 ECTS credits
- energy economics, power plant design, energy-related societal topics, and applied mathematics
- » Advanced specialisation studies, 39 ECTS credits sustainability, heat pumps, energy storages, energy markets, energy carriers, energy planning, energy systems engineering,
- » Minor studies, 20-30 ECTS credits renewable energy and energy efficiency, software engineering and digital transformation, business studies, industrial engineering and management, Finnish language and culture
- » Master's thesis, 30 ECTS credits

fluid machinery, district heating

Job options for graduates:

- >> R&D engineer
- >> Energy specialist in consulting
- Managerial positions in energy production
- Sales manager in the energy equipment industry
- >> Senior design engineer

Read more about the programme:

» lut.fi/ses



Become an expert in improving resource efficiency to promote the circular economy.

- >> Explore ways to keep materials and other resources at their highest value while minimising waste, energy use and emissions.
- >> Find out about innovative approaches to circularity, new technologies and systemic transitions.
- >> Learn to create sustainable business models based on the principles of a circular economy.

PROGRAMME CONTENT

» Core studies, 32 ECTS credits

basics of the circular economy and global sustainability challenges, approaches to sustainability in a socio-technological context, dynamics of system transitions, interplay between technology and society

- >> Advanced specialisation studies, 29 ECTS credits deeper understanding of waste management technologies. traffic systems, different cycles in a circular economy, mechanisms enabling sectoral sustainability transitions
- » Minor studies, 20-24 ECTS credits for example: energy technology, innovation and performance management, entrepreneurship, urban ecology, sustainability science, Finnish language and culture
- >> Elective studies, credits to complete the degree for example: life-cycle assessment, pollution control, business and sustainability, materials processing
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Technology **Duration:** 2 years Language: English Credits: 120 ECTS credits Location: Lahti campus Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships: available

Job options for graduates:

- >> Sustainability specialist
- >> Environmental consultant
- >> Expert in urban/regional planning
- >> Developer of circular business models
- >> Officer in environmental administration

Read more about the programme:

» lut.fi/circular-economy

Take on global environmental challenges through systems thinking.

- >> Understand the broader context of environmental challenges to identify more sustainable solutions through life cycle assessment.
- >> Recognise opportunities offered by new technological innovations to promote sustainable development.
- >> Solve environmental problems in a way that profits both business and the environment.

The programme offers a possibility for double degree studies. It has a EUR-ACE label and ASIIN accreditation.

PROGRAMME CONTENT

- » Core studies, 38 ECTS credits
- life cycle assessment, system transition, energy efficient environment, business and sustainability, renewable energy technology
- >> Advanced specialisation studies, 24 ECTS credits air pollution control, sustainable water use, waste management technology, circular economy for materials processing
- » Minor studies, 20-24 ECTS credits renewable energy and energy efficiency, international business and management, bio-based chemical engineering, energy technology, Finnish language and culture
- » Elective studies, credits to complete the degree sustainability and IT, water treatment, sustainable strategy, energy in traffic systems
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Technology **Duration:** 2 years Language: English Credits: 120 ECTS credits

Location: Lappeenranta

campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships: available

Job options for graduates:

- >> Environmental specialist
- >> Emissions specialist
- >> Sustainability specialist
- >> Environmental authority
- >> Environmental and safety specialist in industry

Read more about the programme:

» lut.fi/sustainability-science



Find ways to transform ideas into innovations and business value.

- » Understand the impact of global megatrends on innovation management in firms.
- >> Learn to work in an international, constantly changing and networked environment.
- » Explore the future challenges of industry and learn to cope with them.

The programme offers a possibility for double degree studies. It has a EUR-ACE label and ASIIN accreditation.

PROGRAMME CONTENT

- » Core studies, 31 ECTS credits
- technology and innovation management, academic writing, research methods in management, creative design, system modelling, start-ups and venture formation
- Advanced specialisation studies, 35 ECTS credits inventive product design and advanced TRIZ, intellectual property in technology management, intelligent product-service systems
- » Minor studies, 24 ECTS credits, select from environmental responsibility, software engineering and digital transfomation, circular economy, embedded systems and communications, bio-based chemical engineering, electric transportation systems
- » Elective studies, credits to complete the degree any courses at LUT
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Technology Duration: 2 years Language: English Credits: 120 ECTS credits Location: Lappeenranta campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships:

available

Job options for graduates:

- >> Product manager
- >> Development manager
- >> Business analyst
- >> Project manager
- Innovation consultant/ researcher

Read more about the programme:

» lut.fi/gmit

Become a top expert in international logistics and innovation.

- Focus on experiential learning, sustainability and digital transformation.
- » Specialise in innovation and logistics and learn from top academic and industry experts.
- » Develop an entrepreneurial, critical and innovative mindset to handle business challenges with global and local industrial companies.

PROGRAMME CONTENT

- Core studies, 25 ECTS credits management in logistics and innovation, digital transformation and sustainability, research methods and analytics
- » Advanced specialisation studies, 41 ECTS credits analytics in logistics and innovation, entrepreneurship, new technology commercialisation and venturing, supply chain risk management, open innovation and ecosystems, industry 5.0 in logistics and innovation
- Minor studies, 24 ECTS credits, select from sustainable energy, environmental responsibility, software engineering, circular economy, advanced material engineering, mechanical engineering, chemical and process engineering
- » Elective studies, credits to complete the degree any courses at LUT
- >> Master's thesis 30 ECTS credits

Degree: Master of
Science in Technology
Duration: 2 years
Language: English
Credits: 120 ECTS credits
Location: Kouvola unit
Tuition fee: EUR 13 500/year
for non-EU/EEA citizens.
No fee for EU/EEA citizens
Early bird and scholarships:
available

Job options for graduates:

- Head of a logistics or innovation unit
- Expert in international innovation and logistics
- >> Project manager
- Entrepreneur and business owner
- Researcher in academia or business

Read more about the programme:

» lut.fi/inlog



Manage development in organisations with an innovative and multidisciplinary approach.

- » Apply technological, economic, and human knowledge to resolve real-life business and organisational problems.
- >> Find ways to apply innovative thinking that benefits organisations and networks
- » Learn to imagine and envision possible futures to make better decisions in organisations.

Degree: Master of Science in Technology Duration: 2 years Language: English Credits: 120 ECTS credits Location: Lahti campus Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships:

PROGRAMME CONTENT

- » Core studies, 25 ECTS credits digitalisation and organisational renewal, performance management, patents and standardisation, strategic thinking
- » Advanced specialisation studies, 41 ECTS credits business and innovation ecosystems, leadership roles and practices, foresight and creativity methods, sustainability
- » Minor studies, 24 ECTS credits, select from minor subjects in technology; e.g., software and system engineering, energy technology and circular economy
- Elective studies, credits to complete the degree any courses at LUT
- » Master's thesis, 30 ECTS credits

Job options for graduates:

- >> Development manager
- >> Innovation consultant
- Continuous improvement manager
- >> Project engineer

available

» Innovation specialist/ researcher

Read more about the programme:

» lut.fi/mod

Become an expert in product development meeting the demands of end users and the environment.

- » Specialise in product development: a combination of product design, manufacturing processes, ergonomics, material development, aesthetics and sustainability.
- Focus on the design and development of innovative products or production processes.
- » Utilise modern manufacturing technologies, design skills, and new materials through close cooperation with industries.

The programme has a EUR-ACE label and ASIIN accreditation.

Degree: Master of Science in Technology Duration: 2 years Language: English Credits: 120 ECTS credits Location: Lahti campus Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships: available

PROGRAMME CONTENT

- Core studies, 31 ECTS credits research methods and methodologies, principles of industrial manufacturing processes, selection criteria of materials, modern management and leadership in engineering
- Advanced specialisation studies, 52 ECTS credits integration of user centricity and circular design in product development, presentation methods, strategic design, structures, materials and production processes
- » Elective studies, min. 7 ECTS credits
- » Master's thesis, 30 ECTS credits

Job options for graduates:

- >> Industrial designer
- >> Design engineer
- >> Product designer
- >> Brand manager
- » Production manager
- >> Interaction designer
- >> Packaging designer
- >> Researcher

Read more about the programme:

» lut.fi/industrial-design-eng



Solve problems of product design, material selection, material development or production design.

- » Take a systematic and analytical approach to practical mechanical engineering tasks in the field of material science.
- » Focus on the importance of material selection and the required solutions of production technology as a part of the multidisciplinary design process of products.
- >> Apply the principles of modelling of metallic and composite materials.
- » Understand the importance of materials and manufacturing processes in P2X technologies and SDGs.

PROGRAMME CONTENT

» Core studies, 30-31 ECTS credits

research methods and methodologies, 3D forming and converting of materials, selection criteria of materials, reliability-based machine element design, principles of industrial manufacturing processes, advanced additive manufacturing and 3D printing, leadership and management

- » Advanced specialisation studies, 41 ECTS credits introduction to materials engineering, sustainable manufacturing of compecite materials and products, smart materials and
- of composite materials and products, smart materials and nanotechnology, sustainable sheet metal product fabrication, modelling of metallic and composite materials, recycling processes for materials in a circular economy, circular economy for materials processing, welding and laser processing of metals
- » Elective studies, min. 19 ECTS credits, credits to complete the degree, any courses at LUT
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Technology Duration: 2 years Language: English Credits: 120 ECTS credits Location: Lappeenranta

campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships:

available

Job options for graduates:

- >> Material development manager
- >> Product manager
- >> Material production manager
- » Material quality manager
- Expert in environmental and sustainability affairs
- Material standardisation manager
- » Material scientist or researcher

Read more about the programme:

» lut.fi/materials-science-andtechnology

Master the art of modern mechatronics.

- » Explore the essentials of mechatronic systems, covering mechanical engineering, electronics, programming, and control systems.
- Engage with advanced topics like artificial intelligence, digital twins, autonomous systems, and intuitive user interfaces, positioning you at the forefront of mechatronics.
- » Develop skills in industrial automation, robotics, and smart machines through practical industry projects and laboratory work.
- » Design mechatronic systems with a focus on energy and material efficiency, emphasising environmental sustainability.

Degree: Master of Science in Technology Duration: 2 years Language: English Credits: 120 ECTS credits Location: Lahti campus Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships: available

PROGRAMME CONTENT

» Core studies, 35 ECTS credits

General studies: research methods and methodologies, reliability-based engineering, leadership and management Engineering studies: principles and applications of manufacturing processes, material selection, simulation of mechatronic machines, engineering in a digitised environment

- » Advanced specialisation studies, 45 ECTS credits digital engineering, robotics and mechatronics
- » Elective studies, min. 10 ECTS credits any business-oriented studies, language studies, etc.
- » Master's thesis, 30 ECTS credits

Job options for graduates:

- >> Production manager
- Mechatronics designer
- >> Automation specialist
- » Robotics engineer
- >> Design manager
- >> Engineering specialist

Read more about the programme:

» lut.fi/mechatronics



Become an expert in modern mechanical engineering.

- >> Learn to utilise fully digitised design, simulation and production environments in different areas of mechanical engineering.
- >> Find out about the special features of mechanical engineering design, IoT, the automatised and robotised production and manufacture of products, material selection, and modelling.
- Learn about computer-aided design technologies and technoeconomically efficient production methodologies integrated with the utilisation and development of advanced materials.

The programme offers a possibility for double degree studies. It has a EUR-ACE label and ASIIN accreditation.

PROGRAMME CONTENT

» Core studies, 30 ECTS credits

General studies: research methods and methodologies, reliability-based engineering, leadership and management Engineering studies: principles and applications of manufacturing processes, material selection, simulation of mechatronic machines, engineering in a digitised environment

» Advanced specialisation studies, 39-55 ECTS credits, select two course packages from

welding technology and laser processing, composites and hybrid materials, steel structures, robotics and mechatronics, sustainable manufacturing processes, digital engineering

» Elective studies, min. 10 ECTS credits business-oriented studies, language studies, etc., freely chosen by the student

reety chosen by the student

Degree: Master of Science in Technology Duration: 2 years Language: English Credits: 120 ECTS credits Location: Lappeenranta

campus **Tuition fee:** EUR 13 500/year
for non-EU/EEA citizens.
No fee for EU/EEA citizens.

Early bird and scholarships: available

Job options for graduates:

- >> Production manager
- >> Production supervisor
- >> Design manager
- >> Automation specialist
- >> Quality manager
- Engineering specialist

Read more about the programme:

» lut.fi/mechanical-eng

Become an expert in the development of human-centred digital services.

- >> Learn to analyse a problem and identify and elicit human-centred needs and values for digital services.
- » Design, develop and evaluate data-driven and connected software-intensive smart services.
- » Apply, evaluate, and adapt software processes and software development tools to meet the needs of human-driven digital services.
- » Analyse, develop and manage new software-based digital services in the industry.

Degree: Master of Science in Technology Duration: 2 years Language: English Credits: 120 ECTS credits Location: Lahti campus Tuition fee: EUR 13 500/year for non-EU/EEA citizens.

No fee for EU/EEA citizens.

Early bird and scholarships:

PROGRAMME CONTENT

» Core studies, 31 ECTS credits

software engineering models and methods, requirements engineering, user experience design, project on holistic digital service development

» Advanced specialisation studies, 48 ECTS credits

Compulsory studies: service design, intelligent systems and services, cloud services and infrastructure, full stack development Alternative studies: a wide variety of courses to deepen your knowledge in areas such as game development or data-intensive systems

- » Elective studies, credits to complete the degree any courses at LUT
- » Master's thesis, 30 ECTS credits

Job options for graduates:

- » Digital service engineer
- » Cloud service engineer
- >> Smart service developer
- >> Service designer

available

- >> Project manager
- >> Software engineer
- >> Software systems architect
- >> Team leader
- >> Full stack developer

Read more about the programme:

» lut.fi/dssd

» Master's thesis 30 ECTS credits

SOFTWARE CHANGES THE WORLD

Software and technology are increasingly important in our daily lives. With the aid of digitalisation, the structures, trends and operating methods of society are being renewed and expanded, offering countless opportunities for IT experts.

Programming skills give you the tools to deal with important societal challenges. These challenges can relate to, for example, digitalisation, reducing energy consumption, the research and development needs of the business world, guiding consumer behaviour towards sustainability, or simply solving a societal or organisational problem by introducing a new software service, product or system to provide assistance and information.

Whatever challenges the future holds for the fields of engineering, science and technology, one thing is certain: they will involve software development and programming. Not everyone should become a programmer, but everyone should understand at least the fundamentals of how the digital world around us functions.



Jussi Kasurinen **Head of Degree Programmes** in Software Engineering



Master the digital ecosystems and digital business.

- >> Become a leading developer of software and digital services and transform business processes.
- » Learn about software maintenance and the testing and fixing of software.
- >> Become an expert in software development and quality assurance.

The programme offers a possibility for double degree studies. It has a Euro-Inf® label and ASIIN accreditation.

PROGRAMME CONTENT

- >> Core studies, 31 ECTS credits
- software engineering models and methods, requirements engineering, running a software project, research design methods
- Advanced specialisation studies in one of two fields. 35 ECTS credits

Software Engineering: software and system architectures, dataintensive software systems, software maintenance, quality assurance in software development

Digital Transformation: business process modelling, impact and benefits of digitalisation, digital business platforms, business intelligence and data mining, data-intensive systems

>> Minor studies, 24 ECTS credits

industrial engineering and management, embedded systems and communications or international business and management, Finnish language and culture

» Master's thesis, 30 ECTS credits

Degree: Master of Science in Technology **Duration:** 2 years Language: English **Credits:** 120 ECTS credits

Location: Lappeenranta

campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships: available

Job options for graduates:

- >> Software developer
- >> Software architect
- >> User experience specialist
- >> Digital transformation consultant
- >> Business intelligence manager
- >> Database administrator
- >> Business service innovator
- >> Digital transformer

Read more about the programme:

» lut.fi/sedt



Become an expert in digital business and product development.

- » Become a trailblazer in and a manager of software product and service development.
- Learn about organising development work and managing software projects.
- » Become an expert in software development and product management.

PROGRAMME CONTENT

- » Core studies, 31 ECTS credits software engineering models and methods, requirements engineering, running a software project, research design methods
- Advanced specialisation studies, 48 ECTS credits Compulsory studies: software business and digital platforms, software innovation, process management Alternative studies: business process modelling, business intelligence and data mining, sustainability and IT, software maintenance, fundamentals of game development
- Elective studies, 11 ECTS credits any courses at LUT
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Technology Duration: 2 years Language: English Credits: 120 ECTS credits Location: Lahti campus Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens Early bird and scholarships: available

Job options for graduates:

- » Senior software developer
- >> Software product manager
- >> Product owner
- >> Business development director
- >> Software project manager

Read more about the programme:

>> lut.fi/spmb

LUT University offers joint degree programmes arranged with LUT's international partner universities.

Students admitted to joint degree programmes receive a degree certificate from each partner university involved in the programme after fulfilling the degree requirements of each partner university.

Joint degree programmes may have different application periods and admission processes than the regular programmes at LUT.

Check the programme web pages for admission information.

ERASMUS MUNDUS MASTER'S PROGRAMME SUSTAINABLE BIOMASS AND BIOPRODUCTS ENGINEERING

- » The programme educates chemical engineers with a sustainable mindset to develop novel solutions for the bio-based industry.
- This is a triple degree Erasmus Mundus master's programme between LUT University, Wroclaw University of Science and Technology in Poland and the University of Castilla-La Mancha in Spain.
- » Read more: lut.fi/sustainable-biomass

MASTER'S PROGRAMME IN ENGINEERING, ENTREPRENEURSHIP AND RESOURCES

- The programme aims to train qualified process engineers specialising in maintenance engineering for the raw materials sector from and for East and South-East Europe.
- This is a triple degree programme between LUT University, Freiberg University of Mining and Technology, Germany, and the student's home university (University of Sarajevo, University of Miskolc, or Dnipro University of Technology).
- » Read more: lut.fi/eer

SOCIAL SCIENCES

Social sciences examine society, communities and people from different perspectives.

LUT's social sciences education analyses the activity of society and people in relation to global sustainability problems and creates related solutions through collaboration between social sciences, technology and business.

Digitalisation – including robotisation, artificial intelligence applications, and big data – is transforming the way people and society work and is creating new career opportunities for social scientists. Meanwhile, the working world and businesses need experts to address the challenges and interconnectedness of systems involving areas such as energy, food production, water, natural resources, transport and mobility, which are crucial to society and people's well-being.

Social sciences studies are for you who want to use your social science skills to build a carbon-negative and resource-sustainable future, taking into account technological, economic, political and social factors.

We offer master's and doctoral programmes in social sciences and communication sciences.

Why choose social sciences?

CRITICAL SYSTEMS THINKING:
Social sciences programmes at LUT offer a unique combination of social sciences and critical systems.

Pocus on Sustainability:
In the social sciences programmes,
you will learn how critical thinking helps you
solve sustainability problems. You will study
how to address grand global and local
challenges and renew society responsibly.

FOCUS ON NEW TECHNOLOGIES:
You will learn how technologies shape societies, social relations, and practices.



We educate social scientists who know the rules to play by in business and identify technological opportunities.

Mari Kallioinen-Mänttäri Dean, LUT School of Engineering Sciences



Address challenges of a digitalised future.

- » Learn about practices in digital environments and intelligent technologies.
- » Apply new-generation digital technologies that influence our practices and society.
- >> Take into consideration the societal, political and economic factors and outcomes of digital technologies.
- >> Learn to solve societal problems with big data.

Programme content

- » Core studies, 30–31 ECTS credits system theory, research methods, innovation policy, public policy analysis, economics and society
- Advanced specialisation studies, 30 ECTS credits digital welfare states, work in the digital age, the political economy of digital transformation, smart cities and urban transitions, digital media and social technologies in society, robots and AI in society
- » Multidisciplinary studies, critical systems of society, 25 ECTS credits sustainable strategy, societal challenges and data, coding, elective critical systems
- >> Language studies, 4-5 ECTS credits
- » Master's thesis, 30 ECTS credits

Degree: Master of Social

Sciences
Duration: 2 years
Language: English
Credits: 120 ECTS credits
Location: Lappeenranta

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens.

Early bird and scholarships:

Job options for graduates:

>> Data analyst

campus

available

- >> Data scientist
- >> User experience researcher
- >> Consultant
- » Director of human resources
- >> Head of community relations

Read more about the programme:

» lut.fi/digital-social-science

Gain expertise in the functioning of systems critical to society, the economy, and our well-being.

- » Understand the governance of critical systems, such as energy, water, transportation, and digital infrastructure.
- » Obtain skills to analyse social, political, environmental, economic, and technological dimensions of systems transitions on various scales (global, regional, national, local, household).
- » Apply innovative thinking and problem-solving to critical systems.

Degree: Master of Social

Sciences

Duration: 2 years **Language:** English

Credits: 120 ECTS credits **Location:** Lappeenranta

campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships:

available

Programme content

- » Core studies, 30-31 ECTS credits system theory, research methods, innovation policy, public policy analysis, economy and society
- » Advanced specialisation studies, 30 ECTS credits sociotechnical food, energy and water systems, renewable energy policy, sustainable water use governance, food security governance, smart cities
- » Multidisciplinary studies, critical systems of society, 25 ECTS credits sustainable strategy, societal challenges and data, coding, elective critical system studies
- >> Language studies, 4-5 ECTS credits
- >> Master's thesis, 30 ECTS credits

Job options for graduates:

- Corporate sustainability manager
- >> Public relations manager
- >> Sustainability consultant
- >> Environmental policy specialist
- >> Sustainability expert
- >> Policy officer
- >> Environmental officer

Read more about the programme:

» lut.fi/tesc

52 MASTER OF SOCIAL SCIENCES MASTER OF SOCIAL SCIENCES 53



Learn about global communications in the sustainable renewal of businesses and society.

- Find solutions for challenges related to clean air, water and energy from the perspective of global communication.
- Become an expert in planning, developing and leading global communications in crises and societal challenges.
- Learn to analyse and assess soft power, disinformation and strategic narratives that shape sustainability and the green transition locally and globally.
- » Understand how AI and new media technologies shape the functioning of societies, organisations and individuals.

Degree: Master of Social

Sciences

Duration: 2 years **Language:** English **Credits:** 120 ECTS credits

Location: Lappeenranta

campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships:

available

Programme content

- Core studies, 30 ECTS credits global communications, research methods and ethics, Al and critical systems thinking
- Advanced specialisation studies, 30 ECTS credits for example, global media and communication in contexts of clean air, water and energy; sustainability and CSR communications; crisis management and communication; analysis of disinformation, strategic narratives and media
- » Multidisciplinary studies, 25 ECTS credits critical systems of air, water and energy in society
- » Language studies, 5 ECTS credits language studies and academic writing
- » Master's thesis, 30 ECTS credits

Job options for graduates:

- >> Head of global communications
- Communication expert in the green transition
- >> Media analyst
- >> Communications consultant
- >> Public official
- >> Community manager
- » Communications scholar

Read more about the programme:

» lut.fi/global-communications

GLOBAL COMMUNICATION

enables change

Communication plays a key role in the sustainable renewal of businesses and societies globally. Al, geopolitics and strategic narratives are at the heart of the contemporary global communications landscape and impact the new communicative solutions for challenges related to clean air, water and energy.

The scarcity of these life-giving resources creates conflicts and crises. By engaging in continuous dialogue and drawing on cutting-edge research, organisations, communities and societies can build common understanding and orient their activities towards more sustainable ways of operating.

Advancements in AI and digital media are rapidly shaping the dynamics of social interaction, power and influence. New skills are needed for the critical analysis, assessment and detection of disinformation and strategic narratives that shape the global and local perspectives on sustainability and the green transition. The global communication environment is increasingly complex, highlighting the importance of competent communicators who understand the logics of global hybrid media landscapes.



Understanding, detecting and developing new forms of influence and strategic narratives are at the heart of global communication studies.

Hannele Seeck
Professor, Communication Sciences

54 MASTER OF SOCIAL SCIENCES SOCIAL SCIENCES





LUT BUSINESS SCHOOL

At LUT Business School, we educate problem-solvers of the future and produce solutions that promote sustainable business.

A broad understanding of business and its fundamentals is necessary in today's global environment. In our business programmes, you will learn to question prevailing business practices and develop new types of entrepreneurship.

At LUT Business School, your studies will focus on sustainable value creation. You will study how businesses succeed in international competition in an economically, ecologically and socially sustainable way. As a graduate, you will be able to help companies and other organisations to operate profitably and sustainably.

We offer bachelor's, master's and doctoral programmes in business.

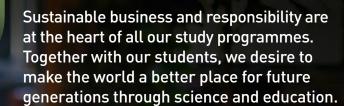
Why choose LUT Business School?

INTERNATIONALLY RECOGNISED
BUSINESS SCHOOL:

LUT Business School is one of the top 150 business schools in the world according to the THE World University Rankings 2023 by subject.

2 UNIQUE PROGRAMMES:
LUT Business School offers one bachelor's and five master's programmes taught in English, each designed to provide students with the latest knowledge and skills needed in the current business landscape.

CONNECTED WITH COMPANIES:
LUT Business School provides a number of corporate engagement opportunities through its coursework.



Sami Saarenketo Dean, LUT Business School

INTERNATIONALLY ACCREDITED BUSINESS SCHOOL

LUT Business School is accredited by the Association to Advance Collegiate Schools of Business (AACSB). In addition, the Master's Programme in International Marketing Management has been accredited by the European Foundation for Management Development (EFMD) since 2012.

International accreditations demonstrate commitment to quality and the continuous development of education.

LUT Business School is a signatory of the UN's Principles for Responsible Management Education (PRME), which engages business and management schools to ensure they nurture internationally recognised sustainable values in education and research.







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Learn to manage an international business in a sustainable way.

- Examine international operating environments with sustainability as a key driver.
- >> Understand the global, systemic challenges related to the sustainability transition.
- » Analyse how to create value sustainably in international business, marketing and supply management.
- Advance your language and communication skills to support your future employment in Finland or internationally.
- >> Develop a multicultural mindset for global operations.

Programme content

» General studies, 53 ECTS credits

fundamentals of accounting, finance and economics, principles of management and business strategy, mathematics and statistics for economics

- Intermediate specialisation studies, 69 ECTS credits international business, cross-cultural issues and international entrepreneurship, international marketing and purchasing, professional sales, business relationships in international value networks, sustainability and corporate social responsibility, managing sustainable value chains and sustainability transitions,
- » Language and communication studies, 30 ECTS credits multicultural teamwork and leadership, diversity management and global citizenship, Finnish as a second language or optional language studies, English for international business

academic writing and professional communication

- » Elective studies, 18 ECTS credits any LUT courses, possible exchange studies abroad or internship
- » Bachelor's thesis, 10 ECTS credits

Degree: Bachelor of Science in Economics and Business Administration

Duration: 3 years Language: English Credits: 180 ECTS credits Location: Lappeenranta

campus

Tuition fee: EUR 9 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships:

available

Job options for graduates:

- >> Product manager
- >> Business development manager
- >> International sales manager
- >> Supply chain manager
- >> Export manager

Read more about the programme:

» lut.fi/bsc-sib

Master the digital ecosystems and digital business.

- Learn relevant business analytics methods, such as data analytics, modelling, and simulation.
- » Specialise in applied business research.
- » Learn to apply machine learning and soft computing methods to real-world data in a real-world business.
- » Learn to build decision support tools using advanced multiplecriteria decision-making and evaluation methods.
- >> Learn to use software tools that are applied in industry.

Programme content

>> Core studies, 60 ECTS credits

Compulsory studies: information systems in corporate management and decision-making, Investment and business analysis with Excel, financial econometrics, free analytics environment, systems dynamics with applications, business analytics in action, fuzzy sets and fuzzy logic, business ethics, numerical simulation Alternative studies: for example, optimisation in business and industry, advanced sensitivity analysis for strategic decision-making, databases for business analysts, analytics software self-study courses, fuzzy data analysis, analytics with domain-specific applications

» Advanced specialisation studies, 24 ECTS credits analytics for business, advanced decision-making, big data in business and industry, real options in managerial decision-making

- >> Language studies, 6 ECTS credits any foreign language
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Economics and Business Administration

Duration: 2 years Language: English Credits: 120 ECTS credits

Location: Lappeenranta campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens.

Early bird and scholarships: available

Job options for graduates:

- >> Business analyst
- » Business development specialist
- » Business development manager
- >> Project manager
- >> Business controller

Read more about the programme:

» lut.fi/ba-business





Learn to start a business and lead its growth to international markets.

- » Specialise in global business and learn to consult for real companies and entrepreneurs on international strategies.
- » Manage a company's growth, strategy, finances and resources in international markets.
- » Understand global trade and internationalisation strategies of companies and recognise and seize international opportunities.
- » Develop an entrepreneurial mindset and apply it to problem-solving.

The programme offers a possibility for double degree studies.

Programme content

» Core studies, 48 ECTS credits

Compulsory studies: global business environment, dimensions of entrepreneurship, strategies of business growth, melting pot of entrepreneurial competencies, international entrepreneurial journey, internationalisation of a firm and global marketing, fundamentals of scientific thinking and research methodology Alternative studies: case course on international motorsports, management consulting case workshop, MIMIR fellows, prototype project at J. Hyneman Center, responsible international business

- » Advanced specialisation studies, 12 ECTS credits international entrepreneurship challenge, international business strategies
- » Minor studies, 24 ECTS credits international marketing, sustainable business, digitalisation and business analytics, strategic management
- Language studies, 6 ECTS credits any foreign language
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Economics and Business Administration

Duration: 2 years
Language: English
Credits: 120 ECTS credits
Location: Lappeenranta
campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships: available

Job options for graduates:

- >> Startup entrepreneur
- >> Export manager
- >> Subsidiary manager
- Director of international operations
- Internationalisation consultant
- Researcher in international business and entrepreneurship

Read more about the programme:

» lut.fi/mibe

Become an expert in global marketing with strong marketing analytics skills.

Specialise in global marketing.

- Enter the exciting and fast-paced world of strategic global marketing management, digital marketing and marketing analytics.
- » Learn to apply different marketing tools and strategies in the context of international technology and knowledge-intensive markets.

The programme offers a possibility for double degree studies. It has EFMD accreditation.

Programme content

» Core studies, 48 ECTS credits

Compulsory studies: strategic global marketing management, strategic issues in digital marketing, marketing analytics, B2B marketing, consumer behaviour in the age of digitalisation, marketing of high-technology innovations

Alternative studies: brand management, responsible international business, sales and negotiation skills, technology and innovation management, sales technology

» Advanced specialisation studies, 12 ECTS credits strategic international marketing management, international entrepreneurship challenge

» Minor studies, 24 ECTS credits

for example: sustainable business, digitalisation and business analytics, international business and entrepreneurship, strategy and innovation, minor subject in engineering

- Language studies, 6 ECTS credits any foreign language
- » Master's thesis, 30 ECTS credits

Degree: Master of Science in Economics and Business Administration

Duration: 2 years
Language: English
Credits: 120 ECTS credits
Location: Lappeenranta

campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens.
No fee for EU/EEA citizens.
Early bird and scholarships: available

Job options for graduates:

- >> Marketing manager
- » Marketing researcher
- >> Digital marketing manager
- >> Customer behaviour consultant
- » Business development consultant
- >> Product and brand manager

Read more about the programme:

» lut.fi/mimm





Combine studies in financial management and analytics.

- Specialise in financial management and the tools and techniques of business analytics.
- >> Prepare for a career in forward-going businesses making fact-based decisions in a competitive business landscape.
- » Understand the main theories and concepts of finance and international financial markets and the use of information technology in business development and transformation.

Duration: 2 years Language: English Credits: 120 FCTS credits

Administration

Degree: Master of Science

in Economics and Business

Credits: 120 ECTS credits **Location:** Lappeenranta

campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens. No fee for EU/EEA citizens. Early bird and scholarships:

available

Programme content

» Core studies, 78 ECTS credits

Strategic finance: financial econometrics, derivatives and financial risk management, banking and insurance finance, international financial management, valuation of financial securities

Analytics for finance: information systems in corporate management, investment and business analysis, analytics for business, advanced decision-making

- » Advanced specialisation studies, 6 ECTS credits real option analysis
- Language studies, 6 ECTS credits any foreign language
- >> Master's thesis, 30 ECTS credits

Job options for graduates:

- » Business controller
- >> Financial analyst
- >> Financial development manager
- >> Business development manager
- >> Management consultant

Read more about the programme:

>> lut.fi/msf

Learn the principles of sustainable supply management.

- >> Become a decision-maker in global supply networks.
- >> Understand the importance of supply management in sustainable business and value creation.
- Focus on sustainable supply strategies, global challenges of sourcing and the development of purchasing and supplier relationships.

The programme offers a possibility for double degree studies.

Programme content

» Core studies, 42 ECTS credits

Compulsory studies: strategic supply management, financial supply management, sustainable global sourcing, supply chain design and management

Alternative studies: global business environment, green logistics, B2B marketing

» Advanced specialisation studies, 18 ECTS credits

external resource management and value networks, risk management in supply chains, supply chain improvement

» Minor studies, 24 ECTS credits

international marketing, sustainable business, digitalisation and business analytics, international business and entrepreneurship

>> Language studies, 6 ECTS credits

any foreign language

» Master's thesis, 30 ECTS credits

Degree: Master of Science in Economics and Business Administration

Duration: 2 years Language: English Credits: 120 ECTS credits Location: Lappeenranta

campus

Tuition fee: EUR 13 500/year for non-EU/EEA citizens.
No fee for EU/EEA citizens.
Early bird and scholarships:

available

Job options for graduates:

- >> Global sourcing director
- >> Supply manager
- >> Category manager
- >> Strategic buyer

Read more about the programme:

» lut.fi/msm



At LUT, we seek solutions to control climate change, promote wind and solar power, recycle nutrients and waste, secure access to clean water and energy, foster sustainable business, and solve sustainability problems at the interface of people and technology, to name just a few of our focus areas.

Our doctoral programmes cover all of LUT's fields of science: business, technology and social sciences.

During your doctoral studies, you will acquire in-depth knowledge of your research field and be able to apply research methods to generate new scientific knowledge.

Full-time dissertation research without other responsibilities takes three to four years.

Doctoral students are usually employed by LUT as junior researchers or project researchers. It is also possible to study part-time while working outside the university, which, naturally, requires more time to complete the degree. Candidates with their own funding can apply for the right to complete doctoral studies after securing their funding and supervisors.

You can choose from three doctoral programmes:

- >>> Business and Management
- >> Energy Systems
- >> Engineering Science

Degrees

Doctor of Science (Technology)
Doctor of Science (Economics
and Business Administration)
Doctor of Philosophy
Doctor of Social Sciences
Duration: 3-4 years
Language: English
Credits: 30 ECTS credits of
studies + a dissertation
Tuition fee: none

Read more:

>> lut.fi/doctoralstudies

EXCHANGE STUDIES

Experience a new culture and personal growth, learn new languages and make new friends from around the world.

Every year, the Lappeenranta campus welcomes more than 200 exchange students from LUT's partner universities. Students mainly come through the Erasmus+ programme or bilateral agreements.

LUT offers exchange students bachelor's and master's courses in the fields of technology, business and social sciences. Start your exchange experience by asking your home university if an exchange agreement is in place between your university and LUT.

You need to be nominated for exchange by your home university. The application round takes place twice a year.

For questions, contact incoming@lut.fi.

As a degree student of LUT University, you can apply to student exchange and complete a part of your degree at an LUT partner university abroad.

There are plenty of exchange destinations to choose from. For questions, contact outgoing@lut.fi.

Read more: lut.fi/exchange

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SUSTAINABILITY AT LUT

We are committed to environmental, economic and social responsibility in all our activities: scientific research, academic education, societal interaction and university support services.

>> EDUCATION

All our degree programmes are built to increase the graduates' competences in sustainability. National surveys demonstrate that the sustainability skills of our graduates are strong.

>> RESEARCH

Our high-level research improves the state of the environment and is relevant to society and industries. Clean energy, water and air are life-giving resources for which we seek solutions with our expertise in technology, business and social sciences.

>> SOCIETAL INTERACTION

Our business ecosystem, sustainability networks and wide-ranging cooperation with regional, national and global players enable sharing knowledge and best practices for the common good.

>> CAMPUS LIFE

We are known for a relaxed, safe and responsible campus culture, where everyone is encouraged to engage in the community and its various activities. Our campuses and properties are sustainably managed and energy efficient.

Watch our Trailblazer 2030 strategy video on YouTube:



EXAMPLES OF OUR

SUSTAINABILITY ACTIONS

- We investigate how to turn carbon dioxide from a problem to a resource. Carbon dioxide may turn out to be an important industrial raw material down the line for, for example, green hydrogen production.
- >> We are known for our water treatment expertise.
- We work closely with our campus cities for a clean environment, effective public transportation, and carbon-neutral district heating.
- We are a member of many international networks promoting sustainable development, such as the ISCN and the NSCN.

- >> We promote **equality** and **inclusion** on our campuses and connect students with employers.
- >> Our goal is to be **carbon-neutral** by the end of the year 2024.
- » Our campus restaurants offer vegetarian options and work to save food and to preserve the environment by minimising biowaste. The restaurants use scales to monitor biowaste volumes and sell leftover food to take home at a reduced price.
- » Our research on solar energy is globally recognised. We also produce solar power.

Read our Report on Sustainability: lut.fi/sustainability.

Through our strategy and research, we pursue particularly the following United Nations' Sustainable Development Goals.

















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STUDENT AND ALUMNI STORIES



Boundless opportunities in a winter wonderland

I always thought of LUT as a prestigious university. The fact I got in delighted me greatly, and upon coming here, I realised all my expectations were matched and exceeded. I study mechanical engineering, which is a programme that revolves around mechanics, structures and materials. Currently, I'm studying material composition and the design of components and calculating loads or forces on structures. LUT's main drawing point for me was its many high-end and up-to-date facilities, where students have access to different machines and constructs to do with as they please, within reason of course.

The student culture at LUT is amazing, with many international as well as Finnish people mingling in a flurry of events, clubs and organisations. People from all walks of life and all sorts of places conglomerated in one space where they hang out, study together and make friends is a sight to behold. Finland itself is an almost idyllic place, the first snows are an unforgettable experience, the people are nice but quiet, and the culture and the language are beautiful. Being surrounded by nature, the lakes, the beautiful language and the welcoming culture is encouraging and healthy, helps me to study as well as have fun, and is a great experience overall.

Luka Pauletic Grasic, bachelor's student



The state of our planet worries me

The state of our planet and consumption habits worry me, and I try to pay attention to my own daily choices. I have always been ambitious, and I wanted the possibility to make a difference in my future profession.

During my bachelor's studies, I had gained broad knowledge of environmental engineering, and I wanted to develop my skills further. The Master's Programme in Sustainability Science and Solutions successfully combines engineering and sustainable thinking and gives tools for critical evaluation and problem-solving.

My interest in science and motivation have never been as high as here at LUT. The research and projects are very inspiring. I can't wait to see where I'll end up after my studies – so many doors are open. At the moment, my own interests are related to energy efficiency in the built environment and life cycle assessment.

Veera Leinonen, master's student



Full focus on functionality, not sophisticated systems

My international success story started at LUT and brought me all the way to Japan, where I worked my way up from project management officer to product team manager at Mitsubishi Fuso. LUT and its Master's Programme in Global Management of Innovation and Technology built a solid foundation for my international career.

LUT has everything a student needs: I loved that you could access study rooms and computers until late at night, the cafeteria had tons of affordable food options, the gym was affordable, and the nature surrounding Lake Saimaa was beautiful and calming. On top of the facilities, I remember life lessons from professors that keep guiding my actions to this day – one in particular: the best system is the one that performs the function.

The education at LUT is closely intertwined with industry, and each programme requires students to put academic theory into practice in group and individual projects. This pragmatic approach stood out to me throughout my studies.

Hadi Salahshour, LUT alumnus, Product Team Manager at Mitsubishi Fuso



My programme was the perfect starting point for my career

Studying at LUT was entirely different from what I was used to in my previous master's degree programme in Iran. At LUT, we had papers, team assignments and laboratory work throughout the semester to determine our grade. The practical approach to learning really helped to bring the theory I read in books to life and made knowledge tangible.

The professors were nothing but supportive and approachable, and they were more like friends, not professors. They always took the time to discuss issues, share their experience and help. At lunchtime, it would be common for professors to come and sit with the students; there was no hierarchy.

LUT's Master's Programme in Mechanical Engineering with a focus on new packaging became the perfect starting point for my career. With tenacity and adaptability, I have worked my way up to chief engineer of chemical system design at Valmet.

My advice is to learn Finnish! If you want to stay and work in the country, I recommend you start learning it immediately.

Mahsa Mirfatahi, LUT alumna, Chief Engineer of Chemical System Design at Valmet

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GET LOCAL

Cost of living

The cost of living in Finland is on average comparable to the rest of Northen Europe. Expenses vary depending on the accommodation you choose and your personal spending habits. On LUT's campuses and in its regional units, living expenses including accommodation in a shared student apartment may amount to roughly EUR 700–800.

As a degree student in Finland, you will be issued a student card that entitles you to student discounts on meals and other services (e.g., transport, museums, cultural events, lunch at the university).

A few approximate examples of prices:

- >> Single bus ticket EUR 1.60
- >> Monthly bus pass EUR 42
- » Coffee at a café EUR 3
- » Beer at a bar EUR 5-8
- » Movie ticket EUR 17
- >> Bread EUR 1.50-3
- » Milk 1 litre EUR 0.90

Find a Local friend Basics of Finnish language

Living in another country, even for a short period of time, gives you fresh perspectives and helps you see the world differently.

With new foods to try, languages to speak, and places to see, there is something new and exciting to be discovered every day.

Make the most of your time at LUT and make friends with locals through our Meet a Local Friend programme. It helps you find a local friend with whom you can cook local food, go skiing or swimming, do sports, go to the theatre, or go for coffee – you decide how often you meet up and what you do.

» lut.fi/local-friend

Hello! – Terve!
Thank you! – Kiitos!
How are you? – Miten menee?
How much is this? – Paljonko tämä maksaa?
Do you speak English? – Puhutko englantia?
Yes. – Kyllä.
No. – Ei.

Chat with our students

Find out more about studying at LUT, student life, and housing on LUT's campuses – chat with our student ambassadors. Our student ambassadors are happy to share their own experiences and love for LUT with you. The student ambassadors are our current students.

» lut.fi/chat

WHY CHOOSE LUT

INSPIRING HIGH-QUALITY EDUCATION

Lectures, assignments, seminars, tutorials, laboratory assignments, internships, corporate visits. LUT continuously develops its studies and study methods and introduces new, creative ones. Student groups in classes are small, allowing teachers and professors to get to know everyone at an individual level.

CUTTING-EDGE EQUIPMENT AND UP-TO-DATE LABORATORIES

Ample, up-to-date computer resources and world-class laboratories are available for you.

STUDENT LIFE

Go beyond the classroom! LUT has a wide range of clubs and student associations. Get involved, join clubs – you will have memorable experiences from culture to extreme sports.

BE A PART OF OUR SUCCESS STORY

We are one of the top universities in the world according to Times Higher Education rankings. Why not join other great minds?

STUDY IN THE WORLD'S HAPPIEST COUNTRY

Finland is the happiest country in the world, according to the annual World Happiness Report. Being happy comes down to a number of factors, including high social support, freedom to make decisions, and low levels of corruption. Why not join a happy nation?



LAPPEENRANTA CAMPUS Yliopistonkatu 34
53850 Lappeenranta
Finland

LAHTI CAMPUS

Mukkulankatu 19 15210 Lahti Finland

LUT KOUVOLA UNIT

Kauppalankatu 13 45100 Kouvola Finland

LUT MIKKELI UNIT

Lönnrotinkatu 7 50100 Mikkeli Finland

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