



Master of Engineering in **SUSTAINABILITY MANAGEMENT**

Karelia University
of Applied Sciences
FINLAND

Professional Master of Engineering Course in

SUSTAINABILITY MANAGEMENT

**DEVELOP YOUR SUSTAINABILITY
EXPERTISE FOR TODAY AND THE FUTURE**

This professional master's degree programme offers a unique combination of engineering and sustainability management education with a strong work-life perspective. It will equip you with a skill set that responds to rising demand as businesses adopt sustainability in their strategies and processes.

This two-year master's course offers an opportunity to develop your expertise in sustainability, both strategically and in practice. It provides you with skills and knowledge that set you apart on your chosen career path.

As a professional master's degree, the course has a strong practical perspective. Your case studies and master's thesis will be crafted to develop your competence in sustainability management while also serving new development needs in the workplace.



WHY SUSTAINABILITY MANAGEMENT?

In the rapidly changing operating environment, businesses are increasingly placing sustainability at the forefront of their strategies and integrating sustainability across their value chains. Regulation related to environmental, social and economic responsibility is constantly on the rise as the European Union and governments tackle sustainability challenges. Consequently, there is a growing demand for professionals in sustainability management.

PROFESSIONAL MASTER OF ENGINEERING IN SUSTAINABILITY MANAGEMENT

This work-life-related master's programme offers a cutting-edge engineering curriculum with a sustainability focus to boost your expertise and allow you to make full use of your previous studies and work experience.

Students are required to have two years' previous work experience in a relevant field. The studies are strongly work-life connected as all case studies and master's theses are workplace related.



DEVELOP YOUR SUSTAINABILITY COMPETENCE

With a Master of Engineering in Sustainability Management, you will know and understand how to

- conduct corporate sustainability and climate impact reporting and lead complex development processes;
- estimate and reduce an organisation's carbon footprint, adapt business practices to a changing climate, and assess risks and opportunities related to climate change;
- apply appropriate data management tools and methods for life-cycle management;
- manage and improve energy efficiency services;
- apply circular economy principles in corporate settings;
- identify, engage and maintain successful partnerships to create long-lasting, sustainable value networks.

KEY BENEFITS



Fully online programme provides flexibility.



Studies and work life closely interlinked.



Develop a skill set for leading corporate sustainability development and processes.



Gain strategic expertise for the sustainability transition.



Build your international network with fellow students.



Academic coaching to support your studies and goals.

STUDY FULLY ONLINE

The course is fully implemented online to allow you to combine studies and work. You can arrange your studies to fit your life circumstances regardless of your location. Although you will work independently, you will not be alone - academic coaching will be available, and you will also have the support of your international peers.



COURSE STRUCTURE

Master of Engineering in Sustainability Management

Extent and duration: 60 credits ECTS | 2 years

Location: Online

Study places: 40

Language of tuition: English

Application period: 3-17 January 2024

Entry requirements: An appropriate UAS bachelor's degree, or other appropriate higher education degree, and at least a minimum of two years (24 months) of subsequent work experience after graduation in a relevant field.

Student selection method:
Pre-assignment and interview

CORE MODULES AND COURSES

	First year	Second year
Identifying Sustainability	✓	
Social and Environmental Responsibility	✓	
Change Agency for Sustainability	✓	
Engineering for Climate Impacts	✓	
Managing Sustainability	✓	
Life-Cycle Management	✓	
Energy Service Management	✓	
Thesis, Planning	✓	
Thesis, Implementation		✓
Thesis, Finalising		✓
Co-creation for Sustainability		✓

MASTER'S THESIS

Your case studies and master's thesis are concrete development tasks conducted at the workplace or in a partner organisation*. The topics can be related to, for example:

- resource efficiency
- sustainability reporting
- climate impact reporting
- innovations related to sustainability
- risk assessments related to climate change
- carbon footprint calculation
- supply-chain management

*Partner enterprises have joined the programme as work-life partners.

CAREER OPPORTUNITIES

With a Master of Engineering in Sustainability Management, you will lead and support the use of sustainable technologies, organisational change processes, and collaboration networks for environmentally and socially responsible businesses.

This master's degree can help you attain a career in managerial duties or in an expert and development role. As a sustainability management professional, you will lead corporate sustainability and promote new practices in your organisation. Depending on your earlier studies and professional background, these studies can prepare you to work, for example, in the following roles:

- Sustainability manager
- Corporate social responsibility manager
- Supply-chain manager
- Energy service manager
- Environmental manager
- Climate specialist
- Sustainability consultant
- Sustainability lecturer
- Research, development and innovation specialist
- Development manager
- Entrepreneur

INTERNATIONAL COLLABORATION

The programme is developed and implemented in transnational collaboration with the INVEST European University Alliance, focusing on sustainable regional development.

The INVEST European University Alliance brings together a network of European universities with international programmes and courses suitable for international exchanges or as part of your elective studies. In addition, Karelia has a vast partner network with other international universities.

INVEST PARTNERS



SUA
Slovak University
of Agriculture
in Nitra



HOW TO APPLY

Read more about the programme curriculum, admission criteria and application procedure:
www.karelia.fi/en/sustainability-management/

Contact us for more information:
sustainability.management@karelia.fi

Information about tuition fees:
www.karelia.fi/en/apply-to-us/#tuitionfees

Karelia University of Applied Sciences
www.karelia.fi/en

This master's programme is offered and run by Karelia University of Applied Sciences, a multidisciplinary, widely connected, international and innovative organisation offering education leading to bachelor's and master's degrees. Its Karelia2030 – Sustainable Vitality strategy emphasises solutions for green transition as a strategic choice.

Karelia University of Applied Sciences has an extensive portfolio of research and development work in sustainability-related themes, such as sustainable and renewable energy, low-carbon solutions and bioeconomy.

Karelia University of Applied Sciences is a member of the INVEST European University Alliance
www.invest-alliance.eu



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FULLY ONLINE



INTERNATIONAL



COMMUNITY

