



**LUND**  
UNIVERSITY

# EIT MSc in Food Systems

LUND UNIVERSITY | SWEDEN

- Master of Science in Food Systems
- 2 years, full-time, 120 ECTS credits
- Faculty of Engineering and EIT Food
- Semester 1 and 4 – Lund Campus, semester 2 and 3 at EIT Food partner universities according to track
- Application deadline: [www.mfs-apply.eitfood.eu](http://www.mfs-apply.eitfood.eu)
- Programme start: August 2023

## PROGRAMME OVERVIEW

The Master's programme in Food Systems is developing top talent for the food sector, by training the leaders of the future. Organised by leading academic institutions and industrial partners from across Europe, this programme aims to prepare you to drive a future transformation of the food system. By working with colleagues from a variety of academic backgrounds, you will become creative leaders and team builders capable of bringing novel solutions for tomorrow's consumers and citizens. You will accomplish this by taking a 'learning and experimental' journey in a network of industrial, academic and entrepreneurial partners. The programme is a collaboration in EIT Food, established by the European Institute of Innovation & Technology (EIT).

### By the end of the programme, you will be able to:

- Identify short and long-term future consequences of decisions involving different components of the food system from an integrated scientific, ethical and inter-generational perspective, and merge this into a solution-focused approach.
- Translate innovations into feasible business solutions for the food sector.
- Think beyond boundaries, and systematically explore and generate new ideas, responding to current and future challenges within the food system.
- Use knowledge, ideas and technology to create new or significantly improved products, services, processes, new business models or jobs in the food sector.
- Use cutting-edge research methods, processes and techniques towards new venture creation and growth, and apply these in cross-disciplinary teams and contexts.
- Transform practical experiences in different areas of the food sector into research problems and challenges.
- Develop decision-making and leadership competencies.

Graduates will become part of an international alumni network with access to the right support when you want to innovate or create a new venture at any point in your career.

## PROGRAMME MODULES/COURSES

The MFS programme is an integrated programme organised and offered by academic institutions and industrial partners from across EIT Food's pan-European partner network. The programme has a duration of 2 years, within this time the students enrolled in the programme have the opportunity to achieve the learning outcomes in three universities. Your home university is Lund, where you spend the first and fourth semester. You will also choose two host universities, where you spend the second and third semester. A unique aspect of this programme is that students not only get to know three cities and universities, but also three different academic perspectives on the food system. Each participating university formulates a specific track - a package of modules covering the specific area of expertise within that institution. That way, graduates profit from the combined know-how of three European universities, ensuring in-depth academic competencies in relation to otherwise separate dimensions of the food sector, such as sustainable food processing, personalized nutrition, food safety or food system management.

### Overall structure of the MFS programme

**Semester 1** (Lund University) Mandatory courses: Introduction to food systems\* (7.5 ECTS) Sustainable food processing and packaging (7.5 ECTS), Food Engineering (7.5 ECTS) Elective mandatory courses (choose one): Packaging logistics (7.5 ECTS) or Packaging material sciences (7.5 ECTS)

**Semester 2** (1st mobility track) Entrepreneurship and Innovation in the Food System – Summer school\* (7.5 ECTS) Track at first host university mandatory and elective courses (22.5 ECTS)

**Semester 3** (2nd mobility track) Emerging technologies business case\* (7.5 ECTS) Track at second host university mandatory and elective courses (22.5 ECTS)

**Semester 4** (Lund University) Degree Project in Food Systems Master's thesis (30 ECTS)

\*Overarching modules, developed jointly by EIT and consortium universities

## CAREER PROSPECTS

Students graduated from the MFS programme, can work in small or large multinational companies, international organizations, governmental and non-governmental organizations, as well as at academic level. You will develop a very good EU network, and can work anywhere in the world. As a graduate, you will be provided with such knowledge and training that they can work in various fields of the food supply, production and processes, sustainable food development, quality and safety, food system innovation and management. After finalizing the programme a graduate will be able to fulfil industry and



society demands related to food systems, with skills achieved in the programme, for example:

- identify short- and long-term future consequences of plans and decisions involving different components of the food system from an integrated scientific, ethical, and intergenerational perspective, and merge this into a solution-focused approach, moving towards a sustainable society.
- translate innovations into feasible business solutions for the food sector.
- think beyond boundaries and systematically explore and generate new ideas, responding to current and future challenges within the food system.
- use knowledge, ideas, and technology to create new or significantly improved products, services, processes, policies, new business models or jobs in the food sector.
- use cutting-edge research methods, processes and techniques towards new venture creation and growth, and apply these in cross-disciplinary teams and contexts.
- transform practical experiences in different areas of the food sector into research problems and challenges.
- possess decision-making and leadership competencies, based on a holistic understanding of the contributions of Higher Education, research and business to value creation, in limited sized teams and contexts.

## ENTRY REQUIREMENTS AND HOW TO APPLY

### Entry requirements

A Bachelor's degree in Food Technology, Food Engineering, Chemical Engineering, Agricultural Sciences, Biological/Life

Sciences, Food Science, Chemistry, Biotechnology, Food Safety and/or Nutrition or equivalent. English Level 6/ Level B2 CEFR.

### How to apply

See [www.mfs-apply.eitfood.eu](http://www.mfs-apply.eitfood.eu) and [www.eitfood.eu/media/documents/EIT\\_Brochure\\_2021.pdf](http://www.eitfood.eu/media/documents/EIT_Brochure_2021.pdf) for information on required programme specific documents and how to apply.

### Tuition fees

See [www.mfs-apply.eitfood.eu](http://www.mfs-apply.eitfood.eu) for information on tuition fees and scholarships.

### Selection criteria/additional information

The selection of applicants is based on academic qualifications, entrepreneurial skills and interview.

## ABOUT THE FACULTY OF ENGINEERING

The Faculty of Engineering, LTH, is a place for dreams and discoveries. We inspire creative development of technology, architecture and design and teach some of Sweden's most attractive Master's programmes, all built on a broad research base. LTH is among the leading engineering faculties in Europe with nearly 10 000 students. Over 1 000 researchers at LTH work hard to improve the quality of life for people and promote more careful use of the Earth's resources. A world record in 5G technology, solar cell-driven water purification, early cancer diagnosis, nanotechnology for more efficient solar panels, and a health-promoting oat drink are some of the innovations developed at LTH. Together we explore and create – for the benefit of the world.



## CONTACT

Programme webpage:

[www.eitfood.eu/projects/food-system-master-of-science-program](http://www.eitfood.eu/projects/food-system-master-of-science-program)

[www.lth.se/english/master-programme-structure/eit/](http://www.lth.se/english/master-programme-structure/eit/)

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Lund University was founded in 1666 and is repeatedly ranked among the world's top 100 universities. The University has around 46 000 students and more than 8 000 staff based in Lund, Helsingborg and Malmö. We are united in our efforts to understand, explain and improve our world and the human condition.

Learn more at [www.lunduniversity.lu.se](http://www.lunduniversity.lu.se)

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