

- Master of Science in Logistics and Supply Chain Management
- 2 years, full-time, 120 ECTS credits
- Faculty of Engineering
- Lund Campus
- Application deadline: January 2024
- Programme start: August 2024

## PROGRAMME OVERVIEW

Over the recent years, the world has seen the importance of logistics and supply chain management. In global supply chains and an ever-changing market environment, companies need to change and adapt to remain competitive.

Our Master's aims to provide students with the resources, mindset and skills necessary to build a successful career in global logistics and supply chain management. We focus on how organizations and supply chains can increase efficiency and effectiveness by managing and improving the activities, the physical flow of material, as well as the information and financial flows in the processes and supply chain. In addition, areas of expertise include supply management, purchasing, materials handling, warehousing, outsourcing, transportation and distribution. Each course brings in aspects of sustainability and circular economy as this knowledge is crucial in order to achieve a clean, fair and un wasteful supply chain.

The programme takes a multidisciplinary approach to the design, planning and management of sustainable supply chains and logistics strategies, networks, processes and systems. Many of our teachers are internationally acclaimed researchers who provide students with comprehensive knowledge as well as pragmatic skills and abilities. Students learn both quantitative and qualitative problem-solving techniques that are applied through case studies, project work, business games and simulations.

An analytical mindset and capability to make calculations is needed to develop fact-based recommendations. Our courses are designed to give students solid theoretical knowledge in supply chain management. In addition, the students are also provided with "hands-on" practical experience through many

guest lectures, company visits and assignments in collaboration with industry. The students are offered courses that are both qualitative and quantitative-oriented together with other engineering students on Master's level.

During the master thesis project, the students work independently applying their skills and solving problems related to logistics and supply chain management, in most cases in collaboration with a company. The thesis project gives experience and valuable contacts that helps to open up to the job market. After graduation, our students will have mastered functionally-oriented problems and the ability to work cross-functionally and inter-organizationally to improve the performance of logistics and supply chain management.

## PROGRAMME MODULES/COURSES

**Semester 1:** Four mandatory courses; Fundamentals of Logistics and Operations Management (7.5), Warehousing and Materials Handling (7.5), Industrial Purchasing (7.5), and Operations Analytics (7.5). **Semester 2:** International Physical Distribution (7.5), Supply Chain Management (7.5), Supply Chain Analytics (7.5) and one elective mandatory course in Business Process Management (7.5) or Decision Analytics (7.5). **Semester 3:** Project and Research Methodologies in SCM (7.5) and 3 of the following elective mandatory courses: Packaging Technology and Development, Simulation of Supply Chain Systems, Supply Chain Information Systems, Humanitarian Logistics, Packaging Logistics, Quality Management (7.5. each). **Semester 4:** Thesis Project course (30). Courses might be subject to change for the next coming academic year.

Full list of courses of this programme: [www.lth.se/english/study/talsf](http://www.lth.se/english/study/talsf)

## CAREER PROSPECTS

Industrial manufacturing firms and retailers are increasingly seeking well-educated personnel for positions such as supply chain manager, logistics manager, operations excellence developer and purchaser. Transportation firms, as well as logistics service providers such as management consulting firms and



**"I have learned a lot of practical, awesome things during my studies in the programme. I've learned so many quantitative and qualitative aspects of supply chain management – from better production management to multi-echelon inventory level optimization, warehouse management, and business change process. Most importantly, these are all very practical courses that I know will come in handy when I finally start working in the supply chain field after graduation."**

Alexandra Malikova



software vendors, now recognise the need for personnel with specialist skills within this area.

The profession is growing and graduates from the programme in Logistics and Supply Chain Management have a very interesting and broad job market. A recent survey showed that alumni of this Master's felt they had learned valuable applied skills and found employment quickly after graduation. After graduation, students can find employment in diverse areas such as strategic sourcing, packaging development, warehouse management, inventory management, international distribution, and sustainable supply chain management. A career can be pursued in manufacturing companies (all different sectors), trade and retail companies, logistics service providers, management consultancy firms, providers of logistics IS/IT, and in humanitarian organisations (e.g. UN, Red Cross, Médecins Sans Frontières) all around the world. Several students have been especially wanted by IKEA and Sandvik. Other examples include Tetra Pak, Alfa Laval, and Axis.

### Student profile

A good logistician is a practical 'doer' that likes to work cross-functionally with other people to transform business. An analytical mindset and capability to handle numbers is needed to develop fact-based recommendations. The students of this programme will study both qualitative and quantitative-oriented courses together with other engineering students on Master's level. The entry requirements are defined to guarantee that you can follow and appreciate the qualitative as well as the more quantitative-oriented courses of the programme.

### ENTRY REQUIREMENTS AND HOW TO APPLY

#### Entry requirements

A Bachelor's degree in engineering (e.g., industrial engineering and management, mechanical engineering or similar). Completed one course in computer programming, one course in mathematical statistics/probability theory, and one course in

business logistics, operations management or supply chain management. English 6.

#### How to apply

- 1. Apply online:** Go to [www.lunduniversity.lu.se/logistics-supply-chain](http://www.lunduniversity.lu.se/logistics-supply-chain). Click on "Apply" and follow the instructions for the online application at [www.universityadmissions.se](http://www.universityadmissions.se), the Swedish national application website. Rank the chosen programmes in order of preference.
- 2. Submit your supporting documents:**
  - **General supporting documents:** Check what documents you need to submit (i.e. official transcripts, degree diploma/proof of expected graduation, translations, proof of English, passport) and how you need to submit them at [www.universityadmissions.se](http://www.universityadmissions.se).
  - **Programme-specific supporting documents:** A Summary Sheet and Statement of Purpose. Find more information on the programme webpage.
- 3. Pay the application fee (when applicable)**

#### Tuition fees

Tuition fee SEK 170 000 per year for non-EU/EEA citizens. No fee for EU/EEA citizens.

#### Selection criteria/additional information

Selection is based on academic qualifications and statement of purpose.

#### 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.

#### CONTACT

Programme webpage:  
[www.lunduniversity.lu.se/logistics-supply-chain](http://www.lunduniversity.lu.se/logistics-supply-chain)

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Lund University was founded in 1666 and is repeatedly ranked among the world's top universities. The University has around 45 000 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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