

At the Chair of Logistics and Supply Chain Management of TUM School of Management, we are looking for an interested and qualified student to conduct his/her

Master thesis

on the topic

Building Corporate Competences for Sustainable Supply-Chain Management: An Activity-Based Assessment and Capability-Development Framework

Regulators, investors and consumers increasingly expect firms to decarbonize operations, adopt circular-economy principles and demonstrate social responsibility along their supply chains. Many companies have launched isolated *sustainable supply-chain (SSC) activities*—for example, supplier audits, eco-design workshops or green-transport initiatives—yet struggle to turn these scattered efforts into a coherent capability that systematically delivers environmental and business value. This thesis investigates **how individual SSC activities contribute to the development of organizational competences** and how these competences, in turn, enhance overall supply-chain performance.

Key project tasks:

- Literature review on relevant fields of study
- Framework development
- Empirical Study
- Capability-Building Roadmap

Requirements:

The thesis is suitable for Master in Management and Master in Management and Technology students with a major in operations and supply chain management. They should demonstrate strong programming and analytical abilities—proficient in at least one general-purpose language such as Python, Julia, or C++—and be comfortable working with data-analysis or machine-learning libraries. A solid grounding in supply-chain management is essential, with prior experience in sustainability assessment regarded as an asset. Finally, successful applicants must be able to work independently, think analytically, and communicate their findings in clear, impactful English.

Earliest begin: July 2025

Supervisor: Laura Visintainer Lerman

Application: Email with curriculum vitae and transcript of records to logtheses.log@mgt.tum.de