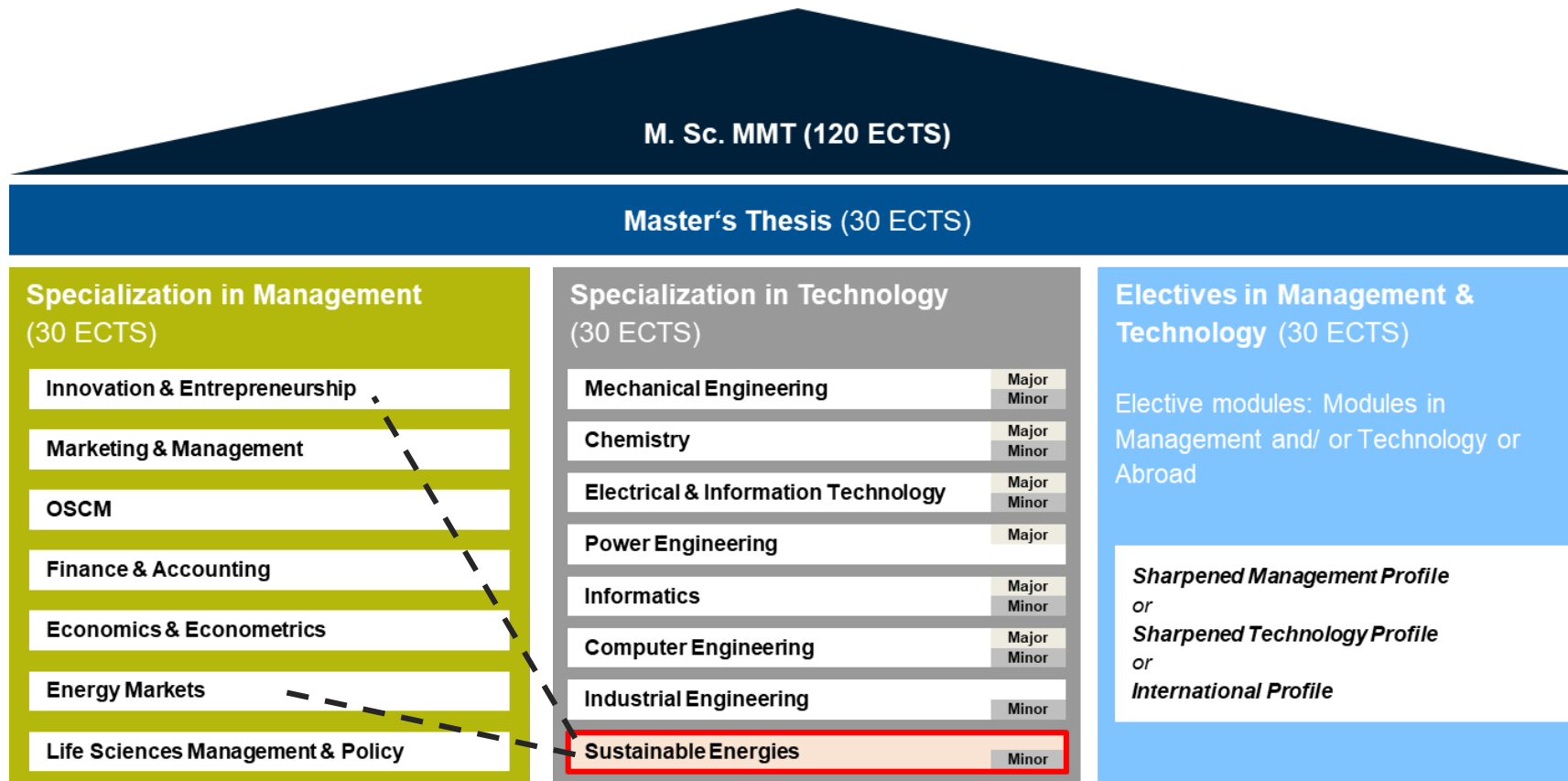


Master Management & Technology Technology Specialization “Sustainable Energies” (Minor)

Profile

The **Sustainable Energy Minor** specialization provides graduates with the fundamentals of the most important renewable energy sources. They will be able to describe the challenges of a renewable energy system, explain the main technical, physical, and economic interrelations of the respective technology and understand them from a systems perspective. Students will be able to select appropriate solutions from the technologies covered for common applications and associated problems. They know how to evaluate renewable energy production concerning electricity markets, to apply appropriate tools and methods for the analysis, planning or control of energy systems, and to interpret and evaluate results from applied models. Students will also know and be able to explain the environmental, economic and, where appropriate, social impacts of the technologies used.

Recommended combination of specializations



MMT Sustainable Energies Minor: Key Elements

Target Group

All students who are interested in sustainable energies and do not have a technological background

Minor

No specific prerequisites

Start

Winter term 2023/24

Language

English

Focus

Renewable energies (solar, wind, hydro, biogas, hydrogen)

Employability

Established energy companies, new energy companies (start-ups), governmental and non-governmental organizations

MMT Sustainable Energies Minor: Compulsory modules (12 ECTS credits)

Title	ECTS credits
Project Lab Renewable and Sustainable Energy Systems	6
Integration of Renewable Energies	6

MMT Sustainable Energies Minor: Elective modules (18 ECTS credits)

Title	ECTS credits
Interdisciplinary Project Internship: Concept Development of a Renewable Energy System in a Developing Country	6
Sustainable Mobility	6
Introduction to Wind Energy	6
Battery Storage	6
Renewable Energy Technology 1	3
Renewable Energy Technology 2	3
Waste and Waste Water Treatment	6