RENEWABLE ENERGY ENGINEERING

The Master's Degree Program for the Energy Systems of the Future

The program focuses on issues relating to energy technology and economics: the expansion of renewable energies and their integration into urban energy systems, intelligent grids for efficient energy distribution, the harmonization of generation and consumption and holistic approaches for a sustainable energy supply. Energy savings potentials as well as possible applications for renewable energies and the necessary technical and economic-legal framework conditions are assessed in the program.

CAREER PROSPECTS

With their knowledge, graduates are perfectly trained for the sectors of energy production, energy management, construction/building technology, heating-ventilation-air conditioning technology, for energy agencies, environmental technology, or urban planning and urban energy concepts. You work, for example, as a technical-scientific employee, project engineer, measurement and control technician, process engineer, energy system concept developer, research manager or as a civil engineer. Typical tasks include the development of energy concepts in the field of energy-relevant urban planning, the creation of control concepts for generation and distribution plants or the creation of municipal environmental management systems.

Language ENGLISH

„The energy system is facing major changes, triggered by climate change and the need to replace the fossil based energy system with a sustainable one. Our degree program will give you the tools to work on these challenges."

David Fellner , Program Director

MASTER OF SCIENCE IN ENGINEERING ★ APPLICATION DEADLINE: **MAY 31, 2026** ★ LANGUAGE: **ENGLISH**

ADMISSION PLACES: **36** ★ **COST: € 363,36 TUITION FEE, € 25,20 ÖH FEE**

FURTHER INFORMATION, CURRENT DATES AND CONTACT DATA: WWW.TECHNIKUM-WIEN.AT/MEE

Curriculum

1st SEMESTER	ECTS
Control Technology	5.00
Ecology, Energy and Society	5.00
Ecology and Society	
Ethics in Technology	
Energy Storage	5.00
Energy Storage Technologies	
Innovation and Investment	5.00
Innovation and Technology Management	
Investment and Financing	
Modelling and Simulation	5.00
Introduction to Modelling and Simulation	
Specialization Track I	5.00
Specialization Focus Definition and Scientific Methods	

2nd SEMESTER	
Concepts and Evaluation	5.00
Assessment Methods	
Energy Planning	
Digital Systems	5.00
Digital Systems in Energy Industry	
Economics	5.00
Energy Economics	
Marketing	5.00
Marketing and Supply	
Modelling and Simulation II	5.00
Advanced Modelling and Simulation	
Specialization Track II	5.00
Applied Topic-Specific Methods	

3rd SEMESTER	
Current Topics	5.00
Current Topics in Renewable Energy Supply	
Digital Leadership	5.00
Energy Management	5.00
Supply and Demand Side Management	
Law	5.00
Process Optimization and Assessment	5.00
Lifecycle Analysis	
Process Optimization	
Specialization Track III	5.00
Master Project	

4th SEMESTER	
Master Thesis	25.00
Master Thesis Seminar	5.00