



1. Semester (Winter)	2. Semester (Summer)	3. Semester (Winter)	4. Semester (Summer)
<p>core studies & elective courses LUT, Finland 60 ECTS in total</p>	<p>elective courses LUH, Germany 30 ECTS in total</p>	<p>master's thesis LUH, Germany 30 ECTS</p>	
 <p>September 2025 to May 2026</p>	 <p>Oktober 2026 to September 2027</p>		

Double Degree - Renewable Energy and Electrical Power Engineering RE³

Core studies at LUT, Finland, 37 ECTS

Electrical Machines
Electromagnetic Components
Energy and Society
Energy Efficiency
Introduction to M.Sc. Studies
Power Plant Design
Renewable Energy Technology

Elective Courses at LUT, Finland, students can choose one of three specifications with min. 24 ECTS:

(1) Energy Technology

Advanced Topics in Modelling of Energy Systems

Energy Carriers
Energy Economics
Energy Resources

Energy Systems Engineering

Fluid Machinery
Heat pumps

(2) Electrical Engineering

Electrical Engineering in Wind and solar systems

Electrical Power Transmission

Energy Economics
Energy Resources

Laboratory course in electrical power engineering

Technologies for Electrochemical Energy conversion and storage of electricity
Thermal Design of an Electric Device

(3) Energy Technology and Electrical Engineering

Advanced Topics in Modelling of Energy Systems

Electrical engineering in wind and solar systems

Electrical Power Transmission
Energy Carriers

Energy Economics

Energy Resources
Energy Systems Engineering
Fluid Machinery
Heat pumps
Laboratory course in electrical power engineering

Technologies for Electrochemical Energy conversion and storage of electricity

Elective Courses at LUH, Germany (5 credits for each course)

Electric Machines and Drives (2/3)
Electrical Energy Storage (1/2/3)
Electrical Machines for eAutomotive Traction Applications (2/3)
Electrothermal Processing (1/3)
Power Electronics (2/3)
Project work (1/2/3)
Studium Generale (1/2/3)
Sustainability Assessment (1/2/3)
Sustainable Combustion (1/2/3)
Technical Asset Management (1/2/3)

more information regarding course contents

[Course catalogue at LUT, Finland](#)

[Course catalogue LUH, Germany](#)

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