

Common Modules

Compulsory Elective Modules: 18 ECTS credit points from the list are required

- [11196](#) Introduction in Electrical Power
- [11494](#) Control Engineering 1
- [11747](#) Control Engineering 2
- [35303](#) Power System Economics I
- [35401](#) Power System Economics II
- [35443](#) International Management
- [xxxxx](#) Data Analytics and Process Modelling [new from April 2025]

Electrical Power Engineering (EPE)

Power Systems

**Compulsory Elective Modules:
18 ECTS credit points from the list are required**

- [11191](#) EMC in Electrical Power Installations
- [11192](#) Medium- and Low-Voltage Technology
- [11199](#) Auxiliary Power Supply of the Power Plant
- [11473](#) Switching Technologies
- [11493](#) Calculation of Grids with Renewable Sources
- [11750](#) Power System Operation
- [13294](#) Control Technology for Processes and Networks

Power Electronics and Drive Systems

**Compulsory Elective Modules:
18 ECTS credit points from the list are required**

- [11221](#) Fundamentals in Power Electronics
- [11496](#) Research Seminar in Power Electronics
- [11696](#) Generators and Large Drives
- [13951](#) Project Laboratory Control and Network Control Technology
- [13952](#) Lab Control Engineering
- [14064](#) Control Engineering 3
- [35436](#) Power Electronic Applications in High Voltage Grids
- [35437](#) Power Electronic Applications in Drive Systems

Power Generation from Fossil and Renewable Fuels (PGF)

Power Generation from Fossil Fuels and Thermodynamics

**Compulsory Elective Modules:
18 ECTS credit points from the list are required**

- [13169](#) Gas Cleaning
- [14145](#) Electrochemical and Chemical Energy Storage and Conversion
- [35449](#) Power Plant Technology 1
- [35450](#) Power Plant Technology 2
- [44108](#) Thermal Process Engineering and Equilibrium Thermodynamics
- [44407](#) Technical Combustion
- [44430](#) Fundamentals in Thermal Process Engineering

Power Generation from Renewables and Energy Storages

**Compulsory Elective Modules:
18 ECTS credit points from the list are required**

- [13795](#) Market Integration of Renewable Energies and Sector Coupling
- [13926](#) Hydrogen and Fuel Cells
- [13964](#) Geothermal Energy
- [13987](#) Electrical Power Generation and Integration of Wind Energy
- [13988](#) Electrical Power Generation and Integration of Solar Energy
- [13989](#) MicroGrid Application and Dimensioning
- [13990](#) Energy Storage Technologies and Grid Integration

Engineering – Compulsory Elective Modules

18 ECTS credit points are required
an updated list will be provided for each semester

General Studies (»FÜS«)

6 ECTS credit points from the General Studies list are required

Industrial Internship

[11492](#) (12 ECTS credit points)

Master Thesis

[11491](#) (30 ECTS credit points)