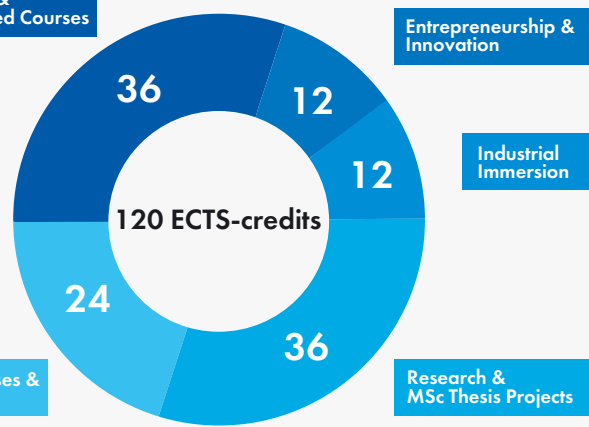


Energy Systems



Curriculum:

Compulsory courses

- Fundamentals of Power Systems
- Energy Systems Physics and Engineering

Recommended electives

- Mathematics for Engineers
- Introduction to Data Science
- Introduction to IoT
- Optimization Methods
- Power Electronics
- Non-Equilibrium Processes in Energy Conversion
- Energy Efficient Microclimate Control
- Smart Grids
- Power Markets and Regulations
- Electrochemistry: Fundamentals to Applications
- Thermal Fluid Sciences
- Sensors and Embedded Systems for IoT
- Experimental Data Processing
- Introduction to Blockchain
- Digital Signal Processing
- Machine Learning

Entrepreneurship & Innovation

- Innovation Workshop
- Ideas to Impact
- Leadership for Innovators
- Business Communication
- Thinking Disruptive for a Big Future
- Biomedical Innovation and Entrepreneurship
- Intellectual Property and Technological Innovation
- New Product Design: from Idea to Market Launch
- Management of Research & Development
- Technology Entrepreneurship

Elective Courses

See at the Skoltech Course Catalogue:
skoltech.ru/en/education/course-catalogue

