Engineering Physics

Director of degree programme: Professor Adam Foster

Degree: Master of Science (Technology), 120 ECTS

This site contains the student study guide for the master’s programme with materials and instructions on the majors available in the programme. Here you will find the programme curriculum as well as detailed guidelines for planning your studies.

In addition to programme's pages, Aalto University uses various online services for planning and monitoring one's studies, and for keeping up with what is going on at the university. In planning one's studies, this programme page and the online tools complement each other and should be used side by side.

Student's most important online tools are

- WebOodi
- MyCourses.

Description of the programme

Studies in engineering physics create a basis for the technological applications of physics and open doors for different careers in industry, science, and research. A profound understanding of physics and mathematics can be employed in finding novel solutions to both present-day and future’s challenges.

Studies in Master's Programme in Engineering Physics are strongly research oriented. Almost half of the MSc graduates continue towards a doctorate. The research focus areas range from experimental and theoretical materials physics to nanophysics and nanoscience, and to novel energy solutions. The study programme differs from a more classical university physics in its proximity to concrete, practical research questions. Its connection to real-life problems is very strong.

There are two majors in the Master's Programme in Engineering Physics from which students can choose from when they enter the programme:

- Engineering Physics (more general)
- Physics of Advanced Materials (focuses on materials and nanoscience).

The programme has also a related international joint programme Advanced Materials for Innovation and Sustainability (EIT Raw Materials).