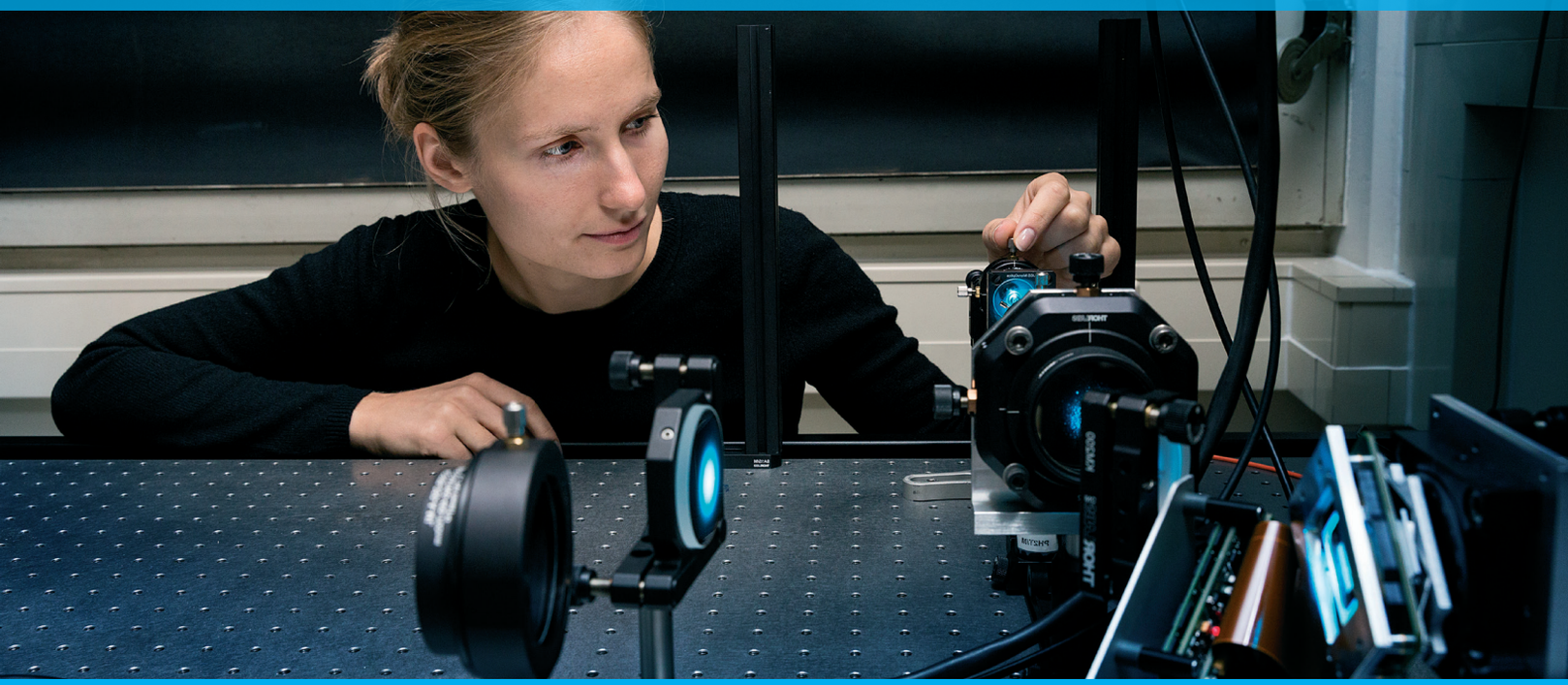
Faculty of Applied Sciences

Minor
Modern Physics



Modern Physics

"It's very cool to be thrown in at the deep end of quantum mechanics in the very first week of the minor".

What you will learn

"Anybody who is not shocked by quantum theory has not understood it" (Niels Bohr).
Do you have a special talent for Physics and Mathematics, and do you want:

- to be shocked by the intuitive, 'unreal' world of Quantum Mechanics?
- to discover what entropy means on a microscopic scale?
- to gain insight into the properties and measurements of a Higgs particle?
- to understand the consequences of Einstein's theory of special relativity for space and time?
- to find out about physical processes in living systems?

In that case, the minor in Modern Physics will satisfy your curiosity. The minor covers 20th and 21st-century physics, with courses on Elementary Particle Physics, Quantum Mechanics, Statistical Physics, Thermodynamics and Transport Phenomena in Living Systems, Theory of Relativity, Biophysics and Physics of Radiation Technology.
The minor concludes with a group-based Final Experimental Project in one of the Applied Physics departments.

Who is the minor for?

This minor is open to TU Delft Students from the following programs: Aerospace Engineering, Applied Earth Sciences, Applied Mathematics, Civil Engineering, Electrical Engineering, Marine Technology, Mechanical Engineering, Molecular Science and Technology. In addition, students from the following programmes are admissible for this minor: BSc in Econometrics and Economics (EUR), Econometrie en Operationele Research (EUR), Econometrics and Philosophy of Econometrics (EUR), International Bachelor Econometrics and Operations Research (EUR), Sterrenkunde (UL), Wiskunde (UL). Students from programmes at other universities will only be admitted after a consultation with with the coordinator of the minor.

Attention please:
The minor Modern Physics is very challenging and we advise students with vwo-grades for Wi B and Na lower than grade 8 to avoid doing this minor.

Contact

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Programme Director BSc AP: Roel Smit
http://tudelft.nl/minors
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TU Delft

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