

## KEY FACTS

- › Start programme: 1 September
- › Duration: 24 months
- › Tuition fees per year EU / non-EU:  
approx. € 1,800 / € 13,000

## COURSES

- › Advanced Quantum Mechanics
- › Student Seminar Quantum Universe
- › Structure at Macro, Micro and Nanoscale



## GENERAL INFORMATION

The Physics Department at the University of Groningen has a long-standing tradition of high level research in materials science, nuclear physics, isotope physics and theoretical physics. The Master programme in Physics aims to train excellent researchers.

Groningen offers a Master's degree programme in Physics which is open to students who already have a solid background in physics and are eager to expand their knowledge and experience in an environment of modern physics research. The programme offers the following specializations:

- › Quantum Universe: this specialization emphasizes the relation between theoretical physics, particle physics and astrophysics in the study of nature from small to large scale.
- › Advanced Materials: this specialization studies and designs materials for functionality using a multidisciplinary approach.

In the second year of your training you conduct a major research project matching the field of your specialization. This research project takes place in one of the research institutes of the University of Groningen that carry out research in physics:

- › KVI - Center for Advanced Radiation Technology
- › Zernike Institute for Advanced Materials
- › Centre for Theoretical Physics (CTN)
- › Centre for Isotopes Research (CIO)
- › Kapteyn Astronomical Institute

Each of these research institutes has its own fields of interest. Together they constitute a wide spectrum of high-level research in physics and related sciences.

### Career prospects

Most graduates proceed with a PhD research project. After a PhD, physicists will also find jobs that are less explicitly research-oriented, e.g. in consultancy firms, in process management, in commercial positions, or in financial jobs.

### More information

Programme website  
[www.rug.nl/fwn/MScPhysics](http://www.rug.nl/fwn/MScPhysics)  
Questions?  
[admissions@rug.nl](mailto:admissions@rug.nl)  
Social media  
[facebook.com/universityofgroningen](https://facebook.com/universityofgroningen)

### WHY CHOOSE US?

- › Wide spectrum of high-level research in physics and related sciences
- › Physics field in Groningen has CHE Excellence Label
- › Our materials science research ranks 5th in THES world's Top 10 institutes in materials science

### Application

You can apply online, please go to:  
[www.rug.nl/howtoapply](http://www.rug.nl/howtoapply)

Application deadline EU: 1 May 2014  
Application deadline non-EU: 1 April 2014

### Admission

- › Bachelor's degree in Physics
- › English proficiency: TOEFL 580/237/92 or IELTS 6.5

Please visit our [website](http://www.rug.nl) for detailed information