

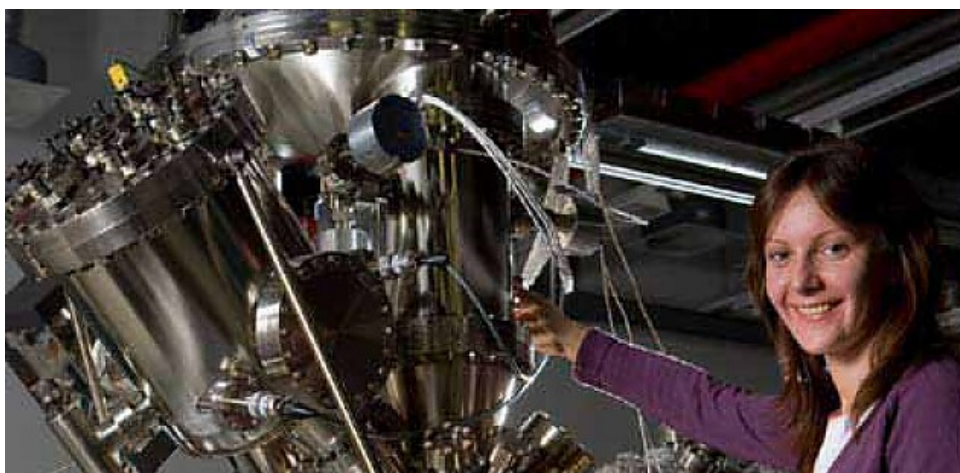
# MSc Nanoscience (Top Master)

## KEY FACTS

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

## COURSES

- › Preparation of Nanomaterials and Devices
- › Characterisation of Nanomaterials
- › Fundamental and Functional Properties of Nanomaterials



## GENERAL INFORMATION

Nanoscience is the study of the fundamental and functional properties of matter on the nanoscale ( $10^{-9}$  m). These properties often differ completely from macroscopic properties. The challenge for scientists is to understand the fascinating world of small length scales, and to exploit the new technological possibilities it offers.

The Top Master Programme in Nanoscience aims to train the cutting edge scientists of the future. This is achieved by offering a challenging interdisciplinary programme and by admitting only very talented and motivated students. The Zernike Institute for Advanced Materials ([www.rug.nl/zernike](http://www.rug.nl/zernike)), which is responsible for the Top Master Programme in Nanoscience, is a leading international research centre in this field. It is ranked fifth in the Times Higher Education Top 10 of materials research institutes in the world.

The first five weeks of the Top Master Programme are spent on an individual programme to remedy any deficiencies in background knowledge a student may have. The core curriculum consists of three large courses representing the basic knowledge of nanoscience: preparation of nanomaterials and devices, characterisation of nanomaterials, and fundamental and functional properties of nanomaterials. The second year is largely taken up by an independent, substantial research project.

### Career prospects

The programme is designed for people who want to pursue a career in scientific research at:

- › universities
- › research institutions
- › large companies

### More information

Programme website  
[www.rug.nl/fwn/MScNanoscience](http://www.rug.nl/fwn/MScNanoscience)

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

### WHY CHOOSE US?

- › Offered by the Zernike Institute which is ranked fifth in the THES world's Top 10 institutes in materials science
- › Working together with world-class scientists
- › Highly ranked educational programme

### Application

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

Application deadline EU: 1 May 2014  
If there are positions open after 1 May, EU applications are still welcome.

Application deadline non-EU: 1 February 2014

### Admission

- › Admission is highly selective
- › Bachelor's degree in Chemistry, Physics, Materials Science or equivalent field
- › English proficiency (non-EU student only): TOEFL 580/237/92 or IELTS 6.5

Please visit our [website](#) for detailed information