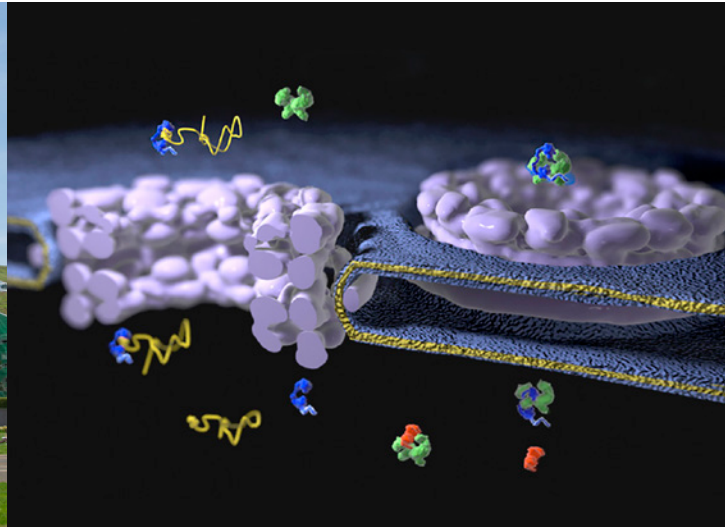




university of
groningen

faculty of science
and engineering



Faculty of Science and Engineering

Groningen, the Netherlands



- › Broad range of science and engineering disciplines
- › Both fundamental and interdisciplinary research
- › Research and education intertwined
- › Study programmes in English

www.rug.nl/fse

The **Faculty of Science and Engineering** of the University of Groningen encompasses a vast array of disciplines and research strengths. We offer a broad range of Bachelor's and Master's degree programmes in the fields of Science, Engineering and the Life Sciences. Our study programmes are almost all English-taught both at undergraduate and graduate level. Our 10 research institutes pursue fundamental key questions while collaborating with partners from industry, the medical world and other realms of society.

The **University of Groningen** (Groningen city, the Netherlands) has a rich academic tradition dating back to 1614. The University has a strong international reputation and maintains a firm position in the top 100 of leading international ranking lists.

University's rankings

NTU	#68
THE	#82
ARWU	#73
QS	#147
Webometrics	#78

Faculty of Science and Engineering

Broad science and engineering faculty with education and research in the following disciplines:

- › Chemistry, Physics, Mathematics, Astronomy
- › Industrial, Chemical, Mechanical and Biomedical Engineering, Applied Physics, Applied Mathematics
- › Biology, Pharmacy, Life Sciences, Neurosciences, Environmental Sciences
- › Computing Science, Artificial Intelligence



FACTS & FIGURES

Faculty of Science and Engineering

6,355 students, 90 nationalities

28,700 alumni

14 Bachelor's degree programmes

26 Master's degree programmes

6 locations > 5 at Zernike campus, 1 at university medical center

1,408 academic staff (67% international)

> 145 full professors

> 1,246 PhD students (75% international)

2,600 publications a year

10 research institutes

Deep Tech Pioneer Fellowship

Tenure track system

Graduate School of Science and Engineering

Double doctorates

212 PhD defenses each year

EUR 150 mln annual budget



University of Groningen

33,000 students, 120 nationalities

180,000 alumni

45 Bachelor's degree programmes

120 Master's degree programmes, most English-taught

10 faculties + University College

4,200 academic staff (44% international, 46% female)

Founded in 1614

www.rug.nl/fse/awards

Nobel prize in Chemistry,
Ben Feringa



Nobel prize in Physics,
Frits Zernike

EDUCATION

The teaching on our Bachelor's and Master's degree programmes is strongly intertwined with our research. The new developments within the research fields we cover are promptly included in teaching, which introduces students to research very early on. In addition, our students are directly involved in our research and receive high-quality supervision during their thesis projects and internships.

International student mobility

Both undergraduate and graduate students from partner universities can spend up to 10 months at the faculty as guest students, following courses and/or engaging in research projects of variable duration. Guest students are waived tuition fees and have unlimited access to all student services at the University of Groningen. In addition to bilateral partnerships, the faculty takes part in mobility programmes funded by governmental institutions or university consortia.

Career oriented

Our Master's students are thoroughly prepared for careers in both research and industry. We offer students the chance to gain industry experience through placements at our partner organizations in a number of engineering programmes. Our choice of industry partners ranges from large multinationals (such as Shell, Philips and Unilever) to dynamic small and medium-sized enterprises in the Groningen area.

www.rug.nl/fse/education

Services for exchange students

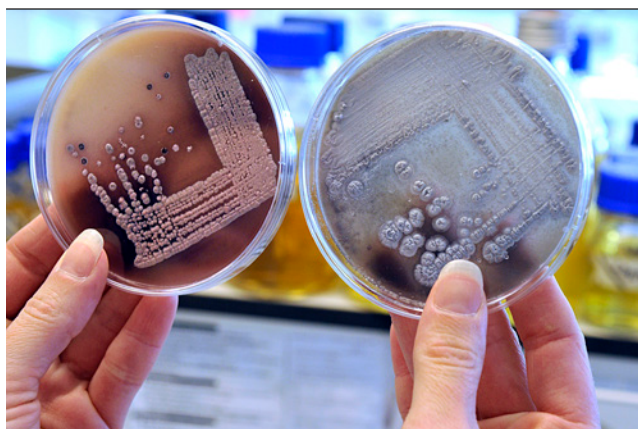
Our International Office guides incoming exchange students through their application and registration. The University of Groningen furthermore assists with visa application procedures for incoming non-EEA students.

exchange.science@rug.nl



RESEARCH

The Faculty of Science and Engineering has a track record of research excellence in many of its fields. This is reflected in the large amount of externally acquired funding such as the number of successes in the ERC Grant and national funding programmes.



Our research institutes harbour a kaleidoscope of disciplines and research strengths:

- › Bernoulli Institute for Mathematics, Computer Science and Artificial Intelligence
- › Engineering and Technology institute Groningen
- › Energy and Sustainability Research Institute Groningen
- › Groningen Biomolecular Sciences and Biotechnology Institute
- › Groningen Institute for Evolutionary Life Sciences
- › Groningen Research Institute of Pharmacy
- › Institute for Science Education and Communication
- › Kapteyn Astronomical Institute
- › Stratingh Institute for Chemistry
- › Van Swinderen Institute for Particle Physics and Gravity
- › Zernike Institute for Advanced Materials

www.rug.nl/research/fse/

Research themes

We find that excellence is most abundant where research is carried out across the borders of disciplines and researchers let themselves be challenged by questions from other areas. To fully harness the opportunities for interdisciplinary research in a broad faculty and to play to our research strengths, our research is profiled by five interdisciplinary themes:

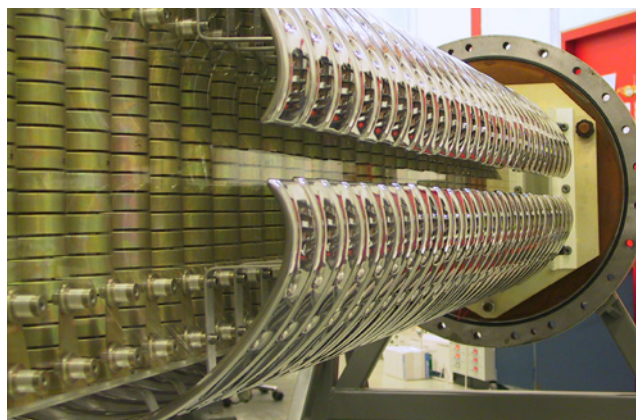
- › Advanced Materials
- › Adaptive Life
- › Data Science and Systems Complexity
- › Fundamentals of the Universe
- › Molecular Life and Health

www.rug.nl/research/fse/themes

Graduate School of Science and Engineering

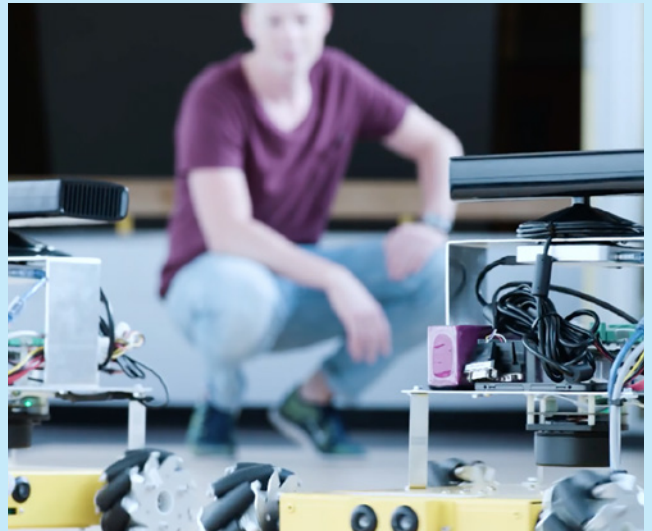
PhD projects are embedded in and supervised by our research institutes. Our Graduate School directs the overarching PhD programme and provides all PhD students at our faculty with the necessary training, guidance and professional development. The Graduate School also facilitates international double doctorate collaboration.

www.rug.nl/fse/gradschool



DEGREE PROGRAMMES

BSc	MSc	Applied Mathematics
BSc	MSc	Applied Physics
BSc	MSc	Artificial Intelligence
BSc	MSc	Astronomy
	MSc	Behavioural and Cognitive Neurosciences
BSc	MSc	Biology
BSc	MSc	Biomedical Engineering
	MSc	Biomedical Sciences
	MSc	Biomolecular Sciences
BSc	MSc	Chemical Engineering
BSc	MSc	Chemistry
	MSc	Computational Cognitive Science
BSc	MSc	Computing Science
	MSc	Ecology and Evolution
	MSc	Energy and Environmental Sciences
BSc	MSc	Industrial Engineering & Management
BSc		Life Science and Technology
	MSc	Marine Biology
BSc	MSc	Mathematics
	MSc	Mechanical Engineering
	MSc	Medical Pharmaceutical Sciences
	MSc	Nanoscience
BSc	MSc	Pharmacy (Dutch taught)
BSc	MSc	Physics
	MSc	Science Education and Communication
	MSc	Water Technology (joint degree)



Contact information

Degree-seeking students:

studyscience@rug.nl

Education portal:

www.rug.nl/fse/education/

International office:

exchange.science@rug.nl

Information about PhD careers:

www.rug.nl/fse/gradschool

Research portal:

www.rug.nl/research/fse

Faculty of Science and Engineering
University of Groningen
Nijenborgh 9
9747 AG Groningen
The Netherlands

www.rug.nl/fse/

