

# Faculty of Science

“The Faculty of Science undertakes world-class research spanning wide-ranging topics including quantum physics, plant genomics, human imaging, sustainable chemistry, neuroscience, mathematical modelling and beyond. We work closely with industry on the training of the next generation of scientists and collaborate worldwide to ensure our research has a major societal impact.”

Professor Kevin Shakesheff  
Pro-Vice-Chancellor, Faculty of Science

## Science at Nottingham

By joining the Faculty of Science you will be a part of something big. The faculty is made up of seven schools, all of which rank highly in the league tables and are recognised for their research, knowledge exchange and teaching.

You will have access to the latest technologies, facilities, infrastructure and cutting-edge equipment and you will work side by side with academics who are specialists in their field. These experts enable us to produce the highest quality graduates who are in much demand by employers across industry, commerce, science and academe. We will work with you at the forefront of new developments in science that are continually having a huge impact on our daily lives.

## Teaching

Our teaching strategy is to develop graduates who have a thorough grounding in their subject of study, are aware of research, have a critical approach to knowledge, can study independently, and have the skills and attributes to be successful in employment.

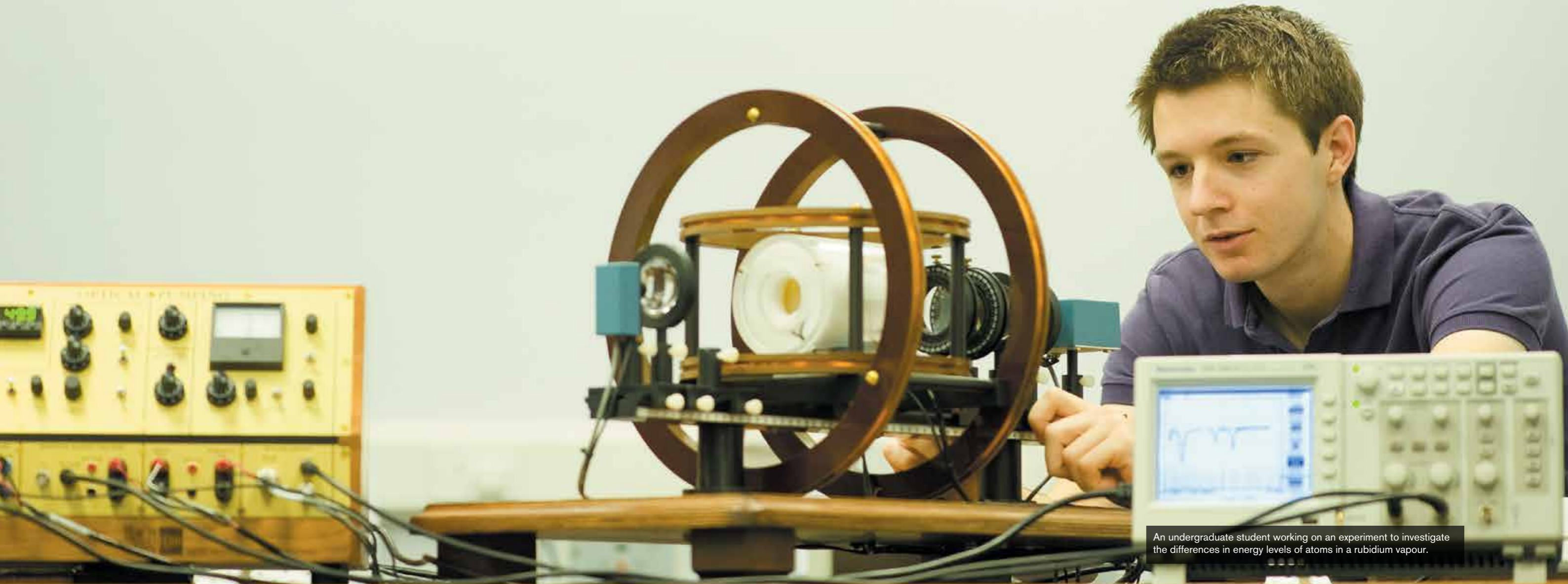
We are particularly keen to ensure that our students have a well-balanced programme of lectures, tutorials and seminars. Laboratory and project work is an intrinsic part of our undergraduate degrees and is highly valued and enjoyed by our students.

Our students are taught by academics who are leaders in their fields of research enabling them to engage creatively with new and exciting ideas; this is an advantage which is acknowledged and valued by employers worldwide.

The Faculty of Science comprises the following schools:

- School of Biosciences
- School of Chemistry
- School of Computer Science
- School of Mathematical Sciences
- School of Pharmacy
- School of Physics and Astronomy
- School of Psychology

In addition to discipline-specific courses, we also offer BSc and MSc degrees in natural sciences, reflecting the multi-disciplinary approach we take to teaching and research. We also have strong links with the Faculties of Engineering and Medicine and Health Sciences – which incorporates biology in the School of Life Sciences.



An undergraduate student working on an experiment to investigate the differences in energy levels of atoms in a rubidium vapour.



## Research excellence in science

More than 98% of research within the Faculty of Science was recognised by the 2014 Research Excellence Framework (REF) as being 'world-leading' and 'internationally excellent'. Four of the six units submitted were in the top ten by research power. All our schools are placed very high nationally, with many areas ranked in the top 10. The School of Pharmacy came joint first in the UK on quality of research for pharmacy schools in the 2014 REF and is the only one to have 100% impact of research at 4\* in the 'Impact on Society' category. The REF also judged 95% of the School of Chemistry's research activity to be 'internationally excellent' or 'world-leading'. The 2015 National Student Survey also placed Nottingham's School of Chemistry in the top three within the Russell Group. The School of Physics and Astronomy was also placed joint third of all physics departments in the country in the latest REF.

There is a huge range of ground-breaking research activity being undertaken within the faculty. With an impressive research portfolio of £158,606k from external sources, the Faculty of Science hosts over 1,500 postgraduate students. Our research delivers fundamental knowledge and solutions to grand challenge problems in plant and animal sciences, astronomy and physics, the digital economy, drug discovery, energy, food, healthcare, advanced materials, mathematics and statistics, nanosciences and chemical sustainability.

Schools from the Faculty of Science collaborate with schools from across the University to form research centres and research institutes.

### Our research centres:

- Centre for Biomolecular Sciences
- Centre for Plant Integrative Biology
- Centre for Sustainable Chemistry
- Centre for the Environment
- Horizon Digital Economy Research
- Horizon Centre for Doctoral Training
- Hounsfield Facility – 3D X-ray imaging
- International Doctoral Training Centre
- LACE – Bioenergy
- Nottingham Nanotechnology and Nanoscience Centre

### Our research institutes:

- Institute of Hearing Research
- Institute of Work, Health and Organisations
- Learning Sciences Research Institute

For further information about the Faculty of Science, please visit [www.nottingham.ac.uk/science](http://www.nottingham.ac.uk/science)

## Working with industry

The faculty offers valuable services and knowledge exchange to businesses and industry and our strong links with industry and SMEs are especially important. We have technology, knowledge, research and people that can be utilised by companies to aid their processes and improve the way they work.

We interact with industry in many ways:

- Industrial secondments and placements
- Staff training
- Consultancy
- Technology licensing
- Knowledge Transfer Partnerships (KTPs)

Our industrial partners range from start-ups and SMEs to major multinationals, with many interactions leading to long-term relationships. For more information please visit

[www.nottingham.ac.uk/science/services-for-business](http://www.nottingham.ac.uk/science/services-for-business)

In addition, The University of Nottingham is one of the most popular universities in the UK among graduate employers according to reports conducted by High Fliers Research in 2013, 2014 and 2015.

## Faculty of Science facts

- More than 5,000 undergraduate students
- Over 1,500 postgraduate students, including over 1,000 postgraduate research students and around 490 postgraduate taught masters students
- 61 undergraduate courses and 47 postgraduate taught courses
- Total research portfolio of £158,606
- Attracted £63,129k in research awards from external sources in 2014/15

