

Natural Sciences



Degree Courses

MNatSci Natural Sciences	208
BSc Natural Sciences	208
BSc Natural Sciences with a year in Europe	208
BSc Natural Sciences with a year in Australasia	208
BSc Natural Sciences with a year in North America	208
BSc Natural Sciences with a year in Industry	208

Further information

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Admissions Policy

A typical A level offer for entry to the programme is AAA for all of our three and four year degree programmes which include the Integrated Master's (MNatSci) course and courses with a year abroad or in industry. This should include at least two of the following subjects: biology, chemistry, physics, mathematics, environmental science or geography or geology, and information and communication technology. We encourage applications from international students and those with alternative qualifications including advanced vocational qualifications and International Baccalaureate. Please contact the Faculty of Science Admissions Office for further details and see page 43.

We invite all suitably qualified applicants to visit us to see the campus and our laboratories and to meet students and staff.

Teaching and Assessment

Natural Sciences is taught across the Faculty of Science through a combination of lectures, seminars, laboratory sessions, problem-solving workshops and field work. Modules are assessed by a combination of coursework and examination. Marks from the first year do not count towards your degree classification. You will be allocated a personal adviser who will be a lecturer and researcher in one of your chosen major subjects, and will help you to construct your chosen programme of study.

Research Areas

The Faculty of Science is nationally and internationally renowned for its world-class research. Research links between the Schools of Biological Sciences, Chemical Sciences and Pharmacy, Computing Sciences, Environmental Sciences and Mathematics are strong. This interdisciplinarity is extended beyond the Faculty of Science to the John Innes Centre, the Institute of Food Research and the Norfolk and Norwich University Hospital in the Norwich Research Park.

Career Prospects

A Natural Science degree is an excellent preparation for many careers. The majority of graduates continue specialisation in their chosen scientific field, either through employment or further academic study.

Integrated Sciences

You may choose the Integrated Sciences route through Natural Sciences. This provides a thorough grounding in physics and chemistry even if you do not have A levels in physics, maths and chemistry. This route is endorsed by the Institute of Physics.

Key facts

- ✦ Flexibility enables you to tailor the degree to meet your specific interests, including incorporating a year of study abroad or in industry
- ✦ Opportunity to undertake original interdisciplinary scientific research
- ✦ Combine subjects from a wide range of sciences including biology, physics, mathematics, chemistry, environmental science and computing
- ✦ Stimulating 'research-led' teaching at the cutting-edge of your chosen subjects
- ✦ Strong practical focus through laboratory work and field courses

“I chose Natural Sciences because of the flexibility you get with the many module choices. I wanted to do a degree that covered a broad area of topics, that I could tailor to my interests.”

Elizabeth Francis, Natural Sciences

Natural Sciences

MNatSci Natural Sciences

UCAS code CGFO

A level (typical offer): AAA
International baccalaureate: 34
(incl 3 HL subjects at grade 6)
Length of course: 4 years

BSc Natural Sciences

UCAS code CFGO

A level (typical offer): AAA
International baccalaureate: 34
(incl 3 HL subjects at grade 6)
Length of course: 3 years

BSc Natural Sciences with a year in Europe

UCAS code FGCO

BSc Natural Sciences with a year in Australasia

UCAS code FCGO

BSc Natural Sciences with a year in North America

UCAS code GFCO

BSc Natural Sciences with a year in Industry

UCAS code GFCO

A level (typical offer): AAA
International baccalaureate: 34
(incl 3 HL subjects at grade 6)
Special entry requirements:
GCSE grade B or above in an appropriate
foreign language (Europe) for FGCO
Length of course: 4 years
Study abroad:
Yes for FGCO, FCGO and GFCO

These programmes are taught within the Faculty of Science, comprising the Schools of Biological Sciences, Chemical Sciences and Pharmacy, Computing Sciences, Environmental Sciences and Mathematics. The Faculty of Science is renowned for its world-class research, and research success has secured our ranking as one of the top 15 research intensive universities for science in the UK. Our stimulating, research-led teaching programme will ensure that you will be taught at the forefront of your chosen disciplines.

The Natural Sciences programme is ideal if you wish to combine study in more than one area of science but retain a larger degree of flexibility than joint degrees allow. You will study modules from a minimum of two key disciplines with the opportunity to specialise as you develop your degree.

In the final year you will undertake an individually supervised research project in your chosen discipline. The four-year Integrated Master's programme enables you to undertake advanced study in at least two science disciplines to Master's level. The four-year variants of the BSc programme offer the option to spend a year of study abroad in Australasia, North America or Europe, or on a relevant work placement.

Key Disciplines

You will specialise in a minimum of two key disciplines throughout your programme of study. Specific topics within each of the key disciplines will be addressed in the extensive range of course modules available in the Faculty of Science. A few examples are given below and further information is available in our course brochure and on our website.

Biology: Cell, Plant, Molecular and Evolutionary Biology; Biochemistry; Genetics; Biomedicine; Microbiology; Biotechnology.
Chemistry: Organic, Inorganic, Physical, Analytical, Theoretical, Materials, Pharmaceutical, Medicinal, Biophysical and Environmental Chemistry.

Computing: Graphics; Animation and Games; Electronics; Speech and Language Processing; Imaging and Multimedia; Business Information Systems.

Environmental Sciences: Volcanoes and Tectonics; Meteorology; Oceanography; Energy; Geochemistry; Pollution; Ecology; Climate Science; Hydrology.

Mathematics: Algebra; Calculus; Mathematical Logic; Fluid Dynamics; Finite Group Theory; Complex Analysis; Elasticity.
Physics: Astrophysics; Waves; Physics of Music; Geophysics; Atmospheric Physics; Aerodynamics; Fluids and Solids.

A Year in Australasia or North America

If you follow one of these year abroad variants you will spend your third year in Australasia at universities based in Sydney, Perth, Melbourne and Brisbane in Australia and Canterbury or Auckland in New Zealand. The year in North America option currently has exchange programmes with universities across the United States and Canada, including Florida, California, Texas, Vancouver and Calgary.

A Year in Europe

If you follow the European exchange programme you will take appropriate language units during your second year, before spending your third year of study at a university in a European country including France, Spain, Italy, Germany and the Netherlands amongst others.

A Year in Industry

In this programme you will spend your third year of study on an industrial placement. Immersing yourself in a commercial environment helps you gain invaluable experience and a greater understanding of the application of your science interests. On completion of your placement you return to UEA for the final year of your degree.