Natural Sciences

Theorise it

Apply it

nottingham.ac.uk/naturalsciences
Undergraduate guide 2019
I chose natural sciences because I couldn’t decide which science was my favourite! I wasn’t sure which to give up so I decided not to. I studied the biology-chemistry-psychology pathway.

Eva Newman, MSci Natural Sciences
Studying natural sciences at Nottingham

Throughout history scientists have attempted to make sense of the world, identifying problems and providing solutions. Many challenges of the 21st century such as climate change, energy and sustainability, require an interdisciplinary approach to find solutions.

Great scientists think beyond the boundaries of a discipline and find solutions to problems using methods across the broader spectrum of science. This is what we teach our students to become - great scientists.

At a glance

- Tailor your studies to match your interests and career aspirations through a flexible, structured programme
- Spend some of your degree abroad in Australia, Canada, New Zealand, Singapore or the USA
- Learn a range of practical and transferable skills which open up a range of employment options

Natural sciences is the degree for you if:

- You are enjoying two or more of the subjects you are currently studying and would like to continue them
- You are interested in a career where knowledge of more than one science is advantageous
- You want to gain a science degree which keeps your career options open

8th in the UK for research power*

* Research Excellence Framework, 2014

One of the major strengths of the teaching at Nottingham comes from our ability to bring the latest scientific developments into the classroom. The combination of international research excellence and state-of-the-art facilities for teaching creates an engaging, dynamic and intellectually challenging learning environment.

Why study with us?

Our courses

### Degree title | UCAS code | Duration | A levels | IB
---|---|---|---|---
BSc Natural Sciences | FGC0 | 3 years | A*AA^ | 38
MSci Natural Sciences | GFC0 | 4 years | A*AA^ | 38

^ A*AA; including a minimum of A in the required subjects for your pathway. Required subjects vary by pathway, please see page 17 of this guide for details.

Course structure

Our natural sciences degrees are single honours programmes which allow you to study more than one science alongside gaining an understanding of the interdisciplinary nature of science. In your first year, you study three science subjects and continue with two subjects from your second year onwards. The combination of subjects which you study is called your pathway. A full list of pathways can be found on page 17.

The subjects available are:

- archaeology
- biological sciences
- chemistry
- environmental science
- geography
- mathematics
- physics
- psychology

Years one to three

You take three subjects during year one alongside a core skills module. In year two you choose two subjects and develop your understanding of them throughout years two and three. In your third year you also take the synoptic module (see page 16 for more details).

Three or four years

The BSc provides a broad understanding of your chosen areas of science alongside the skills and knowledge needed for a wide variety of careers. The MSci builds upon the BSc allowing you to undertake research in a professional scientific environment and provides the skills needed for a career in research.

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Year four

During the final year, half of your time will be spent undertaking a research project. Alongside this you follow taught modules to develop your research skills and advanced modules which bring you to the forefront of current research.

You can transfer between the BSc and the MSci up to the end of year two, provided you meet the necessary progression criteria.

English language requirements

IELTS 6.5 (no less than 6.0 in any element). For details of other English language tests and qualifications we accept, please see nottingham.ac.uk/go/alternativerequirements

Academic English preparation

If you require additional support to take your language skills to the required level, you may be able to attend a presessional course at the Centre for English Language Education, which is accredited by the British Council for the teaching of English in the UK.

Students who successfully complete the presessional course to the required level can progress onto their chosen degree course without retaking IELTS or equivalent. Find out more at nottingham.ac.uk/cele
Archaeology

Archaeologists study all periods ranging from the earliest origins of humanity to later prehistoric and historically documented societies, developing their knowledge by studying material remains. It is a multidisciplinary subject combining the sciences and humanities.

Typical modules

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<thead>
<tr>
<th>Year one</th>
<th>Year two</th>
<th>Year three</th>
<th>Year four</th>
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</thead>
<tbody>
<tr>
<td>Understanding the Past</td>
<td>Archaeology and Society</td>
<td>Archaeological Project</td>
<td>Special Topic in Archaeology 1 and 2</td>
</tr>
<tr>
<td>Introduction to Archaeological Science</td>
<td>Archaeological Research: Theory and Practice</td>
<td>Dissertation</td>
<td>Research Skills in Archaeology</td>
</tr>
<tr>
<td>Food and Culture</td>
<td>Dead Important</td>
<td>Through a Glass Darkly</td>
<td>Mycenaean Greece</td>
</tr>
</tbody>
</table>

Fieldwork placement

If you are continuing archaeology beyond the first year you are required to gain excavation experience in the UK or overseas. We will assist you with securing a placement.

Modules may change, for example due to curriculum developments. The above list is a sample of typical modules that we offer, not a definitive list. The most up to date information can be found on our website at nottingham.ac.uk/ugstudy/archaeology

Archaeology

Biological sciences

Biological sciences is the study of life and living organisms. It is a vast subject which incorporates many different branches and sub-disciplines including molecular biology, biochemistry, physiology and genetics.

Year one

The biological sciences strand is built around two core areas: molecular/ cellular biology and organismal biology. Whichever core area you follow you will study foundation modules that include practical laboratory experience and skills.

Years two and three

After the first year, you will be able to tailor your studies within your chosen core area by choosing one of several sub-pathways and the third year allows for further specialisation through sub-pathways. Alongside both years you are able to explore your interests within biological sciences through a range of optional modules in areas such as developmental biology, neuroscience, evolution and genetics.

Available with:
- archaeology and chemistry
- chemistry and mathematics
- environmental science and chemistry
- geography and chemistry
- geography and mathematics
- physics and mathematics
- psychology and chemistry
- psychology and mathematics

Typical modules

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<tr>
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<th>Year four</th>
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</thead>
<tbody>
<tr>
<td>Genes, Molecules and Cells</td>
<td>The Genome and Human Disease</td>
<td>Molecular Laboratory Skills</td>
<td>Research Project</td>
</tr>
<tr>
<td>Evolution, Ecology and Behaviour</td>
<td>Bacterial Genes and Development</td>
<td>Gene Regulation</td>
<td>Research Planning and Preparation</td>
</tr>
<tr>
<td>Animal Behaviour and Physiology</td>
<td>Microbial Biotechnology</td>
<td>Conservation</td>
<td>Research Presentation Skills</td>
</tr>
<tr>
<td>Ecology</td>
<td>The Green Planet</td>
<td>Human Variation</td>
<td>Cutting Edge Research</td>
</tr>
<tr>
<td>Infection and Immunity</td>
<td>Evolutionary Biology of Animals</td>
<td>Molecular and Cellular Neuroscience</td>
<td>Technologies and Ideas in Molecular Biology</td>
</tr>
<tr>
<td>Building Brains</td>
<td>Developmental Biology</td>
<td>Molecular Evolution</td>
<td>Advanced Experimental Design and Analysis</td>
</tr>
<tr>
<td>Ageing Sex and DNA Repair</td>
<td></td>
<td>Population Genetics</td>
<td>Process and Practice in Science</td>
</tr>
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Available with:
- biological sciences and chemistry

nottingham.ac.uk/ugstudy/naturalsciences
Chemistry

Chemistry is the study of the composition and properties of matter and the changes it undergoes. It is the key to understanding the natural world, enhancing our quality of life and the environment.

Year one
In the first year you will study organic, inorganic and physical chemistry, through an integrated theory and laboratory module before specialising further. If you continue chemistry beyond the first year you are able to choose two branches of chemistry on which to focus your interests.

Years two and three
In the second year, you will take theoretical and practical modules that will build on the knowledge and understanding gained in the first year in your chosen branches. In the third year the core material accounts for approximately 60% of your study time, the remainder of which can be covered by optional modules.

As a chemist, laboratory work is one of the most important skills you develop during your degree. You will be introduced to a range of current synthetic and analytical approaches, as well as the operation of modern instrumentation in advanced modern laboratories.

Available with:
- archaeology and biological sciences
- biological sciences and mathematics
- environmental science and biological sciences
- environmental science and geography
- geography and biological sciences
- physics and mathematics

Typical modules

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<tr>
<td>Core Lab Work</td>
<td>Advanced Lab Techniques</td>
<td>Research Project</td>
<td>Global Environmental Processes</td>
</tr>
<tr>
<td>Synthetic Organic Chemistry</td>
<td>Pericyclic Chemistry and Reactive Intermediates</td>
<td>Advanced Physical Chemistry</td>
<td>Soil Science</td>
</tr>
<tr>
<td>Energy, Spectroscopy and Solid State Chemistry</td>
<td>Chemical Bonding and Reactivity</td>
<td>Advanced Biocatalysis</td>
<td>Climate Change Science</td>
</tr>
<tr>
<td>Inorganic Chemistry</td>
<td>Solids, Interfaces and Surfaces</td>
<td>Inorganic and Materials Chemistry</td>
<td>Environmental Science Field Course</td>
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<tr>
<td></td>
<td>Bioinorganic and Metal Coordination Chemistry</td>
<td>Medicines from Nature</td>
<td>Ecosystem Processes</td>
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<td></td>
<td>Lasers in Chemistry</td>
<td></td>
<td>Soil and Water Science</td>
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<td></td>
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<td></td>
<td>Computer Modelling in Science: Introduction</td>
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nottingham.ac.uk/ugstudy/naturalsciences

Environmental science

Environmental science provides a systems-based approach to the analysis of environmental problems. You will gain a solid understanding of the Earth’s processes, the way in which organisms interact with their environment, and how air, soil and water pollution can be monitored, modelled and remediated.

Year one
During the first year you study a mixture of theory and practical modules to gain a broad overview of the subject. Practical work is an essential aspect of environmental study and you have the opportunity to gain experience in both the field and the laboratory throughout your degree.*

Years two and three
In the second year, the science behind climate change and influences on water chemistry are key topics alongside a wide range of optional modules. Your focus will shift in the third year towards environmental pollutants with further opportunities to explore the subject through options. During the second and third year you also have the opportunity to gain hands-on experience by taking part in field modules.*

Teaching in the first year of the environmental sciences strand is based entirely at University Park Campus but some modules in the second, third and fourth year are taught at Sutton Bonington Campus, easily reached via the University’s hopper bus.

* Some of the modules with fieldwork may require a contribution towards the cost.

Available with:
- biological sciences and chemistry
- geography and chemistry

Typical modules

<table>
<thead>
<tr>
<th>Year one</th>
<th>Year two</th>
<th>Year three</th>
<th>Year four</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Environmental Processes</td>
<td>Forest Ecology</td>
<td>Computer Modelling in Science Applications</td>
<td>Research Project</td>
</tr>
<tr>
<td>Environmental Geoscience</td>
<td>Soil Science</td>
<td>Arctic Ecology Field Course</td>
<td>Statistics and Experimental Design</td>
</tr>
<tr>
<td></td>
<td>Climate Change Science</td>
<td>Environmental Pollution Field Course</td>
<td>Project Management</td>
</tr>
<tr>
<td></td>
<td>Environmental Science Field Course</td>
<td>Paleobiology</td>
<td>Writing and Reviewing Research Proposals</td>
</tr>
<tr>
<td></td>
<td>Ecosystem Processes</td>
<td>Environmental Pollutants: Fate, Impact and Remediation</td>
<td>Syndicate Exercise</td>
</tr>
<tr>
<td></td>
<td>Soil and Water Science</td>
<td>Computer Modelling in Science: Introduction</td>
<td>Communication and Public Engagement Skills for Scientists</td>
</tr>
</tbody>
</table>

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nottingham.ac.uk/ugstudy/chemistry
### Geography

**Geography** is the study of the Earth’s landscapes, environments, people and places. The geography strand of natural sciences is entirely physical geography, meaning that the focus is on understanding the dynamics of the physical landscape and the environment.

#### Year one
During the first year you will gain a good grounding of physical geography, including the principles which underlie climate, atmospheric circulation, and geomorphology. Biogeography, ocean currents, ecology, fluvial systems, hydrology and environmental change are other areas of current interest we explore. You will also have small-group classes which help you to develop essay writing and presentation skills.

#### Years two and three
In the second year you will further develop your geographic study skills through a module which incorporates fieldwork, lab work and surveying techniques. Alongside this, you will have the opportunity to choose optional modules in the areas that interest you the most. The third year allows you to continue exploring your interests through taught classes and fieldwork.

**Typical modules**

<table>
<thead>
<tr>
<th>Year one</th>
<th>Year two</th>
<th>Year three</th>
<th>Year four</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earth and Environmental Dynamics</td>
<td>Techniques in Physical Geography</td>
<td>Environmental Informatics and Modelling</td>
<td>Geography Dissertation</td>
</tr>
<tr>
<td>Tutorial</td>
<td>Environmental Change</td>
<td>Global Climate Change</td>
<td>Geographical Research Methods</td>
</tr>
<tr>
<td>On Earth and Life</td>
<td>Patterns of Life</td>
<td>Scale and Diversity in the Canary Islands</td>
<td>Spatial Decision Making</td>
</tr>
<tr>
<td>Introduction to Geographic</td>
<td>River Processes and Dynamics</td>
<td>River Management and Restoration</td>
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</tr>
<tr>
<td>Information Systems</td>
<td>Desert</td>
<td>Quaternary Environments</td>
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<tr>
<td>Physical Landscapes of Britain</td>
<td>Geomorphology</td>
<td>Geological Hazards and Resources</td>
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<td></td>
<td>Digital Explorers</td>
<td>Foundations of Environmental Management</td>
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<tr>
<td></td>
<td>Earth Observation</td>
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</tbody>
</table>

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### Mathematics

**Mathematics** is a subject integral to everyday life which lies at the heart of science, technology and finance. It underpins applications ranging from the origin of the universe to the human genome; the structure and functioning of the internet to the behaviours of financial markets.

#### Year one
In year one you will cover the analytical and computational foundations of the subject, including computer workshops in MATLAB, together with calculus and linear algebra.

#### Years two and three
The foundations and skills required to undertake mathematical modelling are developed through taking one of three sub-pathways. One complements physics and the other two are appropriate for all other subject combinations.

In the third year you will continue on your chosen sub-pathway, and in addition to studying advanced mathematical skills, you can tailor your studies with a broad range of options.

#### Year four
For students on the four-year programme, there are modules allowing you to develop expertise in research areas including computational and systems biology, nonlinear dynamics and quantum information science.

**Typical modules**

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<thead>
<tr>
<th>Year one</th>
<th>Year two</th>
<th>Year three</th>
<th>Year four</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical and Computational</td>
<td>Vector Calculus</td>
<td>Mathematical Medicine and Biology</td>
<td>Mathematics Dissertation</td>
</tr>
<tr>
<td>Foundations</td>
<td>Mathematical Physics</td>
<td>Biology</td>
<td>Scientific Computing</td>
</tr>
<tr>
<td>Calculus and Linear Algebra</td>
<td>Applied Statistics and Probability</td>
<td>Game Theory</td>
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<td></td>
<td>Modelling with Differential Equations</td>
<td>Differential Equations</td>
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<tr>
<td></td>
<td>Scientific Computing</td>
<td>Coding and Cryptography</td>
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<td></td>
<td>Electromagnetism</td>
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</tbody>
</table>

Available with:
- biological sciences and chemistry
- biological sciences and mathematics
- environmental science and chemistry
- physics and mathematics

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Physics

Physics is a fundamental science which explores the nature and properties of matter, energy, motion and force. Advances in physics are directly responsible for transforming the modern landscape and developing many of the technologies which are commonplace today.

You will develop your understanding through a carefully chosen range of modules which introduce you to the fundamental concepts of modern physics.

Year one
In the first year you take a single module, laying the foundations of central concepts which will underpin your study in later years. This includes classical mechanics, wave phenomena, relativity, electromagnetism and quantum physics.

Years two and three
In the second and third years, you will further develop your core physics understanding. The programme also includes a thorough grounding in experimental work.

Year four
For students taking the four-year programme, there are module options allowing you to expand your horizons in fundamental areas linked to research in the school, including cosmology, nanoscience and quantum phenomena.

Typical modules

<table>
<thead>
<tr>
<th>Year one</th>
<th>Year two</th>
<th>Year three</th>
<th>Year four</th>
</tr>
</thead>
<tbody>
<tr>
<td>From Newton to Einstein</td>
<td>The Quantum World</td>
<td>Atoms, Photons and Fundamental Particles</td>
<td>Physics Research Project</td>
</tr>
<tr>
<td></td>
<td>Classical Fields</td>
<td>Physics Lab Project</td>
<td>Solid State Physics</td>
</tr>
<tr>
<td></td>
<td>Experimental Techniques and Instrumentation</td>
<td>Thermal and Statistical Physics</td>
<td>From Accelerators to Imaging</td>
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<tr>
<td></td>
<td>Thermal and Statistical Physics</td>
<td>Introduction to Solid State Physics</td>
<td>Atmospheric Physics</td>
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<td></td>
<td>Optics and Electromagnetism</td>
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<td>Introduction to Cosmology</td>
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<td>Soft Condensed Matter</td>
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<td>Theoretical Particle Physics</td>
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<td></td>
<td>Extreme Astrophysics</td>
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<td>Functional Medical Imaging</td>
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<td>Imaging and Manipulation at the Nanoscale</td>
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</table>

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<tbody>
<tr>
<td>Cognitive Psychology 1</td>
<td>Biological Psychology</td>
<td>Neuroscience and Behaviour</td>
<td>The Visual Brain</td>
</tr>
<tr>
<td>Biological Psychology</td>
<td>Social Psychology</td>
<td>Conceptual and Historical Issues</td>
<td>Neuropsychology and Applied Neuroimaging</td>
</tr>
<tr>
<td>Developmental Psychology</td>
<td></td>
<td>Personality and Individual Differences</td>
<td>Mechanisms of Learning and Psychopathology</td>
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<td></td>
<td></td>
<td>Social and Developmental Psychology</td>
<td>Cognitive Development and Autism</td>
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<td>Developmental Dyslexia</td>
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<td>Forensic and Mental Health</td>
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<td>Clinical Psychology</td>
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Psychology

Psychology is the scientific study of the brain and behaviour. Its research methods include brain scanning, movement coordination, reaction times, questionnaires, and interviews.

Year one
The first year offers a broad foundation in cognitive, biological, social, and developmental psychology (depending on the sub-pathway), which are required for all subsequent study.

Years two and three
Advanced cognitive, neuroscience, and social psychology courses are taken in the second year, which prepare the ground for the specialist topics in the third year. Final-year modules are research-led, focusing on current issues in the specialist topics of the module lecturers.

Typical modules

<table>
<thead>
<tr>
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Academic and Transferable Skills Portfolio

Taken in your first year, this module is designed to assist you with the transition into higher education and support you in developing the skills that will help you to be successful in your studies and future employment.

The module is taught as a series of workshops some of which are compulsory and others you can opt to attend or not depending on whether you feel they would be beneficial to your pathway.

There is no upper limit to the number of workshops you can attend and you can attend workshops in any year.

The workshops fall into six categories for enhancing your learning experience:

- Writing and Communication
- Academic Skills and Techniques
- Research and Study Skills
- Wellness and Personal Management
- Career Planning and Employability
- Special Interest and Interdisciplinary

Compulsory workshops

- Guided Tour of Your Degree
  An introduction to the natural sciences degree at Nottingham: rules and regulations, expectations, attendance, support
- Plagiarism and Academic Integrity
  A workshop about plagiarism and academic misconduct and how to avoid it
- Introduction to Academic Study
  An introduction to the basic skills you need for university study; time management, preparing for classes and notetaking

Peer mentoring

The peer mentor scheme is run by students and is there to support you through your transition to university life. On your first day you will be introduced to students in their second year or above who will be your peer mentors.

You will meet with them every two weeks in the first semester and a few times during semester two to discuss how you are settling in, your academic studies and specific events in the university calendar (results, finding housing and module choice).

It will help you excel in your university career by developing some good study skills early on and build on this throughout your time here. You will gain both academic and transferable skills which will be attractive to employers as well as enhance your learning while at university.
Synoptic module

During year three, all natural sciences students take part in the synoptic module. This module brings together students from different subjects and pathways to work together in a group on an open-ended interdisciplinary project.

You will develop and refine skills which are of high value for further academic study and the workplace, such as problem solving, data-analysis, modelling, literature searching, critical thinking and communication.

You will work as part of a cross-pathway group to produce a topical science article in the style of a popular science publication to get you thinking creatively about communicating science and working as a group. Following this your group will complete a thorough evaluation of literature in your chosen interdisciplinary project area before developing a way to take this research further and make your own contribution to science through a written report and presentation.

Recent projects have included:
- Predicting the spreads of malaria and Zika virus in the light of climate change
- Chameleon colour change and behaviour as climate changes
- Comparing changes in the brain in patients with Alzheimer’s and schizophrenia
- Spontaneous calcium oscillations in astrocytes
- Defining and treating complex disease: the need for new multidisciplinary approaches
- Disorders that display synaesthesia-like symptoms
- Will we trigger the runaway greenhouse effect?
- An investigation into colour vision in 14 genera of lemur
- The effect of climate change on autumn leaf colour
- Life’s limit: temperature
- The future of bioluminescent streetlights
- Modelling sulphur atmospheric injections from 2030 to 2080

Subject pathways

All pathways require three subjects taken at A level or Higher Level\(^*,\) but the specific subjects depend on the pathway which you would like to study. Most pathways require at least two science subjects from biology, chemistry, mathematics and physics.

The table below illustrates which subjects are required at A level or Higher Level for each of the pathways we run.

<table>
<thead>
<tr>
<th>Pathways</th>
<th>Subjects</th>
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<tr>
<td>Archaeology-Biological Sciences-Chemistry</td>
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<tr>
<td>Biological Sciences-Chemistry-Mathematics</td>
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<tr>
<td>Biological Sciences-Physics-Mathematics</td>
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<tr>
<td>Chemistry-Physics-Mathematics</td>
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<tr>
<td>Environmental Science-Biological Sciences-Chemistry</td>
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<tr>
<td>Environmental Science-Geography-Chemistry</td>
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<td>Geography-Biological Sciences-Chemistry</td>
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<td>Geography-Biological Sciences-Mathematics</td>
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<tr>
<td>Mathematics-Psychology-Chemistry</td>
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<td>Physics-Geography-Mathematics</td>
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<td>Physics-Psychology-Mathematics</td>
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<tr>
<td>Psychology-Biological Sciences-Chemistry</td>
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<td>Psychology-Biological Sciences-Mathematics</td>
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</tbody>
</table>

\(*\) Excluding general studies, critical thinking, CIE global perspectives and research, CIE thinking skills and citizenship studies.

\(^*\) From biology, chemistry, environmental science, geography, geology, mathematics and physics, excluding any which are already a required subject.

nottingham.ac.uk/ugstudy/naturalsciences
Learn from expert academics

How will I study?

Through laboratory classes, computer workshops and field work you will gain hands-on experience and develop professional and practical skills, while reinforcing theory you have learned. Teaching is supported by smaller group classes which give you the opportunity to work through problems yourself, discuss ideas and ask questions to deepen your understanding of the subject.

Modules and credits

Modules are self-contained units of study that may run for either a semester or across the year. The modular system provides you with flexibility in your course as it comprises a mixture of core and optional modules. The majority of modules are worth 10, 20 or 40 credits and you will study modules totalling 120 credits in each year. The modular system provides you with flexibility in your course as it comprises a mixture of core and optional modules. The balance between core and optional modules varies by pathway.

How will I be assessed?

Modules are typically assessed at the end of the semester in which they are taught but some may have individual components or continuous assessments during the semester.

Natural sciences allows me to continue studying what I enjoyed at A level at the same time as exploring new and exciting areas of science. Nottingham’s fantastic campuses, facilities, and societies made studying here an obvious choice for me!

Lewis Rose, MSci Natural Sciences – Biology, Chemistry and Environmental Science pathway

The third-year synoptic project was a highlight for me. The opportunity to work together with my peers and combine and channel our diverse knowledge bases into one research project was invaluable. I could not have asked for a more rounded education. I am now studying for my PhD in mathematics here at Nottingham.

Jonathan Marsh, MSci Natural Sciences, Biology, Chemistry and Mathematics pathway

nottingham.ac.uk/ugstudy/naturalsciences
Outstanding careers support

Scientific knowledge underpins how the modern world works. As a result, employers are increasingly looking for graduates with expertise in a range of science subjects.

A natural sciences degree provides you with academic knowledge in more than one science subject alongside professional and transferable skills such as time management, communication and problem solving. It leaves you well prepared whichever career path you choose.

Recent graduate destinations:
- Cancer Research UK
- National Nuclear Laboratory
- PricewaterhouseCoopers
- Rolls-Royce
- BAE Systems
- Pell Frischmann (Consulting Engineers)
- Associated British Foods PLC
- Teach First

Amplify your potential
Whether you already have a plan or need some inspiration, your Careers and Employability Service is here to help.

Academic excellence and employability go hand in hand at Nottingham. Your course, and the diverse student experiences we offer, will enable you to develop the skills and professional competencies required to thrive in the job market of the future.

We will help you explore your options, so you feel confident making choices about what you want to achieve. Our team will support you as you build your CV, search for jobs, prepare applications, practise your interview technique, and much more.

nottingham.ac.uk/careers

Natural sciences at Nottingham is unique - it allows you to really work on the interfaces of sciences in a way that no other course allows, making it extremely exciting. The course community is small and friendly and is one of the aspects that has made my experience the absolute best. Nottingham is a cosmopolitan university situated in a vibrant city, and the green campus makes it the perfect place to combine study with enjoyment.

Richard Dickinson, MSci Natural Sciences
Area Manager at Amazon
How to apply

All applications for undergraduate study at Nottingham, including applications by international students, must be made through UCAS.

You can apply online at ucas.com and will be notified of decisions through UCAS Track.

Your personal statement
This is the section of your UCAS form that tells us most about you, and you should make the best use of it. Be as specific and detailed as you can – we would like to see that you are a student who can work hard, be self-motivated and make the best possible use of the opportunities that our courses offer you. We would also like to hear about any skills you have gained through extracurricular activities.

Minimum entry requirements
Unless otherwise stated in individual course profiles, all UK applicants should have GCSE English grade 4 (C) as a minimum.

Alternative qualifications
In this brochure you will find our A level and International Baccalaureate entry requirements but we accept a much broader range of qualifications. For more details, visit nottingham.ac.uk/ugstudy/applying

Flexible admissions policy
In recognition of our applicants’ varied experience and educational pathways, we employ a flexible admissions policy. If we judge that your situation has adversely affected your achievement, then we will consider this when assessing your academic potential. Some courses may make a slightly lower offer. For more information about this policy, see nottingham.ac.uk/ugstudy/applying

Mature applicants
We encourage applications from mature applicants who have a significant gap in education. You should apply through UCAS. Find out more at nottingham.ac.uk/mature

International applicants
The University provides a range of information and advice for international applicants. If you are unable to attend an open day, we can meet you in your country at one of our overseas events or arrange an individual visit to the University. For further information please visit nottingham.ac.uk/go/international-applicants

Deferred entry
Applicants who wish to defer their entry by a year will not be at a disadvantage. Please tell us something about your plans for your gap year in your UCAS personal statement.

Equal opportunities policy
The University aims to create the conditions whereby students and staff are treated solely on the basis of their merits, abilities and potential, regardless of gender, race, colour, nationality, ethnic or national origin, age, socio-economic background, disability, religious or political beliefs, trade union membership, family circumstances, sexual orientation or other irrelevant distinction.

nottingham.ac.uk/ugstudy/applying

Experience it

Around one-third of our UK students receive our means-tested core bursary, worth up to £2,000 a year (2018 entry figure; subject to change). For details, see nottingham.ac.uk/financialsupport

nottingham.ac.uk/ugstudy/applying

Live and study abroad as part of many courses
nottingham.ac.uk/studywithus/studyabroad

10 minutes from the city for music, food and shopping
nottingham.ac.uk/nottinghamlife

Student Service Centres on all UK campuses for support and advice
nottingham.ac.uk/studentservices

200+ student-led groups, clubs and societies at your Students’ Union
su.nottingham.ac.uk

Choose from 9 modern languages to study alongside your course
nottingham.ac.uk/language-centre

Join in with the vibrant musical life on campus and in the city
nottingham.ac.uk/music/performance

Accommodation to suit every budget and personal choice
nottingham.ac.uk/accommodation

One of the UK’s leading universities for sport with over 70 student sports clubs
nottingham.ac.uk/sport

* British Universities and Colleges Sports Standings, 2016-17.
This brochure has been drafted in advance of the academic year to which it applies. Every effort has been made to ensure that the information contained in this brochure is accurate at the time of publishing, but changes (for example to course content) are likely to occur given the interval between publication and commencement of the course. It is therefore very important to check our website for any updates before you apply for the course by following nottingham.ac.uk/ugstudy. Where there is a difference between the contents of this brochure and our website, the contents of the website take precedence.