Architecture and Built Environment

Design it

Fulfill it
Create buildings and spaces for the 21st century and beyond

Contents
- Welcome: 3
- Why study with us?: 4
- Our courses: 5
- How will I study?: 14
- How do I apply?: 15
- Careers and employability: 16
- Student experience: 18

Welcome to the Department of Architecture and Built Environment

I am delighted that you are considering one of our courses in the Department of Architecture and Built Environment.

Teaching within the department draws upon a diverse range of expertise that spans from environmental design, technology and engineering, through to urban design, history and theory and landscape.

Design serves as the core activity that draws together material delivered through lectures, and allows students to apply what they have learned. The option to participate in ‘live’ design projects provides students with an opportunity to engage with real clients and communities.

Our position within the Faculty of Engineering offers exciting opportunities to explore design at the interface between architecture and technology, and provides access to state-of-the-art design and fabrication facilities.

Your learning will be enhanced by active engagement with leading architects and engineers who, as tutors or professors, help to ensure our courses are relevant to, and informed by, contemporary practice. We look forward to seeing you soon.

Dr Robin Wilson
Head of Department of Architecture and Built Environment

To find out where a course in architecture and built environment can take you, please visit nottingham.ac.uk/abe
Studying in the Department of Architecture and Built Environment

As a leading centre for research and teaching in architecture, urban design, architectural engineering and sustainable energy technologies, the department is noted for its innovative approaches to creative problem solving informed by fundamental, applied research and collaboration with leading experts from practice and industry.

Facilities
Learning by doing is a key strength of our courses. Architecture students spend time in workshops and design studios working on a wide variety of projects, including working with real clients on our unique live projects in Africa. Students benefit from our extensive facilities including our new Centre for 3D Design, which offers specialised facilities for digital fabrication, laser cutting and 3D printing. Students also have access to the on-site Creative Energy Homes – a group of low-carbon houses built with industry partners, which demonstrate cutting edge design.

Field study trips
Field study trips abroad are seen as an essential component of architectural education, and all our first-year BArch Architecture and MEng Architecture and Environmental Design students spend time on a paid for week-long trip to Europe. Short two and three-day international study trips are also available to third and fourth year students as part of their major studio project. Longer international field trips are open to final year students on the MArch Architecture Part Two programme. Recent destinations have included Berlin, Helsinki and Porto.

Why study with us?

To find out where a course in architecture and built environment can take you, please visit nottingham.ac.uk/abe

Our courses

<table>
<thead>
<tr>
<th>Degree title</th>
<th>UCAS code</th>
<th>Duration</th>
<th>A levels</th>
<th>IB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single honours</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEng Architecture and Environmental Design</td>
<td>K230</td>
<td>4 years</td>
<td>AAA</td>
<td>36</td>
</tr>
<tr>
<td>BArch Bachelor of Architecture</td>
<td>K100</td>
<td>3 years</td>
<td>AAA</td>
<td>36</td>
</tr>
<tr>
<td>BEng Architectural Environment Engineering</td>
<td>K240</td>
<td>3 years</td>
<td>AAB-ABB</td>
<td>34-32</td>
</tr>
<tr>
<td>MArch Architecture</td>
<td>K10I</td>
<td>2 years</td>
<td>ARB/RIBA</td>
<td></td>
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</tbody>
</table>

Required subjects
All courses: GCSE English, maths or physics or double science.

K230: At least one of, A level maths or physics is essential. Preferably students would have also taken chemistry, art or design and technology (a portfolio will be required). For A level subjects containing a practical examination, a pass in this element is also preferred.

K100: We prefer our students to have art or design and technology at A Level (or equivalent) but will consider students without. All students, before being offered a place, will be required to submit a digital portfolio of work.

K240: A level or Higher Level (IB) maths is essential. Other preferred subjects (for an offer of ABB) are physics, chemistry, biology, design and technology, geography, geology, computing or further maths. Otherwise offer is AAB. For A level subjects containing a practical examination, a pass in this element is also preferred.

K101: An ARB/RIBA-accredited Part 1 degree at 2:1 standard. Admission will be subject to the submission of a full portfolio, letters of reference and a personal statement. Applicants may be invited to attend an interview.

English language requirements
IELTS 6.5 (no less than 6.0 in any element) For more information and a list of the alternative English language requirements we accept, please see nottingham.ac.uk/go/alternaterequirements

Developing your academic English and study skills
The Centre for English Language Education (CELE) offers you the opportunity to develop your English language skills at one of the world’s top universities. Accredited by the British Council for the teaching of English, CELE provides high-quality teaching, facilities and support. Our presessional courses take your English language and academic skills to the level you need to progress to undergraduate study without taking IELTS again. Find out more at nottingham.ac.uk/cele

Over one-third of our UK students receive our means-tested core bursary, worth up to £2,000 a year. For details, see nottingham.ac.uk/financialsupport

For more information about our courses please visit nottingham.ac.uk/ugstudy/abe
If you are interested in studying architecture and have a skill and interest in environmental design then this is the course for you. This four-year interdisciplinary course provides an education in architecture with specialisation in the design of environmental systems for buildings. The course offers two routes to professional employment and is accredited by both architecture and engineering professional bodies.*

**Year one**
This year is structured around a core studio module that develops key design skills and techniques. Supporting modules cover fundamental ideas and concepts relating to environmental design, construction, structural design, and architectural theory. You will also be introduced to mathematical tools that support the design of environmentally responsible building systems.

**Year two**
You will study modules that explore the concepts behind the active and passive systems used to provide healthy, comfortable conditions for building occupants. The design studio serves as a forum to explore the application of these ideas and material covered in structures, construction and architectural history.

**Year three**
Studio projects offered in the third year seek to extend your ability to tackle briefs for more complex building types. These are linked to environmental systems modules that provide material to inform this work. Independent research skills are nurtured through completion of a dissertation, which allows you to develop a specialism in a relevant area of your choice.

**Year four**
The final year introduces advanced environmental design techniques that facilitate a holistic approach to design. The year culminates in the completion of a major studio project, where you will be expected to bring all of your skills in response to a brief for the design of a complex building.

**By the end of year four**
You will have developed key design and engineering skills and techniques. Studio projects will have extended your ability to tackle briefs for more complex building types and your independent research skills will have been developed.

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* MEng graduates secure an Architects Registration Board (ARB)/Royal Institute of British Architects (RIBA) Part 1 qualification. MEng students can also attain Chartered Engineer status through Chartered Institute of Building Service Engineers (CIBSE) by gaining relevant experience in practice and completing a Professional Review Interview.

For more detailed course content visit
[nottingham.ac.uk/ugstudy/abe](http://nottingham.ac.uk/ugstudy/abe)
BArch Bachelor of Architecture (ARB/RIBA Part 1)

The three-year BArch course at Nottingham is based on creativity and technical rigour. At its heart is the design studio. In years two and three students get to choose one of 10 studio units to work in that year; each with its own style, way of working and skills.

Year one
In your first year you will be introduced to the main themes of the course: architectural design; structures; construction; environmental design; and the history and theory of architectural design. The programme will concentrate on introducing and developing the key skills, competence and knowledge necessary in the history and theory of architecture.

Year two
Studio projects in year two will have an added complexity. In addition to core modules, you will also be taught critical thinking skills, learn computer aided design programmes and are offered the opportunity to broaden your architectural experiences by visiting construction sites and learning first-hand how other designers work. Students have the opportunity to study abroad in the second semester, where there is the option to study at another English speaking University across the world as part of the Universitas 21 scheme.

Year three
You will develop a thorough understanding of all the key themes and their holistic integration into design projects. Your role within the architectural profession will also be developed as part of the introduction of a further theme in practice and management.

By the end of year three
Graduates secure placements in a range of practice types ranging from the small and local to internationally recognised practices such as Rogers Stirk Harbour + Partners, Foster + Partners, Zaha Hadid Architects and Herzog and de Meuron. The extensive range of transferable skills developed also means that those not wishing to pursue architecture further are effectively prepared for alternative careers. Recent graduates have worked in theatre design, architectural journalism and academia.

On successful completion of the BArch degree, students automatically receive the ARB/RIBA Part 1 professional qualification. You may then continue with your architectural education, and work towards achieving professional architect status in the UK through at least six months of supervised professional experience and then continuing on to MArch Architecture (ARB/RIBA Part 2 - please see course code K10I) and PGCert Professional Practice (ARB/RIBA Part 3). Successful completion of part three grants you professional architect status in the UK. These pathways are all offered by the University of Nottingham.

For more detailed course content visit nottingham.ac.uk/ugstudy/abe

Typical modules

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<thead>
<tr>
<th>Year one</th>
<th>Year two</th>
<th>Year three</th>
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</thead>
<tbody>
<tr>
<td>Core</td>
<td>Core</td>
<td>Core</td>
</tr>
<tr>
<td>Architectural Design Studio 1A</td>
<td>Architectural Design Studio 2A</td>
<td>Architectural Design Studio 3</td>
</tr>
<tr>
<td>Architectural Design Studio 1B</td>
<td>Architectural Design Studio 2B</td>
<td>Architectural Humanities I (Theory and Criticism)</td>
</tr>
<tr>
<td>Architectural Humanities I (History of Architecture)</td>
<td>Environmental Science for Architects 2</td>
<td>Environmental Science for Architects 3</td>
</tr>
<tr>
<td>Environmental Science for Architects 1</td>
<td>Integrated Design in Architecture 2A</td>
<td>Integrated Design in Architecture 3</td>
</tr>
<tr>
<td>Integrated Design in Architecture 1A</td>
<td>Integrated Design in Architecture 2B</td>
<td>Tectonics 1 (Structures and Construction)</td>
</tr>
<tr>
<td>People, Buildings, Landscape</td>
<td>Tectonics 2A (Structures and Construction)</td>
<td>Tectonics 2B (Structures and Construction)</td>
</tr>
<tr>
<td>Tectonics 1 (Structures and Construction)</td>
<td>Tectonics 3</td>
<td>Practice and Management</td>
</tr>
</tbody>
</table>

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

I chose to study architecture at the University of Nottingham because of the great opportunities like study trips abroad and the year two trip to Africa to work on a live project. The tutors here are so inspiring and are all about having fun, developing you as an individual and helping you achieve your full potential. The environment here is beautiful and I knew as soon as I came here that this is where I wanted to come and study.

Harriet Beale, BArch Architecture
BEng Architectural Environment Engineering

Architectural environment engineers create comfortable and efficient indoor environments using modern technologies and sustainable design.

Built on traditional building services engineering foundations, this forward-looking and challenging course addresses the increasing need for highly qualified engineers who can take a holistic approach to designing architectural environments for a low-carbon future.

Year one
In year one you are introduced to the main themes of the BEng course: engineering fundamentals (mathematics, CAD, fluid and thermodynamics, electricity etc) and transferable skills (presentation and communication). The first year provides the principles required to develop an understanding and appreciation of the important connections between science, engineering, environmental design, building services and associated technologies.

Year two
Your knowledge and competencies in environmental design and building services systems are further developed in year two. Individual and group engineering design projects form the main core of the year with specialised subjects such as environmental performance modelling, acoustics, and lighting feeding into the design process.

By the end of year three
On completion of your degree, you will be equipped with multi-disciplinary skills and knowledge much needed by industry. Typical graduate jobs include: Sustainability Consultant; Building Services Engineer; Mechanical and Electrical Design Engineer; Energy Engineer and Building Simulation Engineer.

The built environment in its wider context is considered in the study of renewable energy systems and project management is explored to provide wider transferable skills.

Year three
A final year engineering design module provides the opportunity to deliver a project with a stronger emphasis on building analysis, advanced environmental design and environmental performance modelling. This project is used to develop your skills and ability in utilising appropriate aspects of the material covered in years one, two and three. It also considers in more detail the holistic design of a building, its internal environment and the systems necessary to achieve a sustainable building. The choice of an optional module enables you to develop key engineering, science and management skills. The dissertation research project allows you to consider an area of research from a wide range of topics within the built environment. This project will develop your individual research skills working under the supervision of an academic supervisor.

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

I chose the course because it incorporated aspects of sustainable and renewable energy, which I was interested in, along with building services and building performance. The direct application to industry was also very appealing and has proved invaluable.

George Herrick, third year, BEng Architectural Environment Engineering
MArch Architecture
(ARB/RIBA Part 2)

The Part 2 professional course in architecture provides the grounded architectural education that enables students to develop the core skills and specialist knowledge that are required to function in contemporary architectural practice.

The curriculum has been designed around ‘vertical’ peer-based studios with input from self-directed research in the areas of humanities as well as environment, technology and professional practice. The cumulative result is the preparation of our graduates for a lifelong career as an architect. The course is fully validated by the Architects’ Registration Board (ARB) and the Royal Institute of British Architects (RIBA) and leads to exemption from Part 2 of the three-part qualification programme for professional architects in the UK.

Year one
For the first semester of year one you may choose different study pathways. In addition to remaining on campus, some students are accepted for distance learning while working in practice and a few places are open for international exchange with partner institutions internationally. While the learning outcomes are the same, each option suits diverse needs of prospective students.

During the second semester you will be tasked with a design project against a brief that situates the programme for a complex civic building within the live context of a real infill site. There is an emphasis on the craftsmanship of making and design conceptualisation, and by integrating inputs from the technical and professional practice streams, the process simulates current architectural work stages and practices.

Research is also a significant area of teaching. Over the course of both semesters in the first year, all students undertake a research project. The research topic is initiated out of a student’s own particular architectural interests and each student receives tutelage from research-active staff on methods and critical thinking that will enable you to develop a thorough research paper.

Year two
The first year is intended as preparation for the design thesis that comprises the whole of year two. You will have the responsibility for defining your research focus, the site selection, assessment of relevant contexts and writing the programme as the result of these findings. You will then be tasked with developing a design proposal that demonstrates your thesis through form, space and materiality.

It is also expected that all students will invest time on their representation material, whether that be diagrams, drawings or models that are crafted by using the excellent workshop facilities at their disposal.

By the end of the course
You will have completed two parts of the three-part RIBA qualification programme for professional architects in the UK. MArch Architecture (ARB/RIBA Part 2) graduates will typically enter employment within architectural practice and register on an ARB/RIBA Part 3 programme to complete their architectural education and gain entry to the profession.

Details of the ARB/RIBA Part 3 Professional Practice programme offered by the department may be found on the University’s online postgraduate prospectus.

For more detailed course content visit nottingham.ac.uk/ugstudy/abe

Typical modules

<table>
<thead>
<tr>
<th>Year one</th>
<th>Year two</th>
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</thead>
<tbody>
<tr>
<td>Autumn semester</td>
<td>Core</td>
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<tr>
<td>Either semester in practice:</td>
<td>Diploma Thesis Studio</td>
</tr>
<tr>
<td>■ Building Case Studies</td>
<td></td>
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<tr>
<td>■ Culture and Context in Practice</td>
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<tr>
<td>■ Professional Studies in Practice</td>
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<tr>
<td>■ Record of Architectural Practice</td>
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<tr>
<td>Or university-based study:</td>
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<tr>
<td>■ Architectural Urbanism Studio</td>
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<tr>
<td>■ Design, Culture and Context</td>
<td></td>
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<tr>
<td>■ Environment and Technology 1</td>
<td></td>
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<tr>
<td>■ Professional Studies 1</td>
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<tr>
<td>Or undertake an exchange with a partner institution.</td>
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<tr>
<td>Spring semester</td>
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<tr>
<td>■ Architectural Design Studio</td>
<td></td>
</tr>
<tr>
<td>■ Environment and Technology 2</td>
<td></td>
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<tr>
<td>■ Professional Studies 2</td>
<td></td>
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</tbody>
</table>

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
Engaging study, incredible results

We use a variety of learning methods and work with the latest technologies to create a vibrant study environment.

We use a combination of teaching methods depending on the topic which include:

- lectures
- demonstrations
- practical sessions
- small group projects
- problem-solving classes
- workshops
- tutorials

Personal tutors
All students have a personal tutor. Personal tutors are members of academic staff in the school and they will:

- monitor your academic progress and check on your wellbeing
- provide exam marks and help you reflect on feedback
- act as a first point of contact for any guidance on academic or personal matters

At Nottingham, we still offer small group tutorials of around six students. This ensures you have enough time to build a relationship with your tutor and benefit from their support. Your fellow tutees also provide peer support.

For Nottingham’s KIS data, please see individual course entries at nottingham.ac.uk/ugstudy

How to apply

All applications for an undergraduate place to study at the University of Nottingham, including applications by international students, must be made through UCAS.

Applications should be made online at ucas.com and candidates will be notified of decisions through UCAS using UCAS Track.

MArch Architecture (ARB/ RIBA Part 2)
Applications are made directly to the department at nottingham.ac.uk/ugstudy/abe

Admission will be subject to a submission of a full portfolio, letters of reference and a personal statement.

Access to year one of the MArch is dependent on completing a minimum of 6 months approved practice-based experience.

Alternative qualifications
In this brochure you will find our A level entry requirements but we accept a much broader range of qualifications.

These include:

- Access to HE Diploma
- Advanced Diploma
- BTEC HND/HNC
- BTEC Extended Diploma
- Cambridge Pre-U
- International Baccalaureate
- Irish Leaving Certificate
- Scottish Advanced Highers
- Welsh Baccalaureate Advanced Diploma

Mature applicants
We encourage applications from mature applicants who have a significant gap in education. You should apply in the normal way through UCAS. More information for mature students can be found at nottingham.ac.uk/mature

Flexible admissions policy
We recognise that some educational and personal circumstances affect achievement. If we judge that you have experienced circumstances that have adversely affected your achievement, we will consider them when assessing your academic potential. Some courses may vary the offer as a result. For the most up to date information about our offers, please see the entry requirements section of our course pages on our online prospectus. For more information about this policy, please see nottingham.ac.uk/ugstudy/applying

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.
World class for employability

Strong links with UK and international companies offer our graduates excellent prospects for employment, research training and professional recognition.

Students are given the opportunity to work with practicing architects, engineers and special professors from many prominent practices who provide guest lectures and engage with design studio projects.

Our graduates are employed in most leading UK and international practices and businesses. The department has also introduced an internship with a number of companies in China to enable graduates to work in this exciting environment.

94% of first-degree graduates in the Department of Architecture and Built Environment who were available for employment had secured work or further study within six months of graduation.**

£26,469 was the average starting salary with the highest being £40,000.*

Careers and Employability Service

Our Careers and Employability Service has a team dedicated to Faculty of Engineering students. They will be on hand to offer you specialist support and guidance throughout your degree, and for life after you graduate.

Whether you need help writing a CV, preparing for an interview or exploring career ideas, you can book one-to-one appointments or come along to a workshop. Each term there is also an exciting events schedule which includes the weekly engineering recruitment and internship programme bringing you face-to-face with employers offering real-life insight into their professions. Find out more about the Careers and Employability Service: nottingham.ac.uk/careers

Key employment sectors for our graduates are:
- architecture and town planning
- design and development engineering
- building services and consultancy
- conservation
- interior designers

The Nottingham Advantage Award

The award-winning Nottingham Advantage Award recognises and rewards your extracurricular activities. With a choice of over 200 modules, you can hone the key skills employers want. From developing your leadership skills and learning a language to public speaking and volunteering, you will leave university with demonstrable experience that sets you apart from other graduates. For further information, please visit nottingham.ac.uk/careers/advantage

Find out more about the Careers and Employability Service at nottingham.ac.uk/careers

Find out where Nottingham could take you and network with our graduates on LinkedIn.

* The Graduate Market in 2013-2016, High Fliers Research.
** Known destinations of full-time home first-degree undergraduates 2014/15. Salaries are calculated based on those in full-time paid employment within the UK.
Experience it in a world beyond ordinary

There’s so much for you to get involved in and explore at the University and around the city. Whether you’re interested in sports, learning a language or just having fun with friends alongside studying, you’ll be spoilt for choice.

Your new home from home
At Nottingham we offer a wide range of room types across the campuses in both catered and self-catered accommodation. From standard single rooms with shared bathrooms to large en-suite studios and flats, there’s something to suit every budget and personal choice. For current pricing and to review all accommodation options please visit nottingham.ac.uk/accommodation

Exploring your new city
Nottingham city centre is around a 10-minute bus ride away from University Park Campus, so you’re always close to the action. There are plenty of music venues, from the world-famous Rock City to the Motorpoint Arena or one of the smaller gig venues for a more intimate live show. If you enjoy shopping, there are independent boutiques and vintage shops as well as high street names in our large shopping centres. Nottingham is also a hotspot for dining, with a great choice of cuisines on offer. Find out more: nottingham.ac.uk/nottinghamlife

Getting involved in your Students’ Union
University of Nottingham Students’ Union (UoNSU) is a brilliant, diverse community, and whether you are an undergraduate or postgraduate, first-year or final-year student, you are a part of it. With 300+ student-led groups, clubs and societies, hundreds of volunteering opportunities and support for every stage of your university journey, your Students’ Union offers something for everyone. Find out more: su.nottingham.ac.uk

Your support network
Throughout your university journey there will be numerous people on hand to support and advise you, including tutors and dedicated staff. We have Student Service Centres on all three of our UK campuses, which provide a range of support, information and specialist services. Find out more: nottingham.ac.uk/studentservices

Sport
The University of Nottingham is one of the UK’s leading universities for sport and is currently ranked 4th in the university sport rankings*. We have one of the biggest portfolios of sports facilities in the country including the brand new £40m David Ross Sports Village. We also have a rich heritage of supporting Olympic medallists and we have more than 70 student sports clubs to choose from. Find out more: nottingham.ac.uk/sport

*British Universities and Colleges Sport Standings, 2015-16.

Your opportunity to study abroad
We offer a range of study abroad opportunities with many students having the option to live and study in another country as part of their university career. Studying or working abroad is a fantastic opportunity to broaden your horizons, experience different cultures, and develop the key skills that employers are looking for. Find out more: nottingham.ac.uk/studyabroad

Learning a language
The University’s Language Centre gives you the opportunity to study a language alongside your course. All languages are offered from beginners’ level with some going up to near native competency. There are nine languages to choose from: Modern Standard Arabic, Dutch, French, German, Italian, Japanese, Mandarin Chinese, Russian, and Spanish. Find out more: nottingham.ac.uk/language-centre

Music
All student musicians at the University of Nottingham are encouraged to get involved with the vibrant musical life on campus. Find out more: nottingham.ac.uk/music/performance
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.