The University of Nottingham

UNITED KINGDOM · CHINA · MALAYSIA

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Computer Science
Undergraduate study

www.nottingham.ac.uk/computerscience

The University of Nottingham

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Contents

Front cover image:
Olivia Graham working on her coursework in the school's main terminal room.

Students working in the School of Computer Science Atrium.

Welcome to the School of Computer Science

Welcome to the School of Computer Science at The University of Nottingham. We're pleased that you're considering studying one of the most diverse and relevant subjects of the 21st century, and delighted that you're thinking of applying to study it here.

As you'll discover from reading this brochure, we offer world-class teaching and a stimulating study environment. In the latest Research Assessment Exercise, 100% of our research was classed as of an international standard. This means that your lectures and seminars will be based around the latest developments – something that's absolutely vital in as fast-moving an industry as computer science – and that you will be taught by lecturers who are world-leading researchers in the subjects they teach. Staff and students are currently exploring areas including mobile computing, the fundamental principles of logic and discrete mathematics, and the application of those principles to gaming, scheduling and driving robots.

You'll benefit from up-to-the-minute software, dedicated computer labs and wireless access throughout the school building and the on-campus halls of residence. Not only that, our connections with employers open up exciting possibilities for your year in industry or summer internship, if you choose to take this option.

At the end of your degree, your prospects will be excellent. Our degrees are designed to equip you with an in-depth knowledge of how computers work and how that knowledge can be applied to design and implement the systems of the future. Coupled with an impressive range of valuable transferable skills such as problem solving, project management and independent research, this means that you will be well positioned to apply for positions with companies such as Adobe, Google, IBM and Microsoft.

Choosing where to study is obviously a big decision and we'd encourage you to do as much research as you can. Please read this brochure, check our website for more detailed information and take advantage of our open days, where you will be able to see the facilities for yourself and ask any questions you might have.

We look forward to meeting you.

Professor Uwe Aickelin
Head of the School of Computer Science

Why computer science at Nottingham?

Computer science is intimately concerned with knowing, in detail, how computers and computer systems work. Building on that knowledge helps us understand how we can build computer systems and program them to do what we want them to do. It's also about the way computers store and process information and how humans and computers interact with each other.

Computer scientists need to look at down-to-earth engineering issues such as building tools that help us create large-scale software systems. However, at the other end of the scale, there are profound philosophical issues about what can, or can't, be computed. This leads us to ask profound questions about the fundamental nature of the 'computation' process.

At its core, computer science is about representing, transforming, analysing and distributing information. This information can come from very different sources and mean different things. Face locations can be found in video streams, networks of friends can be learned from social media, and the current prices of stocks can be retrieved from the stock market intranet. A degree in computer science will teach you how to deal with information, no matter what form it comes in.

A computer science degree from The University of Nottingham will leave you well placed to understand how to program today's computers and also how to design and implement the systems of the future, whether they are a traditional computer system, a smartphone, the next internet, or something completely new.

About us

The School of Computer Science employs over 30 members of staff, including 13 professors, and typically accepts 130 undergraduate students per year. We are based on Jubilee Campus, a beautifully designed campus with striking buildings, innovative green technology and plenty of open spaces.

Our courses are constantly reviewed to ensure their content is up-to-date and our students and alumni endorse that one of the most popular and valuable elements is the second-year group project. For more details of this project, please see pages 9-10.

Facilities

We are committed to providing the facilities you'll need to succeed in computer science. Along with access to University-wide facilities, computer science students will have exclusive use of the following:

- three workstation labs with regularly updated hardware within the school, providing a total of 235 PCs running mainly Windows 7 – with 24-hour access
- University-wide wireless access and dedicated Ethernet points in the school
- a pool of Linux workstations and remote access to Linux (SuSE/CentOS) servers
- virtual servers for teaching and projects in a high availability cluster
- MSDN® access for registered students

Scan the code to watch our school video on your smartphone.

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Access to computers

Don't worry about bringing a computer with you – the school's computer facilities are available and there are also 24-hour facilities for computer use in several locations around the University, including on Jubilee Campus. In addition, all University accommodation comes equipped with an internet connection – useful to know if you do decide to bring a computer with you.

Study support

Advice and support will be available to you from the day you arrive at University. In Week One, you will benefit from our course-specific teaching and learning support sessions. You will also be introduced to your personal tutor, who can offer guidance on academic and personal matters at any time during the year, should you need it. At the end of the first semester, you will be able to contribute any feedback on your experience to a discussion group.

Throughout the year, you will be able to seek academic advice from the course director for your degree, and from tutors and module convenors at module registration days, which are held three times a year.

A further source of support is the Undergraduate Learning Community Forum, which deals with all issues affecting campus life (social, residential and catering) as well as academic matters.

We hope you will feel at home at Nottingham. However, should you have any problems, the University has specialist support services. These include Academic and Disability Support, Financial Support, a counselling service and faith advice. For more information, please see **www.nottingham.ac.uk/ssc**

"The advantages are working in a real-life situation, boosting communication skills and gaining experience in the voluntary sector."

Niall O'Dwyer
MSci Computer Science, third year

CompSoc

CompSoc is The University of Nottingham's official Computer Science Society, with a presence in the UK, China and Malaysia Campuses. While the society consists mainly of computer science students, anyone with an interest in the area is encouraged to join. The society's purpose is to supply a social group and environment for computer science and to facilitate student interaction between different stages of study, from undergraduate to postgraduate.

The society meets regularly and runs several large events. Last year, CompSoc arranged the Sciences Ball and many other regular socials, and also supported a careers fair, other careers-related initiatives and guest lectures in the school. The highlight of the year is a trip to CeBit, the world's largest international trade fair held in Hanover, Germany.

IT Community Consultants project

This unique project can offer you a taste of what you could be doing once you graduate. You will be providing technology solutions to help improve a local charity's performance. Commitment is half a day a week from September to March and you'll receive support and mentoring plus a small grant.

Recent projects include:

- Developing a website and social media for the Renewal Trust, a Community Development Trust which supports activities which will improve quality of life in the local area
- Helping HLG, a charity which provides training, information and support services to supported housing organisations, to create an online directory of services
- Helping Playworks, a charity which aims to improve play facilities for children in Nottingham, to develop their membership database so that they could communicate more effectively with their members
- Investigating ways of integrating human resources information such as timesheets, sickness records and annual leave to enable better management of information by the Women's Aid Integrated Services, who support women and children experiencing domestic abuse

For more information about the programme please see **www.nottingham.ac.uk/careers/students** and follow the links to 'Work experience and volunteering', 'Work experience' and 'IT Consultancy project'.

Scholarships

We offer generous, non-competitive scholarships for high-achieving students. For the latest information, please see **www.nottingham.ac.uk/computerscience/feesandfunding**

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Research-led teaching

Equally important for you as a student is the quality of the school's research. Computer science is a subject that changes at such an incredible speed that it is vital that you are taught by people who are driving the subject forward. In the latest national Research Assessment Exercise, we were ranked eighth in the UK for research quality, with 100% of our research deemed to be of an international standard and 80% rated world-class/internationally leading.

Being taught by staff who are carrying out research means your knowledge is up-to-date and relevant, and that you learn from people who are genuinely excited about what they teach. You might find yourself working on world-leading research for your third- or fourth-year project, or they may inspire you to carry out your own research at postgraduate level!

Dr Michel Valstar

Dr Valstar is a researcher in automatic human behaviour understanding. His goal is to create robots and other machines that understand us and interact with us equally well as other humans do. Using computer vision, machine learning and signal processing techniques, he creates a range of systems that can, for example, recognise facial expressions from video, infer your emotion from audio-visual signals, or that can tell whether your smile is genuinely one of amusement or just polite. Part of his work was implemented in the SEMAINE system, which lets a user chat with a Sensitive Artificial Listener. These artificial intelligent beings react to you in a natural way even if they don't understand what you're saying, only how you're behaving. You can watch a selection of videos of interactions with conversational agents on Michel's own website: see **www.nottingham.ac.uk/computerscience** and follow the links to 'People' to use the staff look-up.

Dr Max Wilson

Dr Wilson is a lecturer in human-computer interaction and information seeking in the Mixed Reality Lab. His research focuses on search-user interface design, taking a multidisciplinary perspective from both human-computer interaction (the presentation and interaction) and information science (the information and seeking behaviours).

His doctoral work, which won best article in the *Journal of the American Society for Information Science and Technology* in 2009, focused on evaluating search-user interfaces using models of human information seeking behaviours. Much of his past work has been grounded in supporting exploratory search with the mSpace platform, and within the developing context of web science. He has recently given talks in Spain and America and is due to visit part of the UK, the Netherlands and Japan.

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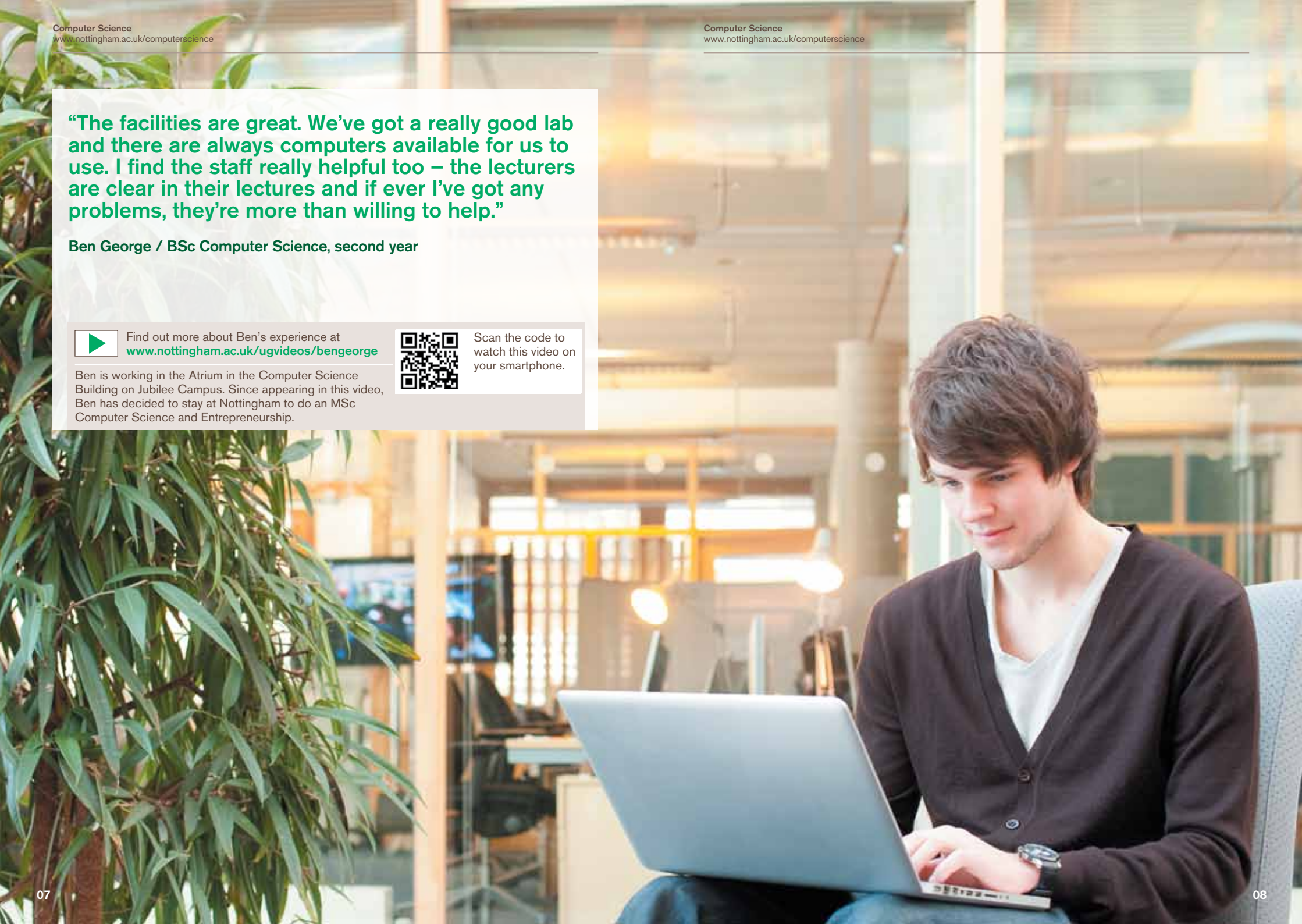
“The facilities are great. We’ve got a really good lab and there are always computers available for us to use. I find the staff really helpful too – the lecturers are clear in their lectures and if ever I’ve got any problems, they’re more than willing to help.”

Ben George / BSc Computer Science, second year

Find out more about Ben’s experience at **www.nottingham.ac.uk/ugvideos/bengeorge**

Ben is working in the Atrium in the Computer Science Building on Jubilee Campus. Since appearing in this video, Ben has decided to stay at Nottingham to do an MSc Computer Science and Entrepreneurship.

Scan the code to watch this video on your smartphone.



Course structures

Our degrees are built around a three-year structure. The first year is considered a qualifying year and is designed to provide the basic foundations of knowledge that are required for the later parts of the course. The second and third years will count towards your final degree classification. Our MSci degrees add a fourth year of advanced study. Every module is worth a set number of credits (typically 10) and you will be expected to complete 120 credits of modules in each year of study.

Each year is divided into two semesters with exams at the end of each semester, so you will be expected to take 60 credits of modules in each semester. Each module will typically have two or three one-hour lectures and many also have associated lab sessions and tutorials to give you the chance to practise what is taught in the lectures.

Students without programming experience

Importantly, you do not need any previous programming experience to take our courses. What we're looking for when you apply is an enthusiasm for the subject and reasons why you think you would do well in computer science.

Professional recognition

Our BSc Computer Science and BSc Computer Science with Artificial Intelligence degrees are accredited by the British Computer Society (BCS), which is the licensing body for the Engineering and Science Councils. This is not only an external recognition of the excellence of our curricula and teaching but also a recognition that the knowledge and skills you learn while studying the degree are of academic excellence and of relevance to industry. Graduates from these degrees qualify for exemption from the BCS Professional Examination; hence their degree counts as partial fulfilment of the requirements for full professional accreditation of Chartered IT Professional, Chartered Engineer and Chartered Scientist.

First year

All our single honours degrees share a common first year, allowing you to easily move between our degrees at the end of the first year should you wish. The first year of our joint honours courses features a subset of the modules used on our single honours course combined with modules from the other discipline. Detailed information on the make-up of the first year can be found on page 13.

Second year

The second year of our degree revolves around a 20-credit software engineering group project in a relevant area that is designed to simulate what it is like to work on a real software project. Prizes are given to the best projects and there is a Group Project Open Day where students are asked to run a trade show-like stall promoting their software.

To give you an idea of the type of work you might do, here are some examples of previous projects:

- 2012 IBM Prize for best overall project: Developing an interactive, multi-user, networked implementation of the popular board game Settlers of Catan
- 2012 School and Alumni Prize for best overall stall: Developing a musical computer game for two players, the duellists, each equipped with a (MIDI) keyboard connected to the computer. The project was inspired by Arthur Smith's famous instrumental composition *Duelling Banjos*.

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- 2011 IBM Prize for best overall project: Developing a software kitchen assistant tool, which must be able to provide recipes that match a supplied list of available ingredients. The project was inspired by the scenario of arriving home after a long day at work, opening the fridge to find... a single egg, one lonely onion and some almost mouldy cheese...
- 2011 School and Alumni prize for best overall stall: The creation of a user interface for viewing and analysis of magnetic resonance (MR) images. The interface would allow the display of 3D MR images, as well as three side views of a 3D image.

There is more advanced study of core computer science (including programming, networks, data structures, logic and concurrency) and further specialist modules depending on the exact degree. In addition you will be able to choose up to 30 credits from a selection of optional modules.

Third year

The third year centres around an individual project (40 credits for single honours students) – you will agree the topic of the project with a member of staff. Students often propose their own projects which allows them great freedom to specialise in areas of particular interest. Recent examples of projects include:

- an iPhone project to help people learn to use DSLR cameras
- the feasibility of creating a real-time corner-alerting system for motorcyclists
- a static and dynamic code analyser for C and C++

Three further specialist modules focusing on compilers, computers in the world, and understanding how a modern operating system works are typically studied. The remaining credits can be made up from any high-level optional modules available within the school with up to 20 credits allowed for modules from other schools.

"The course has been extremely useful in preparing me for industry, especially the second-year group project. I was placed in a group of four students who I'd never met before. Immediately we began working towards our common goal. We all learnt how to manage a real project and work effectively as a team."

Miraj Makin,
BSc Computer Science, third year

Three or four years?

One decision that you will have to make is whether to opt for a three-year Bachelor of Science (BSc) degree or invest the extra time in a four-year Master of Science (MSci) degree. While our three-year degree provides a broad grounding in computer science, the fourth year provides you with further opportunities to study certain areas in more depth and to undertake another 40-credit project (either individually or as a group) that engages with current research in computer science.

Our four-year optional modules currently include:

- Advanced Computer Architecture
- Advanced Computer Communications
- Algorithm Design
- Connected Computing at Scale
- Mathematical Foundations of Programming
- Mobile Device Programming
- Parallel and Distributed Computing
- Ubiquitous Computing

Broadening your degree

On any of our degrees, you can take up to 20 credits of modules in each year from other schools with the approval of your course director.

Our programming languages

Our initial teaching languages in the first year are C and Java. These form the primary languages that are used for coursework across all our degrees. Modules are also available which teach C++, Haskell and PHP as well as other more specialist programming languages. Some of these modules are compulsory for some degrees and all are available as options for all our degrees.

Which course is right for me?

As well as our straight computer science degrees, we also offer two specialist degrees. Our Software Engineering degree uses many of the same modules as used on our Computer Science degree but is tailored to focus on the design and implementation of large software systems. Our Computer Science with Artificial Intelligence degree, which is available as both a BSc and a four-year MSci, combines a general understanding of computer science with specialist knowledge of the domain of artificial intelligence.

Alternatively you may wish to combine computer science with another discipline, such as our joint honours degree in Computer Science and Management Studies. This course offers half computer science modules and half management modules, which are taught by the University's Business School. We also work with the School of Mathematical Sciences to offer the BSc Mathematics and Computer Science. This is an excellent option for anyone thinking of a career in finance.

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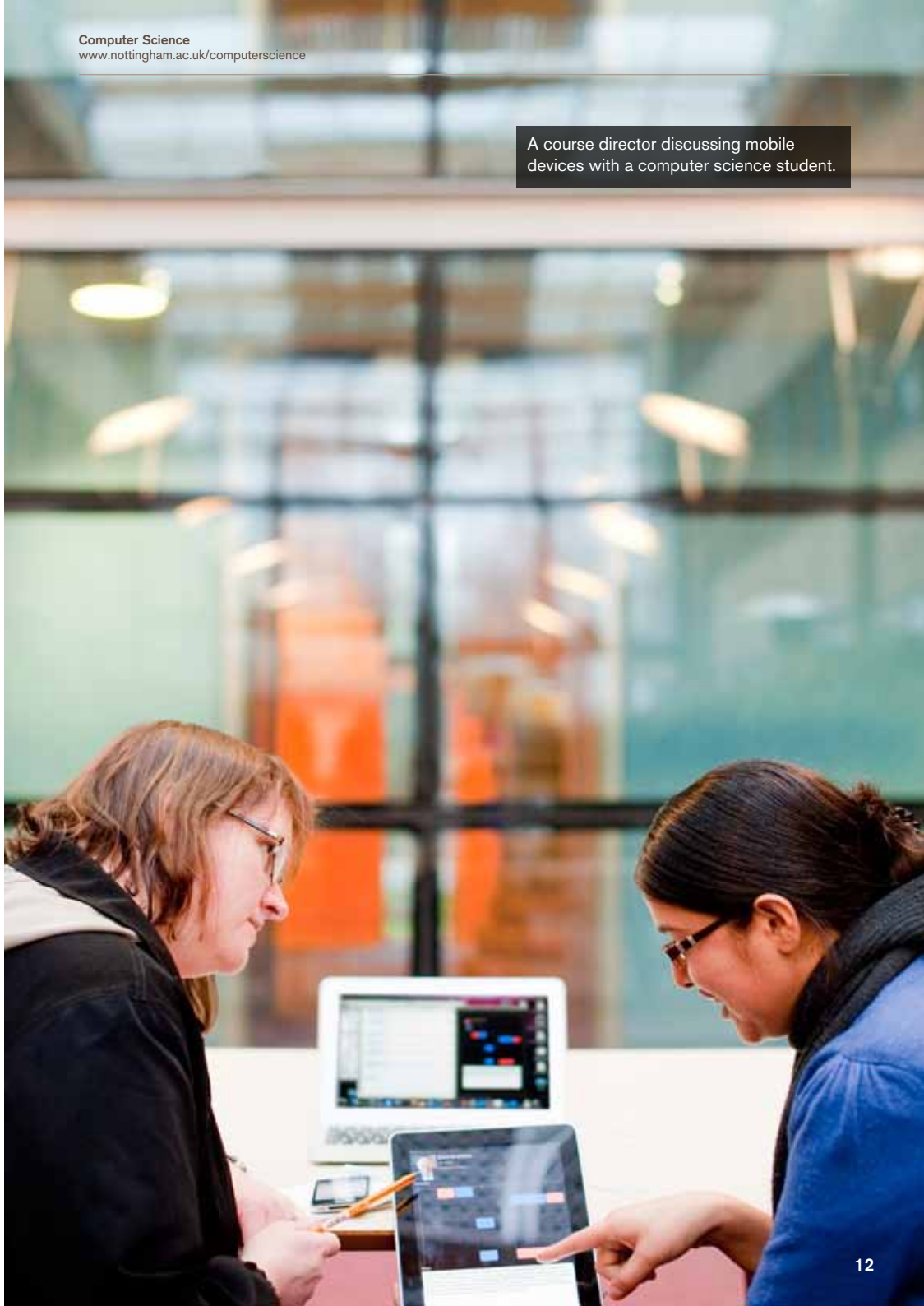


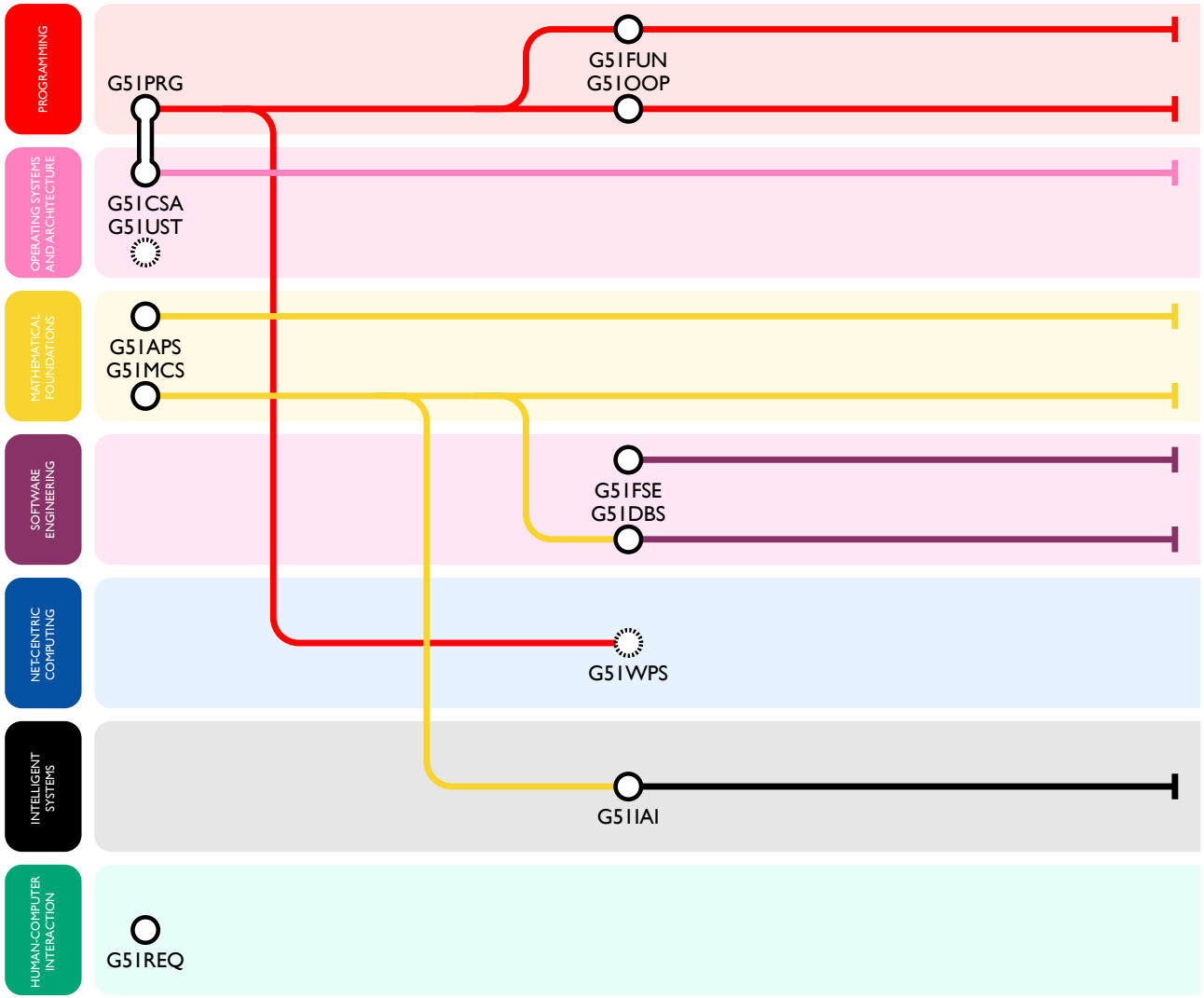
A course director discussing mobile devices with a computer science student.

First-year course structure

This diagram shows the structure of our first-year Computer Science and Software Engineering degrees. It shows how the first-year modules relate to each other and how they fit into the different themes that we group our modules into. Later modules in the same theme build on the ground work laid by these modules.

The first year for joint honours courses is formed from a subset of these modules, combined with modules for the other subject. You can, should you wish, pick up the remaining modules as options in later years before studying the more advanced modules in that theme.

Module code	Module title
Operating Systems and Architecture	
G51UST	Unix and Software Tools
G51CSA	Computer Systems Architecture
Programming	
G51PRG	Introduction to Programming (in C)
G51OOP	Object-Oriented Programming (in Java)
G51FUN	Functional Programming (in Haskell)
Mathematical Foundations	
G51APS	Algorithmic Problem Solving
G51MCS	Mathematics for Computer Scientists
Software Engineering	
G51FSE	Foundations of Software Engineering
G51DBS	Database Systems
Net-Centric Computing	
G51WPS	Web Programming and Scripting
Intelligent Systems	
G51IAI	Introduction to Artificial Intelligence
Human-Computer Interaction	
G51REQ	Requirements Capture



Modules for the Modelling and Optimization and Graphics and Vision themes begin in the second year.

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Computer science degree courses

Single honours degrees

BSc/MSci Computer Science

G400 (3 years)
G404 (4 years)
The Computer Science degree forms the core of our teaching programme. Within the three or four years of this course, you will develop a sound knowledge of the fundamentals of computer science, including appreciations of the interaction between hardware and software; an understanding of human-computer interaction and the sociological impact of information technology; and knowledge of the professional standards and ethics of the computer industry, together with the skills and confidence to react to its ever-increasing rate of change.

This course is designed to produce high-quality graduates who show independent thought, flexibility and maturity and who command a sound technical knowledge of the broad aspects of computer science.

You will gain an appreciation of current computing practice so that the skills learned can be applied immediately after graduation. The course also provides an understanding of the nature of computer science as an academic discipline.

BSc/MSci Computer Science with Artificial Intelligence

G4G7 (3 years)
G4G1 (4 years)
Computer Science with Artificial Intelligence is designed to offer both a general understanding of computer science as well as specialist skills in artificial intelligence. Additionally, optional module choices offer the opportunity to study computer science in the context of robotic systems.

In addition to fundamental computer science classes and laboratories, the course covers topics including expert systems, intelligent agents, the history and philosophy of artificial intelligence, machine learning, computer vision, neural networks, heuristic optimization and other intelligent systems. By following this programme you will learn how to develop new methodologies and novel computational techniques for the creation of systems with human-like intelligence. The degree is supported by world-leading research undertaken within the school.

BSc Software Engineering

G601 (3 years)
The Software Engineering degree is a practically oriented degree which focuses on the design and implementation of large software systems, particularly those with interactive or multimedia components. It is built around four themes: the design and implementation of software systems; the use and development of networked and distributed systems; user interface principles; and evaluation and testing.

You will graduate with: general knowledge and understanding of computers and software systems; specialised knowledge of the design, implementation, user interfaces and evaluation of software systems; experience in using a variety of tools and methodologies in order to solve a variety of problems encountered in the area of software engineering; and an understanding of the professional, legal and ethical aspects of the discipline.

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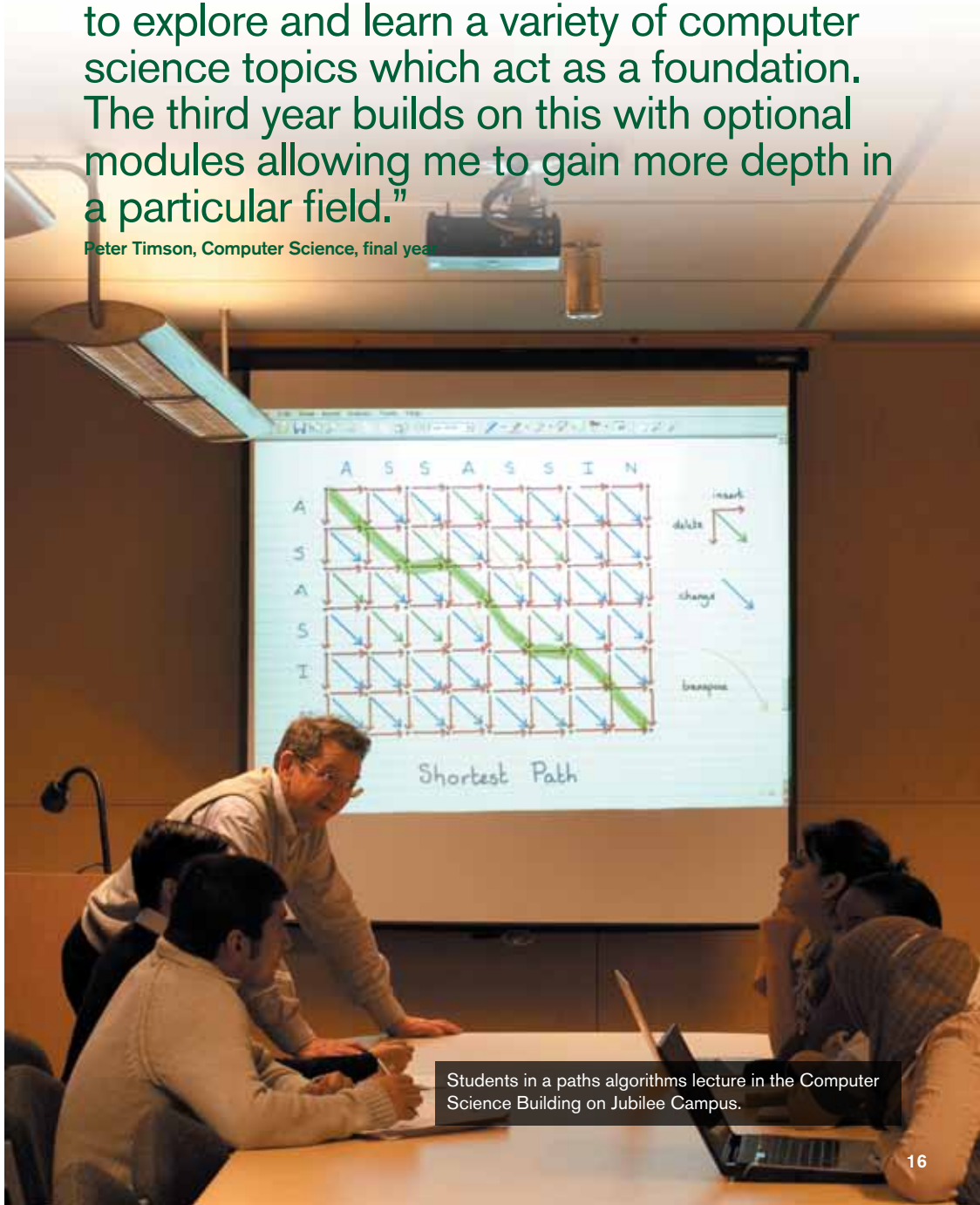
"In my past two years, I have been able to explore and learn a variety of computer science topics which act as a foundation. The third year builds on this with optional modules allowing me to gain more depth in a particular field."

Peter Timson, Computer Science, final year



Students in a paths algorithms lecture in the Computer Science Building on Jubilee Campus.

Joint honours degrees

BSc Computer Science and Management Studies

GN42 (3 years)
This joint honours course is taught by the School of Computer Science and Nottingham University Business School. Its primary objective is to produce high-quality graduates equipped to bridge the gap between leading-edge computer technology and its application in the management of commercial and industrial enterprises. The course develops skills required by computing professionals and managers alike. These include project management skills; the ability to schedule work, plan exercises and take part in and run meetings; teamworking and delegation skills; and the ability to combine the skills of specialists.

This degree is half computer science and half business studies. Its core modules in each year are a subset of the core modules for the respective single honours degrees which, in second year, includes the Software Engineering Group Project. In the final year, you will typically take a scaled-down individual project worth 20 credits, along with other taught modules from both schools.

BSc/MSci Mathematics and Computer Science

GG41 (3 years)
GG14 (4 years)
These joint honours courses provide a broad education in mathematics combined with substantial degree-level studies in computer science. The BSc is a three-year degree and the MSci extends this to a fourth year and a more advanced qualification.

These degrees are half computer science and half mathematics. The core modules in each year are a subset set of the core modules for the respective single honours degrees. The exception is the first year where two-thirds of the modules are taken from mathematics. In the final year, you will typically take a scaled-down individual project worth 20 credits, along with other taught modules from both schools.

You will pursue specialist pathways through the degree: in computer science, these pathways include Formal Methods, Graphics and Image Processing, Optimization and Artificial Intelligence, Networking and Security and in mathematics, Probability, Methods, Analysis and Algebra.

Year three of the MSci degree allows further specialist modules to be taken in mathematics and a 60-credit advanced project in computer science.

Please note: admissions to the BSc and MSci Mathematics and Computer Science are administered by the School of Mathematical Sciences who can be contacted at maths-ug-admissions@nottingham.ac.uk

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"I really enjoy the wide range of ways in which we are taught – we don't just have traditional lectures, we also have tutorials and lab sessions in small groups."

Stuart Manton
Computer Science, second year

A lecturer helping a student in a first-year programming lab.

Year in industry and summer placements

In conjunction with the University's Careers and Employability Service, we can offer support and advice to students who might be considering taking a year out to work in industry or on a summer placement (usually after the second year of their degree). There are a number of benefits to doing this:

- The opportunity to make contacts and possibly secure a job for after graduation
- Valuable experience in a workplace – something which is highly attractive to employers
- A wider perspective and a better understanding of how the knowledge learned relates to real life
- Increased independence and a more mature outlook

Some recent examples of where students went and the areas they worked in include:

- BT – software engineering
- Hewlett Packard – application support
- HSBC – systems analysis, development and testing
- IBM – software engineering and more
- Microsoft – software engineering
- NextJump
- Ocado – programming/analysis/optimization
- Oracle – programming
- Rolls Royce Airlines – Java programming and more
- Thomson Reuters – quality engineering, programming

Here is one students' account of her year in industry:

"The most beneficial and important part of my degree has been my industrial placement. The fact that the school offers industrial placements was a very attractive part of the course for me, and after completing a year of work experience in London working for an ecommerce company, I could not imagine having done anything else. I have had an invaluable opportunity to accelerate my learning and experience working life; I know what awaits me when I graduate, and my ideas about my goals and ambitions in life have really developed. I have had a chance to make use of everything I learned during my first two years, and it has really helped to cement all that knowledge in my head by actually practising it.

I feel incredibly motivated for my return to complete my final year, and I am really looking forward to getting stuck into studying again. This year has been amazing, but working definitely makes you appreciate the perks of university life! I would recommend a year in industry to anyone. It could really help you to decide where you want to be when you finish university and even help you to improve your overall grade."

Olivia Graham
BSc in Computer Science, on an industrial placement year

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Sydney Opera House.

Study abroad

Our links with universities across the globe mean we can offer a variety of study abroad placements. Students can currently apply to study in countries including Australia, Canada, China, Mexico, New Zealand and Spain.

For some study placements, you will need a good understanding of a foreign language but for others, teaching will be in English. As well as enabling you to experience a different culture, studying abroad is an excellent opportunity to learn about different approaches to technology.

"For my final year I studied abroad for one semester at the University of New South Wales in Sydney Australia. For me studying in Australia was a great opportunity to broaden my horizons, meet new people, learn in a new environment and immerse myself in new cultures. The whole experience is one I will never forget; the university was challenging and it really developed both my academic and personal skills."

Ben George
BSc Computer Science (third year)

Careers

As a computer science graduate in Nottingham, you will have a huge variety of possible career paths. Our most recent statistics show that 93% of our graduates were in full-time employment or further study, six months after graduating.* Of those in full-time employment, 90.2% were in graduate-level employment.*

* Destination of Leavers from Higher Education 2009/10 survey of known destinations.

Average starting salaries

The average starting salary for 2009/10 full-time graduates of the School of Computer Science was £24,091.**

** Average starting salary from known destinations of first-degree leavers who studied full-time, 2009/10.

Employment opportunities

In previous years, our graduates have gone on to work for computer companies including:

- Adobe Systems
- Framestore UK
- Google
- IBM
- Microsoft

Others have gone on to find employment with Accenture, the BBC, BT and Ocado, all of whom rely on computer scientists to develop the systems that drive their businesses.

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The range of options and materials offered by our courses means that our graduates have also become computer analysts, IT consultants and planners, network/systems designers and engineers, researchers, software designers and engineers, web designers, and web developers and producers.

Outside of computer science, employers across many different fields value the transferable skills our degrees help you to develop and as a result, you will be well placed to pursue careers in accountancy, advertising, business and financial analysis, investment and merchant banking, management, marketing or the armed forces.

Further study

The School of Computer Science runs MSc degrees in Advanced Computing Science, Human-Computer Interaction, and Computer Science with Entrepreneurship. We also welcome graduates onto PhD courses, where they can benefit from working in an exciting and well-equipped research environment. Yet more of our graduates choose to study related subjects such as machine learning, ecommerce, information security and psychology.

Careers guidance

The University's Careers and Employability Service is available to you from the moment you first apply, and for the rest of your life after that! The service offers excellent support including one-to-one careers appointments, recruitment fairs, employer talks, careers skills workshops, an alumni mentorship programme, vacancies listings and access to a part-time employment service, Unitemps. For more information, see **www.nottingham.ac.uk/careers**

In addition, the school regularly hosts careers related events and guest lectures from its established alumni and industry partners.

The Nottingham Advantage Award

Our advantage award is designed to recognise the skills you gain from extracurricular activities such as being involved with the Students' Union, volunteering or learning a new language. For more information, see **www.nottingham.ac.uk/advantageaward**

Some of our graduates go on to do computer science research.

Why choose The University of Nottingham?

There are a lot of factors to consider when applying to university and some will be more important to you than others. We're proud that thousands of students apply to us every year – below are some of the reasons they give for choosing us.

An inspiring environment...

A commitment to academic excellence drives everything we do and has earned us international recognition. It is evident in our teaching and research and our recent results speak for themselves: in the latest independent review of teaching quality carried out by the Quality Assurance Agency, Nottingham was awarded the highest possible judgement. Our scores in the most recent Research Assessment Exercise rank Nottingham seventh in the UK in terms of 'research power' and in 2010, we were runner-up for the Sunday Times University of the Year award.

...with great career prospects

Our high standards mean that a University of Nottingham degree is respected by both UK and foreign employers and the employment record of our graduates is one of the best in the country. If you want to improve your career prospects further, you can speak to experts in our Careers and Employability Service, gain recognition for your extracurricular achievements through the Nottingham Advantage Award or set up your own business with the help of our EnterpriseLab.

...not-to-be missed opportunities

Outside of lectures, the opportunities at Nottingham are numerous and varied. All our campuses have a strong community spirit and our Students' Union (SU) offers over 250 societies and sports clubs. It's through them that you can pursue an existing interest or take up something new with like-minded people, develop valuable skills and generally make your time at university as rewarding and memorable as possible.

...access to a dynamic city

The city of Nottingham is another rich source of entertainment. Its attractions include bars, boutiques, the Capital FM Arena, shopping centres, an arboretum, pubs, theatres, an ice skating rink, cafes, markets, mainstream and independent cinemas, two professional football clubs, nightclubs and a climbing centre. Finding 'your Nottingham' is an exciting part of student life.

...and options for exploring the world

If you're hoping to broaden your horizons further while at university, we have the connections to help you experience new cultures first-hand. As well as exchange opportunities at our campuses in China and Malaysia we have developed links with more than 320 partner universities in over 40 countries.

We hope this information has given you an insight into life at Nottingham and why so many students choose to study here. The next step is to book onto one of our open days, which take place in June and September. These events are an opportunity to explore our campuses, chat to staff and current students and most importantly, get a feel for whether you will be happy here. For more information about the open days and other opportunities to visit Nottingham, please see **www.nottingham.ac.uk/opendays**

You can download our lively and information city guide from **www.nottingham.ac.uk./ugstudy/downloads**

You can also find information about the city at **www.nottingham.ac.uk/nottinghamlife**

Computer Science
www.nottingham.ac.uk/computerscience

A student testing his iPhone-based final-year project on Jubilee Campus.

Applying for a place

UCAS applications

You should apply to us through UCAS. Most applicants will have studied three or more A levels; we require you to have one A level science subject (computer science or maths preferred) as one of these or a B in GCSE maths.

For entry in 2013, our offer will be AAB at A level, 34 at IB (with 5 in maths at Standard Level), or equivalent. We also accept qualifications such as the European Baccalaureate, Advanced Highers, Irish Leaving Certificate and US Advanced Placement.

We welcome applications from mature candidates who are offering a range of qualifications such as a foundation programme at a UK institution, Access courses and BTEC. All applicants are treated as individuals and are considered equally; decisions are based on merit.

International students

We welcome applications from international candidates and have a lively community of international students both within the school and the University. Qualifications are considered on a case-by-case basis but offers will be broadly equivalent to our typical A level offer.

International and European students whose first language is not English require an IELTS score of 6.5, with no less than 6.0 in any one element, or TOEFL iBT 87, with no less than 21 in listening and writing, 22 in reading and 23 in speaking.

Mature students

We encourage applications from students who will be over 21 at the start of their course. We consider a range of qualifications and work experience. Mature applicants may be invited to attend an interview. For more information about applying as a mature student, please see **www.nottingham.ac.uk/mature**

Support for students with a disability

If you have a disability, we would encourage you to visit the University in advance of making your application to view our facilities. Like all students, your offer will depend entirely on your academic merit. The school also has its own Disability Liaison Officer who will be able to provide advice and assistance once you arrive. Further information about support available during your studies can be found at **www.nottingham.ac.uk/studentservices**

Accommodation

The University of Nottingham offers a guarantee of University accommodation for one year to all new undergraduate students who make Nottingham their firm choice and apply for accommodation by the deadline*. Further information is available in the online prospectus: **www.nottingham.ac.uk/ugstudy** and also at **www.nottingham.ac.uk/accommodation**

* For the deadline date please see **www.nottingham.ac.uk/accommodation**

Fees and finance

In 2013-14, around a third of students at Nottingham are likely to be eligible for a non-repayable University of Nottingham Core Bursary and/or support through the National Scholarship Programme. Some students will also be eligible for support through Nottingham Potential Bursaries. These are in addition to any support you may receive from the government. The University is committed to supporting UK students from lower-income families and those who may find it difficult to access higher education. For the latest information about the financial support arrangements for 2013-14 please visit **www.nottingham.ac.uk/financialsupport**

If you are an international applicant (outside of the EU), please see the 'New international students' section on **www.nottingham.ac.uk/fees**

Computer Science
www.nottingham.ac.uk/computerscience

Visiting and contacting us

Open days

If you're considering applying to The University of Nottingham you should try to attend one of the University-wide open days, which are held in June and September each year. Find out more: **www.nottingham.ac.uk/opendays**

Campus tour days

The University runs tours on some Wednesdays throughout the year. For further information or to book a place on a campus tour day, please contact the Enquiry Centre on +44 (0)115 951 5559 or email undergraduate-enquiries@nottingham.ac.uk

UCAS visit days

Suitably qualified candidates will be invited to a UCAS visit day which will include a talk given by an academic member of staff with an opportunity to ask any questions you may have. There will be opportunities to tour the Computer Science Building, Jubilee Campus and a hall of residence. You will also have the opportunity to meet and talk to current computer science students.

Other visits

There are also informal opportunities to visit our campus. If you want to look around the School of Computer Science, it's important that you visit during the week. Please contact us before you visit so that we can make arrangements to show you around the school.

Contact us

For further information, please contact:
Admissions and Communications Administrator
School of Computer Science
The University of Nottingham
Jubilee Campus
Nottingham
NG8 1BB
t: +44 (0)115 846 6550
e: admissions@cs.nott.ac.uk
w: **www.nottingham.ac.uk/computerscience**

www.facebook.com/UoNComputerScience

@UoNComputerSci

For international student enquiries, please contact:
The International Office
t: +44 (0)115 951 5247
f: +44 (0)115 951 5155
e: international-office@nottingham.ac.uk
w: **www.nottingham.ac.uk/international**

You can also follow us through our social media channels, all of which can be accessed via **www.nottingham.ac.uk/connect**

CONNECT

All information in this brochure was correct at time of print but is subject to change – for the latest information, please see **www.nottingham.ac.uk**

If you require this publication in an alternative format, please contact us:
t: +44 (0)115 951 4591
e: alternativeformats@nottingham.ac.uk

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