

Mechanical, Materials and Manufacturing Engineering

Undergraduate guide
2017



The University of
Nottingham

UNITED KINGDOM · CHINA · MALAYSIA



Imagine...

It's #MeantToBe

www.nottingham.ac.uk/m3

Imagine... making a difference to the quality of people's lives

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Take a look at our engineering video and imagine yourself here:

www.nottingham.ac.uk/ugcourses



Visiting us

Open days

Visiting us in person is the best way to get a feel for student life at Nottingham. You can explore our campuses, facilities and accommodation, speak to staff and current students and find out key information about your course.

Visit www.nottingham.ac.uk/opendays

or call +44 (0)115 951 5559 to book your place.

UCAS visit days

Offer-holders have the opportunity to visit the department and find out more about their chosen course at a UCAS visit day.

Visit www.nottingham.ac.uk/go/visitdays

to view the dates and book your place.

#UoNOpenDay



UoNApplicants



@UoNApplicants

Welcome to the Department of Mechanical, Materials and Manufacturing Engineering

If you're the kind of person who sees something and wants to know just how it works, welcome to the place that will suit you down to the ground.

Here in the department, in addition to getting a sound theoretical grounding you will get hands-on experience in our labs and workshops, conduct investigations, and turn designs into reality. Through your project work, you will integrate the theoretical and practical parts of your engineering/design education in an immensely satisfying way. Join us and you'll be taught by enthusiastic people, in a friendly and supportive environment.

With a degree from The University of Nottingham you will find many doors open for you, presenting opportunities to choose from a wide range of exciting career paths, all over the world.

You will be proud of what you can achieve here at Nottingham.

This brochure will give you an introduction to study paths within the department. If you have any questions not answered here, please get in touch.

We look forward to welcoming you.

Professor Steve Pickering

Head of Department of Mechanical, Materials and Manufacturing Engineering



At Nottingham we produce the highest quality graduates, with skills that are demanded by the employers of today and tomorrow.



Find out more about the Department of Mechanical, Materials and Manufacturing Engineering:

www.nottingham.ac.uk/m3

Studying mechanical, materials and manufacturing engineering

TOP 10

UK university for Mechanical, Materials and Manufacturing Engineering.*

96%

overall student satisfaction in the latest National Student Survey.**

Careers and industry

The most sought-after engineers have solid professional skills, and acquiring these is a big part of the way you'll study with us. We have excellent facilities for teaching and our students comment that design-and-make activities are some of the best parts of their courses. Better still, employers tell us that the combination of academic study and practical, professional skills are precisely what they're looking for.

Our graduates are employed by companies all around the world. Many of them start their careers in an engineering role, but our courses can be a great stepping stone to things beyond your specialism.

Facilities

The faculty and department continues to invest significantly in the facilities we have developed to enhance the student learning experience. Our students benefit from extensive laboratory and workshop facilities including labs for rapid prototyping, solid mechanics, thermodynamics, fluid mechanics, vibration, control and mechatronics. Students also have access to powerful computing facilities and a range of e-learning tools.

Chartered status

Being a Chartered Engineer (CEng) means having an internationally recognised professional award. It tells the world that you've followed approved academic study and had relevant training and industry experience. Our engineering degree courses are regularly reviewed and accredited by the Institution of Mechanical Engineers, The Institution of Engineering and Technology, and the Institution of Engineering Designers. You can study accredited three-year BEng or four-year MEng degrees. The MEng degree can lead to CEng status after approved industrial training and experience. With a BEng degree you'll need to study further; both routes require further industrial experience to attain CEng status.



* QS World University Rankings by subject, 2016.

** Data applies to MEng Mechanical Engineering (H300).

Find out more about the Department of Mechanical, Materials and Manufacturing Engineering:
www.nottingham.ac.uk/m3

Our courses

Degree title	UCAS code	Duration	A levels	IB
BEng Mechanical Engineering	H302	3 years	AAB	34
MEng Mechanical Engineering	H300	4 years	A*AA-AAA	38-36
BEng Mechanical Engineering including an Industrial Year	H30A	4 years	AAB	34
MEng Mechanical Engineering including an Industrial Year	H30C	5 years	A*AA-AAA	38-36
BEng Product Design and Manufacture	H700	3 years	AAB-ABB	34-32
MEng Product Design and Manufacture	H715	4 years	AAA-AAB	36-34
BEng Product Design and Manufacture including an Industrial Year	H71A	4 years	AAB-ABB	34-32
MEng Product Design and Manufacture including an Industrial Year	H71B	5 years	AAA-AAB	36-34
BEng Manufacturing Engineering	H708	3 years	AAB	34
MEng Manufacturing Engineering	H707	4 years	A*AA-AAA	38-36
BEng Manufacturing Engineering including an Industrial Year	H70A	4 years	AAB	34
MEng Manufacturing Engineering including an Industrial Year	H70B	5 years	A*AA-AAA	38-36

English language requirements

IELTS 6.0 (no less than 5.5 in any element). For more information and a list of the alternative English language requirements we accept, please see www.nottingham.ac.uk/go/alternativerequirements

Preparing to study in English

Students who require extra support to meet the English language requirements for their academic course can attend a professional course at the Centre for English Language Education (CELE) to prepare for their future studies. Students who pass at the required level can progress directly to their academic programme without needing to retake IELTS. For more information, please visit: www.nottingham.ac.uk/cele

MEng and BEng degree programmes

All of our courses are offered at both MEng and BEng levels. Transfer between MEng and BEng in each subject is straightforward providing you meet the required threshold. Additionally, all our courses offer an industrial year option, further details on placements can be found on page 14.

For more detailed information on course content visit
www.nottingham.ac.uk/m3

BEng/MEng Mechanical Engineering

The mechanical engineering degree provides a broad foundation in engineering science and engineering design, with our specialist MEng streams providing additional scope for you to focus on an area of particular interest.

Our courses include project work in all years and we are continually enhancing their content and structure to ensure they are up-to-date and equip you well for a successful future career.



Typical modules for BEng/MEng Mechanical Engineering

Year one	Year two	Year three	Year four
<ul style="list-style-type: none"> • Computer Programming with MATLAB • Design and Manufacture 1 • Dynamics of Mechanical Systems • Engineering Mathematics • Introduction to Materials and Materials Forming • Mechanics of Solids 1 • Professional Studies • Thermodynamics and Fluid Mechanics 1 	<ul style="list-style-type: none"> • Computer Programming • Design and Manufacture 2 • Differential Equations and Calculus for Engineers • Dynamics • Thermodynamics and Fluid Mechanics 2 • Management Studies 1 • Materials in Design • Mechanics of Solids 2 and 3 	<ul style="list-style-type: none"> • Management Studies 2 • Computer Modelling Techniques • Individual Project (BEng) • Group Project (MEng) <p><i>Plus optional modules</i></p>	<ul style="list-style-type: none"> • Integrated Systems Analysis • Individual Project • Advanced Technology Review <p><i>Plus optional modules</i></p>

Typical modules for MEng Mechanical Engineering stream

	Year three	Year four
Aerospace	<p>Core modules: Aerospace Manufacturing Technology; Computer Modelling Techniques; Group-Design-and-Make; Introduction to Aerospace Technology; Management Studies 2; Processing of Engineering Alloys</p>	<p>Core modules: Advanced Technology Review; Aerodynamics; Aerospace Materials; Aircraft Propulsion Systems; Integrated Systems Analysis; MEng Individual Project</p>
Automotive	<p>Advanced Dynamics of Machines; Computer Modelling Techniques; Group-Design-and-Make; Introduction to Automotive Technology; Management Studies 2; Processing of Engineering Alloys</p>	<p>Advanced Technology Review; Automotive Materials; Automotive Vehicle Dynamics; Integrated Systems Analysis; Internal Combustion Engines; MEng Individual Project</p>
Bioengineering	<p>Biomechanics; Cell Structure and Function for Engineers; Computer Modelling Techniques; Group-Design-and-Make; Human Structure and Function for Engineers; Management Studies 2</p>	<p>Advanced Technology Review; Biomedical Applications of Biomaterials; Integrated Systems Analysis; MEng Individual Project; Spinal Biomechanics and Instrumentation</p>
Design	<p>Computer Aided Engineering; Electromechanical Systems; Group-Design-and-Make; Management Studies 2; Mechatronics</p>	<p>Advanced Technology Review; Integrated Systems Analysis; MEng Individual Design Project</p>
Materials	<p>Computer Modelling Techniques; Fibre Reinforced Composites Engineering; Group-Design-and-Make; Introduction to Transport Materials; Management Studies 2; Processing of Engineering Alloys</p>	<p>Advanced Materials; Advanced Technology Review; Conservation and Recycling of Materials; Integrated Systems Analysis; MEng Individual Project; Rapid Product Development</p>
Manufacture	<p>Aerospace Manufacturing Technology; Automated Manufacture; Computer Modelling Techniques; Group-Design-and-Make; Management Studies 2; Manufacturing Process Capability</p>	<p>Advanced Technology Review; Flexible Automated Manufacture; Integrated Systems Analysis; Lean Manufacturing; MEng Individual Project; Robotics and Automation Technology</p>



For more detailed course content visit

www.nottingham.ac.uk/ugstudy

Typical modules for MEng Mechanical Engineering stream continued

	Year three	Year four
Management	Core modules: Computer Modelling Techniques; Group-Design-and-Make; Introducing Entrepreneurship; Management Studies 2; Risk Management Processes	Core modules: Advanced Technology Review; Integrated Systems Analysis; MEng Individual Project; Software Engineering Design
Mechatronics	Computer Modelling Techniques; Control and Instrumentation; Group- Design-and-Make; Introduction to Computer Engineering; Management Studies 2; Mechatronics	Advanced Technology Review; Integrated Systems Analysis; Software Engineering Design; MEng Individual Project
Modern languages	Computer Modelling Techniques; Group-Design-and-Make; Language modules in: Arabic, French, German, Italian, Japanese, Mandarin or Spanish; Management Studies 2	Advanced Technology Review; Integrated Systems Analysis; Language modules in: Arabic, French, German, Italian, Japanese, Mandarin or Spanish; MEng Individual Project
Sustainability	Computer Modelling Techniques; Energy Efficiency for Sustainability 2; Group-Design-and-Make; Management Studies 2; Renewable Generation Technologies and Control; Sustainable Manufacturing	Advanced Technology Review; Advanced Thermal Power Systems; Conservation and Recycling of Materials; Integrated Systems Analysis; MEng Individual Project; Sustainable Energy Futures
Unstreamed	Computer Modelling Techniques; Group-Design-and-Make; Management Studies 2	Advanced Technology Review; Integrated Systems Analysis; MEng Individual Project

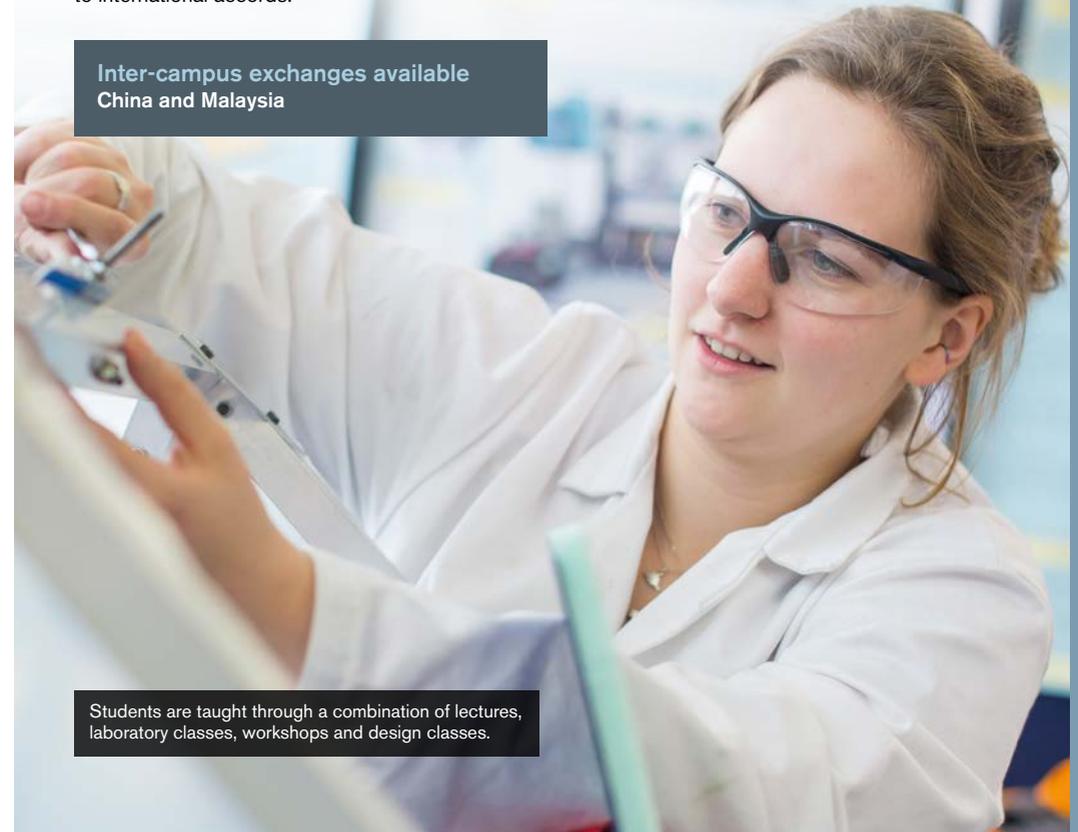
The modules we offer are inspired by the research interests of our staff. As a result modules may change due to research developments, the requirements of the accrediting professional engineering institutions or legislative changes for example. The above list is a sample of typical modules that we offer, not a definitive list.

➤ For more detailed course content visit
www.nottingham.ac.uk/m3

Accreditation

These degrees have been accredited by the Institution of Mechanical Engineers and the Institution of Engineering Designers under licence from the UK regulator, the Engineering Council. Accreditation is a mark of assurance that the degree meets the standards set by the Engineering Council in the UK Standard for Professional Engineering Competence (UK-SPEC). An accredited degree will provide you with some or all of the underpinning knowledge, understanding and skills for eventual registration as an Incorporated (IEng) or Chartered Engineer (CEng). Some employers recruit preferentially from accredited degrees, and an accredited degree is likely to be recognised by other countries that are signatories to international accords.

Inter-campus exchanges available
 China and Malaysia



Students are taught through a combination of lectures, laboratory classes, workshops and design classes.

BEng/MEng Product Design and Manufacture

This course equips you for a career in product design, industrial design or in the product development sector and has been developed to address the specific needs of industry to give its graduates the best possible chance of obtaining the job they want. The degree provides a firm understanding of design and the aesthetic and analytical approaches in developing new products.



Typical modules for BEng Product Design and Manufacture

Year one	Year two	Year three
<ul style="list-style-type: none"> • Creative Techniques in Design • Design and Manufacture 1 • Drawing for Design • Dynamics of Mechanical Systems • Engineering Mathematics • Industrial Design • Introduction to Materials and Materials Forming • Mechanics of Solids 1 • Professional Studies 	<ul style="list-style-type: none"> • Automated Manufacture • Computer Modelling Systems • Design for Manufacture • Design Visualisation Techniques • Ergonomics in Design • Introduction to Marketing • Management Studies • Near Net Shape Manufacture • Production and Inventory Management • Second Year Design Projects • Second Year Group Design Project 	<ul style="list-style-type: none"> • Design Projects • BEng Major Design Project • Manufacturing Process Capability • Physical Ergonomics • Project Design Dissertation <p><i>Plus optional modules</i></p>

Typical modules for MEng Product Design and Manufacture

Year one	Year two	Year three	Year four
<ul style="list-style-type: none"> • Creative Techniques in Design • Design and Manufacture 1 • Drawing for Design • Dynamics of Mechanical Systems • Engineering Mathematics • Industrial Design • Introduction to Materials and Materials Forming • Mechanics of Solids 1 • Professional Studies 	<ul style="list-style-type: none"> • Automated Manufacture • Computer Modelling Systems • Design for Manufacture • Design Visualisation Techniques • Ergonomics in Design • Introduction to Marketing • Management Studies • Near Net Shape Manufacture • Production and Inventory Management • Second Year Design Projects • Second Year Group Design Project 	<ul style="list-style-type: none"> • Investigatory Methods for Innovation in Engineering and Management • Manufacturing Process Capability • Physical Ergonomics • Rapid Product Development • Third Year MEng Product Design Projects <p><i>Plus optional modules</i></p>	<ul style="list-style-type: none"> • Cognitive Ergonomics in Design • Company Review and Project Outline • Fourth Year MEng Product Design Projects • Major Project with Industry • Managing Projects <p><i>Plus optional modules</i></p>

The modules we offer are inspired by the research interests of our staff. As a result modules may change due to research developments or legislative changes, for example. The above list is a sample of typical modules that we offer, not a definitive list.

Accreditation

This degree has been accredited by the Institution of Engineering and Technology and Institution of Engineering Designers under licence from the UK regulator, the Engineering Council. Accreditation is a mark of assurance that the degree meets the standards set by the Engineering Council in the UK Standard for Professional Engineering Competence (UK-SPEC). An accredited degree will provide you with some or all of the underpinning knowledge, understanding and skills for eventual registration as an Incorporated (IEng) or Chartered Engineer (CEng). Some employers recruit preferentially from accredited degrees, and an accredited degree is likely to be recognised by other countries that are signatories to international accords.

BEng/MEng Manufacturing Engineering

Manufacturing engineers continue to be in great demand. This course will provide you with the engineering knowledge and skills needed to improve productivity, reduce costs of manufacture and ensure products and services are delivered to industry when required. A key feature of this accredited course is the flexibility available in module and project options, enabling you to tailor your degree to your specific interests and chosen career.



Typical modules for BEng Manufacturing Engineering

Year one	Year two	Year three
<ul style="list-style-type: none"> • Design and Manufacture 1 • Dynamics of Mechanical Systems • Engineering Mathematics • Industrial Design • Introduction to Materials and Materials Forming • Mechanics of Solids 1 • Professional Studies • Thermofluids 1 	<ul style="list-style-type: none"> • Automated Manufacture • Design and Manufacture 2 • Design for Manufacture • Ergonomics in Design • Introduction to Business Operations • Near Net Shape Manufacture • Probabilistic/Statistical Techniques for Engineers • Production and Inventory Management 	<ul style="list-style-type: none"> • Flexible Automated Manufacture • Investigatory Methods in Engineering • Logistics and Supply Chain Management • Management of Quality • Sustainable Manufacturing <p><i>Plus optional modules</i></p>

Typical modules for MEng Manufacturing Engineering

Year one	Year two	Year three	Year four
<ul style="list-style-type: none"> • Design and Manufacture 1 • Dynamics of Mechanical Systems • Engineering Mathematics • Industrial Design • Introduction to Materials and Materials Forming • Mechanics of Solids 1 • Professional Studies • Thermofluids 1 	<ul style="list-style-type: none"> • Automated Manufacture • Design and Manufacture 2 • Design for Manufacture • Ergonomics in Design • Introduction to Business Operations • Near Net Shape Manufacture • Probabilistic/Statistical Techniques for Engineers • Production and Inventory Management <p><i>Plus optional modules</i></p>	<ul style="list-style-type: none"> • Flexible Automated Manufacture • Investigatory Methods in Engineering • Logistics and Supply Chain Management • Management of Quality • Sustainable Manufacturing <p><i>Plus optional modules</i></p>	<ul style="list-style-type: none"> • Integrated Operations Planning and Control • Professional Development Project • Rapid Product Development <p><i>Plus optional modules</i></p>

The modules we offer are inspired by the research interests of our staff. As a result modules may change due to research developments or legislative changes, for example. The above list is a sample of typical modules that we offer, not a definitive list.

Accreditation

This degree has been accredited by the Institution of Engineering and Technology under licence from the UK regulator, the Engineering Council. Accreditation is a mark of assurance that the degree meets the standards set by the Engineering Council in the UK Standard for Professional Engineering Competence (UK-SPEC). An accredited degree will provide you with some or all of the underpinning knowledge, understanding and skills for eventual registration as an Incorporated (IEng) or Chartered Engineer (CEng). Some employers recruit preferentially from accredited degrees, and an accredited degree is likely to be recognised by other countries that are signatories to international accords.

Degrees with a year in industry

A year in industry is a fantastic opportunity for students to practise and develop their engineering skills, thus providing valuable professional experience which is a key step on the road to Chartered Engineer status.

Benefits

A year in industry will give a significant boost to both employment and academic prospects. Research previously conducted by High Fliers Research, showed that more than a third of graduate jobs are being filled by candidates who already have work experience with that employer. Getting a year in industry placement is therefore a great way into the job market after graduation.



Features

Year in industry placements are usually undertaken in the UK, but can be anywhere in the world in companies from major global organisations to smaller consultancies and technology specialists. During a year in industry placement, students are classed as employees of the host company, and receive a salary. There is a nominal fee for the placement year and students remain fully registered with the University during this time.

Support

Our dedicated Industrial Placement Team works closely with the Careers and Employability Service to support you in finding the right placement and companies visit the University to recruit students for industrial placements.

The benefits of a year in industry are well recognised, and as such our degrees with an industrial year are very popular. Likewise, securing a year in industry placement is a highly competitive process, and students are responsible for submitting their own applications, which may include attendance at interviews and assessment centres. We therefore expect students to commit additional time over and above their academic studies to this process.

“ I actually had two placements, one was in Peru and one was in the UK. In Peru I worked for a company called WindAid who designs, builds and installs wind turbines for undeveloped communities in Peru.

In the UK, I worked for the design firm, de Gournay. I was able to work on my own project which was designing lamps. The lamps were actually manufactured and are now sold. It's great to see my products in-store and benefiting the company. I'd 100% recommend an industrial placement to students. It has changed the way I do my university projects; it's given me contacts for the future and I have even been offered a job after graduation with my second placement employer. ”



Candice De Aguiar, BEng Product Design and Manufacture, WindAid and de Gournay



Our dedicated Industrial Placement Team support you in finding the right placement.



Find out more from our placement students at

www.nottingham.ac.uk/engineering/placements

How will I study?

Engineers are among the busiest students on campus. On average, you will have around 20-22 contact hours a week in years one and two. Combined with coursework and self-study, you will probably be spending over 40 hours a week on your studies. At Nottingham we use a variety of teaching methods, each appropriate to the learning objectives and the material being taught. Don't think this will leave you with no time to socialise – we find our engineering students are very good at getting involved in clubs and societies, taking part in all sorts of sporting and other activities.

For most modules, the primary method of building your knowledge will be through lectures. Some modules will involve laboratory classes where you work in small groups, and in seminars academics and postgraduate tutors are available for one-to-one support. Our personal tutor system will ensure that you always have close contact with an academic staff member.

Product design students will spend an increasingly large amount of time in the product design studio as the course progresses, while our engineering students will spend around 30 hours in the engineering workshop in the first year, fully supported by our professional technicians. Health and safety are of primary importance to us and you are issued with your own personal protective equipment (PPE) comprising safety footwear, eye protection and labcoat.

Assessment

All undergraduate degree programmes in the University are modular, which means you undertake modules of study with assessment at the end of each semester. Your learning will be assessed in different ways according to the learning objectives. Most modules will be assessed using a mixture of coursework and exams with the proportion varying depending on the module. For example, Engineering Maths is 10% coursework and 90% exam whereas Design and Manufacture is 60% coursework and only 40% exam. Some modules such as projects don't have any exams, in which case you might be asked to give an assessed presentation.

Key Information Sets

Key Information Sets (KIS) are comparable sets of information about full or part-time undergraduate courses and are designed to meet the information needs of prospective students. All KIS data is published on the Unistats website: www.unistats.co.uk

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



A typical timetable for first-year mechanical engineering students

	9-10am	10-11am	11am-12pm	12-1pm	1-2pm	2-3.30pm	3.30-5pm
Monday	Lecture: Introduction to Materials and Materials Forming		Lecture: Thermodynamics and Fluid Mechanics	Seminar: Thermodynamics and Fluid Mechanics		Lab class, computing or workshop (not every week)	
Tuesday	Lecture: Mechanics of Solids	Seminar: Mechanics of Solids	Lecture: Engineering Maths	Seminar: Engineering Maths		Lab class or workshop (not every week)	
Wednesday			Personal Tutorial	Lecture: Mechanics of Solids	Wednesday afternoons always free for sports and other activities		
Thursday	Lecture: Thermodynamics and Fluid Mechanics	Design Office: Design and Manufacture		Lecture: Design and Manufacture		Lab class, computing or workshop (not every week)	
Friday	Lecture: Engineering Maths	Lecture: Dynamics of Mechanical Systems	Seminar: Dynamics of Mechanical Systems			Lab class or workshop (not every week)	

How do I apply?

All applications for an undergraduate place to study at The University of Nottingham, including applications by international students, must be made through the Universities and Colleges Admissions Service (UCAS). Applications should be made online at www.ucas.com and candidates will be notified of decisions through UCAS using 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.

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

This list is not exhaustive; we will consider applicants with other qualifications on an individual basis. Please contact us to discuss the suitability of your qualification.

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 www.nottingham.ac.uk/ugstudy/applying

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 www.nottingham.ac.uk/mature

International applicants

The University's International Office offers guidance and advice on applying through UCAS. If you would like to visit the University and are unable to attend an open day, the International Office will be happy to arrange a tailor-made visit for you. For further information please visit www.nottingham.ac.uk/international

Required subjects

All courses: Applicants taking A level biology, chemistry and/or physics are required to pass the practical element of assessment. A level general studies and critical thinking are not accepted as part of grade offer.

Mechanical Engineering and Manufacturing Engineering courses: Maths is essential. A level grade A or IB Higher Level 6 or IB 7. Physics strongly preferred. A level A/B or IB Higher Level 5 or Standard Level 6 (not essential but it is recommended to contact us if you do not study physics).

Product Design and manufacture courses: Grade B maths or IB Higher Level 5 or Standard Level 6 essential. Art or design and technology desirable.

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.

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



Students get hands-on experience in our workshops and labs, conducting investigations and experiments and turning designs into reality.



Find out how to apply:

www.nottingham.ac.uk/ugstudy/applying

Imagine... landing your dream career

The University of Nottingham is consistently named as one of the most targeted universities by Britain's leading graduate employers.*

Manufacturing engineering

88%

of first-degree graduates in manufacturing engineering who were available for employment had secured work or further study within six months of graduation.**

£24,778

The average starting salary is £24,778 with the highest being £32,000.**

£40,000

Chartered engineers can expect a salary starting from £40,000, and the range of typical salaries at senior level with 10-15 years' experience is £40,000-£60,000.***

Our dedicated careers team are on hand to offer you specialist support and guidance throughout your degree and beyond.

Mechanical engineering

89%

of first-degree graduates in mechanical engineering who were available for employment had secured work or further study within six months of graduation.**

£27,314

The average starting salary for graduates is £27,314 with the highest being £45,000.**

Product design and manufacture

£25,000 - £45,000

The range of salaries for product designers with several years' experience. Those with 10-15 years' experience can earn up to £60,000.***

Employment and salary data for product design and manufacture is not available due to a small sample size.



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

Our engineering degrees combine engineering science, design, business and maths, fully equipping you for a huge range of professional careers. Our courses have a strong focus on preparation for professional practice and modules are designed to fulfil the requirements of the engineering institutions, with projects often having direct industrial relevance. Our degrees are balanced and well-rounded and the majority of our graduates who do not continue in further education progress to professional careers in a wide range of engineering industries or in non-engineering sectors such as business, finance or consultancy.

Careers and Employability Service

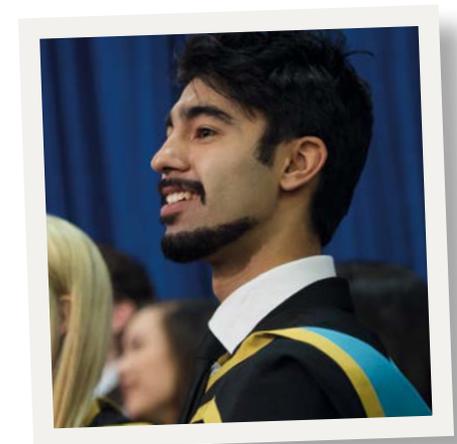
Our Careers and Employability Service has a team dedicated to Faculty of Engineering students. They will be on hand to offer you specialist support and guidance throughout your degree and for life after you graduate.

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, bringing you face-to-face with employers offering real-life insight into their professions. For further information, please visit www.nottingham.ac.uk/careers

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 www.nottingham.ac.uk/careers/advantage

 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 and EU first-degree graduates, 2013/14.

*** www.prospects.ac.uk (April 2016).

Imagine... a world beyond your studies

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.

Getting involved in your Students' Union

As soon as you start with us, you are automatically enrolled as a member of our Students' Union. There are hundreds of activities to provide you with the perfect opportunity to take up a new hobby or pursue existing interests. Choose from over 300 student-run societies including MechSoc, the society for mechanical engineers and design engineers. Find out more: www.su.nottingham.ac.uk



Sports

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 therefore whether you are an elite athlete or simply looking to enjoy sport as a hobby, we can cater for your needs. Find out more: www.nottingham.ac.uk/sport



Exploring your new city

Nottingham city centre is just a 10-minute bus ride away from University Park Campus, so you're always close to the action. For music lovers, you can take your pick from the world-famous Rock City, 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 mix of chain and independent cafes, restaurants and delis on offer. Find out more: www.nottingham.ac.uk/nottinghamlife



Your opportunity to study abroad

We offer a range of study abroad opportunities with the majority of students having the option to live and study in another country as part of their university career, either at a partner institution or undertaking an overseas work placement. 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: www.nottingham.ac.uk/studywithus/studyabroad



Learn 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. The inter-faculty languages programme offers credited modules, which are free for students if taken as part of your credit allocation (check with your course tutor before you enrol). There are also evening classes that are open to everyone (fee-paying). Find out more: www.nottingham.ac.uk/languagecentre

Music

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

Your new home from home

At Nottingham we offer a wide range of room types on and off campus, in both catered and self-catered accommodation. From standard single rooms with shared bathrooms to large en-suite studios, whatever your budget and preferences, there should be a room to suit you. For a breakdown of pricing and to find out more: www.nottingham.ac.uk/accommodation

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: www.nottingham.ac.uk/studentsservices

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

Find out more about Nottingham life: www.nottingham.ac.uk/nottinghamlife



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