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

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

Take a look at our engineering video and imagine yourself here: www.nottingham.ac.uk/ugcourses

Visit our engineering video and imagine yourself here:

www.nottingham.ac.uk/ugcourses

Welcome

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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.

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.

#UoNOpenDay UoNApplicants @UoNApplicants
Studying mechanical, materials and manufacturing engineering

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.

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>BEng Mechanical Engineering</td>
<td>H302</td>
<td>3 years</td>
<td>AAB</td>
<td>34</td>
</tr>
<tr>
<td>MEng Mechanical Engineering</td>
<td>H300</td>
<td>4 years</td>
<td>A*AA-AAA</td>
<td>38-36</td>
</tr>
<tr>
<td>BEng Mechanical Engineering including an Industrial Year</td>
<td>H30A</td>
<td>4 years</td>
<td>AAB</td>
<td>34</td>
</tr>
<tr>
<td>MEng Mechanical Engineering including an Industrial Year</td>
<td>H30C</td>
<td>5 years</td>
<td>A*AA-AAA</td>
<td>38-36</td>
</tr>
<tr>
<td>BEng Product Design and Manufacture</td>
<td>H700</td>
<td>3 years</td>
<td>AAB-ABB</td>
<td>34-32</td>
</tr>
<tr>
<td>MEng Product Design and Manufacture</td>
<td>H715</td>
<td>4 years</td>
<td>AAA-AAB</td>
<td>36-34</td>
</tr>
<tr>
<td>BEng Product Design and Manufacture including an Industrial Year</td>
<td>H71A</td>
<td>4 years</td>
<td>AAB-ABB</td>
<td>34-32</td>
</tr>
<tr>
<td>MEng Product Design and Manufacture including an Industrial Year</td>
<td>H71B</td>
<td>5 years</td>
<td>AAA-AAB</td>
<td>36-34</td>
</tr>
<tr>
<td>BEng Manufacturing Engineering</td>
<td>H708</td>
<td>3 years</td>
<td>AAB</td>
<td>34</td>
</tr>
<tr>
<td>MEng Manufacturing Engineering</td>
<td>H707</td>
<td>4 years</td>
<td>A*AA-AAA</td>
<td>38-36</td>
</tr>
<tr>
<td>BEng Manufacturing Engineering including an Industrial Year</td>
<td>H70A</td>
<td>4 years</td>
<td>AAB</td>
<td>34</td>
</tr>
<tr>
<td>MEng Manufacturing Engineering including an Industrial Year</td>
<td>H70B</td>
<td>5 years</td>
<td>A*AA-AAA</td>
<td>38-36</td>
</tr>
</tbody>
</table>

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](http://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](http://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.

* QS World University Rankings by subject, 2016.
** Data applies to MEng Mechanical Engineering (H300).
**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.

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### Typical modules for BEng/MEng Mechanical Engineering

<table>
<thead>
<tr>
<th>Typical modules for BEng/MEng Mechanical Engineering</th>
<th>Year one</th>
<th>Year two</th>
<th>Year three</th>
<th>Year four</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Computer Programming with MATLAB</td>
<td>• Computer Programming</td>
<td>• Computer Programming</td>
<td>• Management Studies 2</td>
<td>• Integrated Systems Analysis</td>
</tr>
<tr>
<td>• Design and Manufacture 1</td>
<td>• Design and Manufacture 2</td>
<td>• Computer Modelling Techniques</td>
<td>• Computer Modelling Techniques</td>
<td>• Individual Project</td>
</tr>
<tr>
<td>• Differential Equations and Calculus for Engineers</td>
<td>• Dynamics</td>
<td>• Individual Project (BEng)</td>
<td>• Advanced Technology Review</td>
<td>• Advanced Technology Review</td>
</tr>
<tr>
<td>• Thermodynamics and Fluid Mechanics 2</td>
<td>• Mechanics of Solids 1</td>
<td>• Group Project (MEng) (Plus optional modules)</td>
<td>• Group Project (MEng) (Plus optional modules)</td>
<td>• Group Project (MEng) (Plus optional modules)</td>
</tr>
<tr>
<td>• Management Studies 1</td>
<td>• Mechanics of Solids 2 and 3</td>
<td>• Management Studies 2</td>
<td>• Integrated Systems Analysis</td>
<td>• Individual Project</td>
</tr>
<tr>
<td>• Advanced Technology Review</td>
<td>• Advanced Technology Review</td>
<td>• Individual Project</td>
<td>• Advanced Technology Review</td>
<td>• Advanced Technology Review</td>
</tr>
<tr>
<td>• Biomechanics; Cell Structure and Function for Engineers</td>
<td>• Biomedical Applications of Biomaterials</td>
<td>• Advanced Technology Review</td>
<td>• Advanced Technology Review</td>
<td>• Advanced Technology Review</td>
</tr>
<tr>
<td>• Computer Modelling Techniques</td>
<td>• Advanced Technology Review</td>
<td>• Advanced Technology Review</td>
<td>• Advanced Technology Review</td>
<td>• Advanced Technology Review</td>
</tr>
<tr>
<td>• Group-Design-and-Make</td>
<td>• Advanced Technology Review</td>
<td>• Advanced Technology Review</td>
<td>• Advanced Technology Review</td>
<td>• Advanced Technology Review</td>
</tr>
<tr>
<td>• Management Studies 1</td>
<td>• Management Studies 2</td>
<td>• Management Studies 2</td>
<td>• Management Studies 2</td>
<td>• Management Studies 2</td>
</tr>
<tr>
<td>• Materials in Design</td>
<td>• Materials in Design</td>
<td>• Materials in Design</td>
<td>• Materials in Design</td>
<td>• Materials in Design</td>
</tr>
<tr>
<td>• Mechanics of Solids 1</td>
<td>• Mechanics of Solids 2 and 3</td>
<td>• Mechanics of Solids 2 and 3</td>
<td>• Mechanics of Solids 2 and 3</td>
<td>• Mechanics of Solids 2 and 3</td>
</tr>
<tr>
<td>• Management Studies 2</td>
<td>• Management Studies 2</td>
<td>• Management Studies 2</td>
<td>• Management Studies 2</td>
<td>• Management Studies 2</td>
</tr>
</tbody>
</table>

For more detailed course content visit [www.nottingham.ac.uk/ugstudy](http://www.nottingham.ac.uk/ugstudy)
## Typical modules for MEng Mechanical Engineering stream continued

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

The modules we offer are inspired by the research interests of our staff. As a result modules may chance 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.

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---

**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.

For more detailed course content visit [www.nottingham.ac.uk/m3](http://www.nottingham.ac.uk/m3)
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 MEng Product Design and Manufacture

<table>
<thead>
<tr>
<th>Year one</th>
<th>Year two</th>
<th>Year three</th>
<th>Year four</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Creative Techniques in Design</td>
<td>• Automated Manufacture</td>
<td>• Investigatory Methods for Innovation in</td>
<td>• Cognitive Ergonomics in Design</td>
</tr>
<tr>
<td>• Design and Manufacture 1</td>
<td>• Computer Modelling Systems</td>
<td>Engineering and Management</td>
<td>• Company Review and Project Outline</td>
</tr>
<tr>
<td>• Drawing for Design</td>
<td>• Design for Manufacture</td>
<td>• Manufacturing Process Capability</td>
<td>• Fourth Year MEng Product Design Projects</td>
</tr>
<tr>
<td>• Dynamics of Mechanical Systems</td>
<td>• Design Visualisation Techniques</td>
<td>• Physical Ergonomics</td>
<td>• Major Project with Industry</td>
</tr>
<tr>
<td>• Engineering Mathematics</td>
<td>• Ergonomics in Design</td>
<td>• Rapid Product Development</td>
<td>• Managing Projects</td>
</tr>
<tr>
<td>• Industrial Design</td>
<td>• Introduction to Marketing</td>
<td>• Third Year MEng Product Design Projects</td>
<td></td>
</tr>
<tr>
<td>• Introduction to Materials and Materials Forming</td>
<td>• Management Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Mechanics of Solids 1</td>
<td>• Near Net Shape Manufacture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Professional Studies</td>
<td>• Production and Inventory Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Second Year Design Projects</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Second Year Group Design Project</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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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

<table>
<thead>
<tr>
<th>Year one</th>
<th>Year two</th>
<th>Year three</th>
<th>Year four</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Design and Manufacture 1</td>
<td>• Automated Manufacture</td>
<td>• Flexible Automated Manufacture</td>
<td>• Integrated Operations Planning and Control</td>
</tr>
<tr>
<td>• Dynamics of Mechanical Systems</td>
<td>• Design and Manufacture 2</td>
<td>• Investigatory Methods in Engineering</td>
<td>• Professional Development Project</td>
</tr>
<tr>
<td>• Engineering Mathematics</td>
<td>• Design for Manufacture</td>
<td>• Logistics and Supply Chain Management</td>
<td>• Rapid Product Development</td>
</tr>
<tr>
<td>• Industrial Design</td>
<td>• Ergonomics in Design</td>
<td>• Management of Quality</td>
<td>Plus optional modules</td>
</tr>
<tr>
<td>• Introduction to Materials and</td>
<td>• Introduction to Business Operations</td>
<td>• Sustainable Manufacturing</td>
<td></td>
</tr>
<tr>
<td>Materials Forming</td>
<td>• Near Net Shape Manufacture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Mechanics of Solids 1</td>
<td>• Probabilistic/Statistical Techniques</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Professional Studies</td>
<td>for Engineers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Thermofluids 1</td>
<td>• Production and Inventory Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Plus optional modules</td>
</tr>
</tbody>
</table>

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

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

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

Find out more about teaching in the department: www.nottingham.ac.uk/m3
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.
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.*

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.

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

** The Graduate Market in 2013-2016, High Fliers Research.
** Known destinations of full-time home and EU first-degree graduates, 2013/14.

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### 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-£80,000***.

### 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.

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

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* The Graduate Market in 2013-2016, High Fliers Research.
** Known destinations of full-time home and EU first-degree graduates, 2013/14.
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

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 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/studentservices

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

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

Find out more about Nottingham life:
www.nottingham.ac.uk/nottinghamlife
You could engineer the future

Be all that you can imagine. And more.

It’s #MeantToBe