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 of Mechanical, Materials and Manufacturing Engineering, 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 integrate the theoretical and practical parts of your engineering/design education in an immensely satisfying way.

Join us and you’ll get excellent teaching from really enthusiastic people, in a friendly and supportive environment with access to cutting-edge facilities.

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’ll be rightly proud of what you can achieve here at Nottingham.

This brochure will give you an introduction to study paths within the department and you can find more information about the department and our courses at www.nottingham.ac.uk/m3

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
Why study mechanical, materials and manufacturing engineering at Nottingham?

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. Our computer rooms and design studios have networked PCs to support Computer Aided Design (CAD) and Computer Aided Engineering (CAE) using industry-standard software (Creo and 3D-Studio Max). You will get hands-on experience in our workshops and labs, conducting investigations and experiments and turning designs into reality. 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.

Careers
We have strong links with industrial partners including Airbus, Rolls-Royce, Ford, BP and Shell among many others. Engineers and designers make essential contributions to diverse sectors such as aeroengines, cars, trains, medical equipment, computer components, electronics and sports equipment. Our graduates are regularly employed by companies around the world. We encourage students to take an industrial placement year either before commencing their degree or during their course. Students typically obtain placements through the dedicated faculty Industrial Placement Team or the Year in Industry organisation (www.yini.org.uk).

Many of our graduates start their careers in a technical role, but our courses can be a great stepping stone to things beyond your specialism. Our approach means you have the skills to progress into all kinds of areas. In fact, The University of Nottingham is one of the most popular universities among recruiters nationally. Many of our graduates go straight into highly paid consultancy or financial services positions.

Equally, you may decide to progress onto postgraduate study and either pursue an MSc or focus on research and study for a PhD. (See page 22 for more information on careers and page 30 for more information on postgraduate study opportunities).

Developing your potential
At Nottingham we are keen to see each individual succeed to the best of their capability. We provide a stimulating learning environment that both challenges and supports you throughout your course and our personal tutorial system ensures you always have close contact with an academic staff member.

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.

High-quality research
The Research Excellence Framework (REF) is the new system for assessing the quality of research in UK higher education institutions.

According to REF 2014, in the Faculty of Engineering, more than 98% of research is of international quality, with 85% graded as ‘world-leading’ or ‘internationally excellent’. 
### Degree courses

<table>
<thead>
<tr>
<th>Degree title</th>
<th>UCAS code</th>
<th>Duration</th>
<th>A levels</th>
<th>IB</th>
<th>Places</th>
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<tr>
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<td>H302</td>
<td>3 years</td>
<td>AAB</td>
<td>34</td>
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<td>MEng Mechanical Engineering</td>
<td>H300</td>
<td>4 years</td>
<td>AAA</td>
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<tr>
<td>MEng Mechanical Engineering with Industrial Placement Year</td>
<td>H30B</td>
<td>5 years</td>
<td>AAA</td>
<td>36</td>
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<tr>
<td>BEng Product Design and Manufacture</td>
<td>H700</td>
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<td>AAB</td>
<td>34</td>
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<tr>
<td>MEng Product Design and Manufacture</td>
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<td>H708</td>
<td>3 years</td>
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<tr>
<td>MEng Manufacturing Engineering</td>
<td>H707</td>
<td>4 years</td>
<td>AAA</td>
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</tr>
</tbody>
</table>

### 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 also 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.

In return, we offer a tailored programme of support to all our year in industry students so that they can prepare the strongest possible placement applications. Students on degrees with an industrial year attend dedicated workshops where they will identify their areas of interest and learn how to showcase their skills and experience. We hold CV-writing and mock interview sessions, with input from practising engineers and recruiters, to help students prepare for this next vital step on the career ladder. We also arrange for companies from a range of industry sectors to visit campus and give presentations on the variety of placement opportunities available.

The support continues while on placement. Students are allocated an industrial tutor who will visit them in the workplace at least once and is always available should issues arise. Industrial tutors keep students up to date with departmental information, so that they do not miss out while on placement. They also guide placement students on how to document their skills and experience in line with the requirements of the relevant professional institution, so that the placement year can propel students towards Chartered Engineer status.

In addition, we encourage our year in industry students at all stages of their degree to participate in mentoring and peer networking activities, which help to manage the transition from campus to workplace and back again.

**MEng and BEng degree programmes**

Our courses are offered at both MEng and BEng levels. The MEng degree has four taught-years and the programme that fully satisfies the educational requirements to become a chartered mechanical, manufacturing or product design engineer. The BEng degree has three taught-years and students following this route will need to complete some further study if they wish to become chartered engineers. For some students, especially those from overseas, the preferred route is to do our BEng and then stay to complete one of our MSc degrees. Please see page 37 for subject specific requirements.
Typical timetable for first-year mechanical engineering students.

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

BEng/MEng Mechanical Engineering

Mechanical engineers apply their scientific knowledge to solve problems and create designs, methods, machines and products that fulfil a wide range of needs and functions. They work in design, development, research, consultancy, manufacture or marketing, combining technical and managerial expertise.

The core degree provides a broad foundation, while our specialist MEng streams provide additional scope for you to focus on an area of particular interest. Design is a key integrating element of the course. Real-world engineering, the importance of communication and team-working skills, the need to display entrepreneurship and initiative, and the relevance of appropriate management and business principles are emphasised. Engineering science and engineering design are core disciplines while other important areas are mathematics, manufacturing technology, IT, electronics and control.

Project work

In year three, MEng students do a major group project. Teams of students work as a multidisciplinary unit to design, manufacture and develop a prototype product. Starting with the design brief, which is often linked to an industry need, the group will devise and evaluate alternative design concepts, undertake the detailed engineering analysis and mechanical design, manufacture a prototype, evaluate its performance, undertake development work to improve it, and assess the financial viability and marketability of the product.

All students do an individual project in their final year. This is of an experimental, computational or analytical nature and provides a link between academic and professional work. You will be able to choose your individual project topic – most of which are based on real industry-relevant problems or challenges.

Specialist MEng streams

Alongside the broad mechanical engineering degree, study years three and four also offer specific streams for students wishing to focus on a specialist area of interest. You still take the core mechanical engineering modules, but you will also study 30-40 credits in your chosen specialism in each year. Your final year individual project will also be in the field of your specialist subject.

Industrial year

You may choose to include an industrial placement year in your degree course, available on both BEng and MEng courses, in which case the course is one year longer and one of your years (often the penultimate year) will be spent working in industry, enhancing your professionalism and employability. During this time, you will be classed as an employee of a company, but will remain fully registered with the University, with opportunities to discuss your progress with your tutor. The study years of the course are identical in content as those on the equivalent course without industrial placement year. Students are able to access help and advice on finding a placement from the Faculty Industrial Placement Team.

Accreditation

This degree has 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
MEng Mechanical Engineering (H300/H30B)

<table>
<thead>
<tr>
<th>Streams</th>
<th>Core modules:</th>
<th>Year three (BEng)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace</td>
<td>Aerospace Manufacturing Technology; Management Studies 2; Group-Design-and-Make; Computer Modelling Techniques; Processing of Engineering Alloys</td>
<td>Advanced Technology Review; Management Studies 2; Group-Design-and-Make; Computer Modelling Techniques</td>
</tr>
<tr>
<td>Automotive</td>
<td>Advanced Dynamics of Machines; Management Studies 2; Group-Design-and-Make; Computer Modelling Techniques; Processing of Engineering Alloys</td>
<td>Advanced Technology Review; Integrated Systems Analysis; MEng Individual Project</td>
</tr>
<tr>
<td>Bioengineering</td>
<td>Biomechanics; Human Structure and Function for Engineers; Management Studies 2; Group-Design-and-Make; Computer Modelling Techniques</td>
<td>Advanced Technology Review; Integrated Systems Analysis; MEng Individual Project</td>
</tr>
<tr>
<td>Design</td>
<td>Mechatronics; Management Studies 2; Group-Design-and-Make; Computer Aided Engineering; Electromechanical Systems</td>
<td>Advanced Technology Review; Integrated Systems Analysis; MEng Individual Project</td>
</tr>
<tr>
<td>Materials</td>
<td>Fibre Reinforced Composites Engineering; Introduction to Transport Materials; Management Studies 2; Group-Design-and-Make; Computer Modelling Techniques</td>
<td>Conservation and Recycling of Materials; Advanced Technology Review; MEng Individual Project</td>
</tr>
</tbody>
</table>

BEng/MEng Mechanical Engineering (H302/H300/H30B)

<table>
<thead>
<tr>
<th>Year one</th>
<th>Year two</th>
<th>Year three</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core modules:</td>
<td>Core modules:</td>
<td>Core modules:</td>
</tr>
<tr>
<td>• Engineering Maths 1 and 2</td>
<td>• Differential Equations and Calculus for Engineers</td>
<td>• Management Studies 2</td>
</tr>
</tbody>
</table>
BEng/MEng Product Design and Manufacture

Product design is an exciting profession. There is something very rewarding about seeing a product that you have designed in a store or even better, being used by someone. As a product designer you are concerned with the needs of the end user, but you are also responsible for many other issues.

Design can make people’s lives better and make businesses more successful. So it is important that a designer is fully prepared for a future career in such a responsible profession.

This course equips you for a career in product design, industrial design or in the product development sector. The course has been developed to address the specific needs of industry to give its graduates the best possible chance of obtaining the job they want.

A graduate’s ability to come up with creative solutions to design problems is of paramount importance to employers, but it is also essential that their proposed designs can be manufactured within the constraints of time, money and quality.

That is why these courses place great emphasis on the manufacturing aspects of design. There is no point designing a product that cannot be made or is too expensive to manufacture. The course values creativity while emphasising an understanding of manufacturing, ergonomics and materials.

The degree provides a firm understanding of design and the aesthetic and analytical approaches in developing new products.

Project work

Project work is an important aspect throughout the course. From year two onwards you will always have a product design project on the go. Most projects are individual, although there are some projects undertaken by groups. The final semester of both BEng and MEng degrees is the major project. This is your opportunity to demonstrate all the skills and knowledge learnt during the course. Throughout the course, projects and coursework enable students to build an impressive portfolio of work to show potential employers.

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.

Industrial year

You may choose to include an industrial placement year in your degree course (available on both MEng and BEng courses), in which case the course is one year longer and one of your years (often the penultimate year) will be spent working in industry, enhancing your professionalism and employability. During this time, you will be classed as an employee of a company, but will remain fully registered with the University, with opportunities to discuss your progress with your tutor. The study years of the course are identical in content as those on the equivalent course without industrial placement year. Students are able to access help and advice on finding a placement from the Faculty Industrial Placement Team.

BEng Product Design and Manufacture (H700)

<table>
<thead>
<tr>
<th>Year one</th>
<th>Year two</th>
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</thead>
<tbody>
<tr>
<td>Core modules:</td>
<td>Core modules:</td>
<td>Core modules:</td>
</tr>
<tr>
<td>• Engineering Maths 1 and 2</td>
<td>• Near Net Shape Manufacture</td>
<td>• Physical Ergonomics</td>
</tr>
<tr>
<td>• Industrial Design</td>
<td>• Automated Manufacture</td>
<td>• Investigatory Methods for Innovation in Engineering and Management</td>
</tr>
<tr>
<td>• Design and Manufacture 1</td>
<td>• Design for Manufacture</td>
<td>• Rapid Product Development</td>
</tr>
<tr>
<td>• Introduction to Materials and Materials Forming</td>
<td>• Production and Inventory Management</td>
<td>• Third Year MEng Product Design Projects</td>
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<tr>
<td>• Mechanics of Solids 1</td>
<td>• Introduction to Marketing</td>
<td>• Manufacturing Process Capability</td>
</tr>
<tr>
<td>• Professional Studies</td>
<td>• Computer Modelling Systems</td>
<td>• Plus optional modules</td>
</tr>
<tr>
<td>• Creative Techniques in Design</td>
<td>• Design Visualisation Techniques</td>
<td><strong>Core modules:</strong></td>
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<tr>
<td>• Dynamics of Mechanical Systems</td>
<td>• Design Projects</td>
<td>• Cognitive Ergonomics in Design</td>
</tr>
<tr>
<td>• Drawing for Design</td>
<td>• Group Design Project</td>
<td>• Company Review and Project Outline</td>
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MEng Product Design and Manufacture (H715)

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<th>Year four</th>
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<td>Core modules:</td>
<td>Core modules:</td>
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<td>• Near Net Shape Manufacture</td>
<td>• Physical Ergonomics</td>
<td><strong>Core modules:</strong></td>
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<tr>
<td>• Engineering Mathematics 2</td>
<td>• Automated Manufacture</td>
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<tr>
<td>• Industrial Design</td>
<td>• Design for Manufacture</td>
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</tr>
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<td>• Design and Manufacture 1</td>
<td>• Production and Inventory Management</td>
<td>• Third Year MEng Product Design Projects</td>
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<tr>
<td>• Introduction to Materials and Materials Forming</td>
<td>• Introduction to Marketing</td>
<td>• Manufacturing Process Capability</td>
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<td>• Mechanics of Solids 1</td>
<td>• Computer Modelling Systems</td>
<td>• Plus optional modules</td>
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<td>• Professional Studies</td>
<td>• Design Visualisation Techniques</td>
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<td>• Creative Techniques in Design</td>
<td>• Design Projects</td>
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<td>• Dynamics of Mechanical Systems</td>
<td>• Group Design Project</td>
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</tr>
<tr>
<td>• Drawing for Design</td>
<td>• Ergonomics in Design</td>
<td>• Major Project with Industry</td>
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<td>• Ergonomics in Design</td>
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<td>• Fourth Year MEng Product Design Projects</td>
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<td></td>
<td></td>
<td>• Managing Projects</td>
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<td></td>
<td></td>
<td>• Plus optional modules</td>
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</table>
**BEng/MEng Manufacturing Engineering**

Manufacturing engineers are in great demand in the UK and abroad, and recent government initiatives and recruitment drives from industry are aimed towards emphasising the key role that manufacturing plays in the global environment. In high-value sectors such as automotive, aerospace, pharmaceutical, food, and fast moving consumer goods, employment of our graduates continues to be very strong. Graduates are also highly attractive to companies in the financial and management consultancy sectors. This is because our degrees teach manufacturing engineering skills in a business and management context with a strong emphasis on the needs of industry.

The essence of the degree programme is that manufacturing is about producing high-quality products, with parts supplied in a competitive global market, at the lowest cost and in the shortest time. From the first year of the degree, you are taught both practical and theoretical engineering and management principles; you are taught applications needed to develop and manufacture efficiently.

**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.

**Industrial year**

You may choose to include an industrial placement year in your degree course (available on both MEng and BEng courses), in which case the course is one year longer and one of your years (often the penultimate year) will be spent working in industry, enhancing your professionalism and employability. During this time, you will be classed as an employee of a company, but will remain fully registered with the University, with opportunities to discuss your progress with your tutor. The study years of the course are identical in content as those on the equivalent course without industrial placement year. Students are able to access help and advice on finding a placement from the Faculty Industrial Placement Team.

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**BEng Manufacturing Engineering (H708)**

<table>
<thead>
<tr>
<th>Year one</th>
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<tbody>
<tr>
<td><strong>Core modules:</strong></td>
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<td><strong>Core modules:</strong></td>
</tr>
<tr>
<td>• Engineering Maths 1 and 2</td>
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<td>• Flexible Automated Manufacture</td>
</tr>
<tr>
<td>• Industrial Design</td>
<td>• Automated Manufacture</td>
<td>• BEng Individual Project</td>
</tr>
<tr>
<td>• Design and Manufacture 1</td>
<td>• Measurement and Control</td>
<td>• Logistics and Supply Chain Management</td>
</tr>
<tr>
<td>• Introduction to Materials and Materials Forming</td>
<td>• Manufacturing Project</td>
<td>• Management of Quality</td>
</tr>
<tr>
<td>• Mechanics of Solids 1</td>
<td>• Probabilistic and Statistical Techniques for Engineers</td>
<td>• Sustainable Manufacturing</td>
</tr>
<tr>
<td>• Professional Studies</td>
<td>• Design for Manufacture</td>
<td>• Plus optional modules</td>
</tr>
<tr>
<td>• Thermodynamics and Fluid Mechanics 1</td>
<td>• Production and Inventory Management</td>
<td></td>
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<tr>
<td>• Dynamics of Mechanical Systems</td>
<td>• Ergonomics in Design</td>
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**MEng Manufacturing Engineering (H707)**

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<td>• Manufacturing Project</td>
<td>• Management of Quality</td>
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<tr>
<td>• Mechanics of Solids 1</td>
<td>• Probabilistic and Statistical Techniques for Engineers</td>
<td>• Plant Location and Design</td>
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<tr>
<td>• Professional Studies</td>
<td>• Design for Manufacture</td>
<td>• Plus optional modules</td>
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<tr>
<td>• Thermodynamics and Fluid Mechanics 1</td>
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<td></td>
<td></td>
<td></td>
<td>• Management Studies 1</td>
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</tbody>
</table>
How will I study?

Engineers are among the busiest students on campus. You will have a full timetable with, on average, 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. Don’t think this will leave you with no time to socialise though—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.

At Nottingham we use a variety of teaching methods, each appropriate to the learning objectives and the material being taught.

Lectures

For most modules the primary method of building your knowledge will be through lectures. These take place in lecture theatres and the lecturer will normally provide you with a set of notes. All lecture notes and slides will be available to you electronically via Moodle, our online learning system. You will be able to download the notes and slides in advance or after the lecture to reinforce your learning.

Seminars/example classes

In some subjects, primarily maths and engineering science, there are numerical examples that help you to understand the material better through working through calculations and questions at your own rate. In seminars, academics and postgraduate tutors are available for one-to-one support. You will work through the examples at home in private study, and timetabled classes allow you to check and improve your understanding where you may have been unable to complete certain questions.

Laboratory classes

Some modules have laboratory classes where you work in groups of three or four to take some data from an experiment. The experiments are designed to reinforce material being taught in lectures. There will always be at least one academic and several postgraduate tutors supporting each laboratory class. After the class, you do the data analysis and write up the experiment in an individual lab report that is submitted for marking. Often electronic submission and marking is used. For lab classes you are provided with safety footwear and a laboratory coat.

Workshop classes

All our engineering students spend 30 hours in the engineering workshop in the first year, learning how to use the machines (lathe, milling machine, drill) and tools to a basic level of competence. This is important as you have design-and-make projects throughout your degree course. Each class is 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. Once you have met the workshop class requirements you are able to use the workshop whenever there is a technician in attendance.

Engineering Design Office

For our engineering degree courses, design is an important element, and you spend a reasonable amount of time in design-related activity. In design office classes you work either individually or in small groups of around six to progress your design projects. In the first and second years you will undertake a design-and-make project, where having completed the design you spend time in the workshop to manufacture your design, followed by a period of testing and evaluation.

Product Design Studio

Product designers spend an increasingly large amount of time in the product design studio as the course progresses. The studio is used for design development, critique sessions and work presentation; it is a space where creativity flourishes and is visible everywhere.

CAD and drawing

Engineering drawing is a primary means of communication for engineers and you start at the beginning, learning the rudiments of engineering drawing with pencil and paper. However, you quickly progress to the computer, learning to use an industry-standard package, Creo. At the beginning you learn the basics through a series of small assignments, learning at your own speed supported by online videos and other materials, as well as by academics and postgraduate tutors. Once you have the necessary skills set, your learning is reinforced and expanded throughout the course, as you use Creo in all your design work.

Project work

There is project work throughout the degree courses and in the third and fourth years you will do some substantive projects. For example, on our MEng Mechanical Engineering course there is a group design-and-make project where you will generate a product prototype starting from an outline specification of requirements. These projects are run in a very professional manner with design review gates and finishing with a show open to industry.

Graduates often comment that they found their group design-and-make project among the most satisfying and enjoyable part of the course. The pride you get from seeing something built and working that you designed and manufactured is immense.

All our courses have significant project content including close links with industry. An additional benefit is that such projects add to your CV and improve your employability.

Tutorials

It is very important to us that you are encouraged and supported to achieve the best you are capable of and to help you with this, we have a personal tutorial system that runs throughout your course. In the first and second years you are allocated an academic as your personal tutor and you meet weekly/fortnightly, often in small groups but also individually if you wish. In the third and fourth years your project supervisor will also be your tutor. There is always someone available on a one-to-one basis to support and encourage you.

Individual study

No university course would be complete without an element of individual study. You will need to spend time on coursework but you will also need to set aside time to go through lecture materials and work through the examples to reinforce and support your learning.

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
How will I be assessed?

All undergraduate degree programmes in the University are modular, which means you undertake modules of study with assessment at the end of each semester.

Assessment methods
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 some cases you might be asked to give an assessed presentation.

An important part of learning comes through constructive feedback and you will receive written feedback on all your coursework.

As well as written exams we use e-learning approaches with quizzes, tests and e-assessments to help you learn.

The teaching year
The teaching year is divided into two semesters. The first semester lasts for 14 weeks, with 12 weeks for teaching and revision and two weeks for assessment. The second semester follows the same pattern, but there are an additional two weeks at the end to complete the assessment process and to enable returning students to discuss their results with tutors and begin to plan the next session’s work.

Although the teaching year is divided into two semesters for organisational purposes, this is fitted into the traditional pattern of three terms: one before Christmas; one between Christmas and Easter; and one after Easter.

Your final degree classification
The highest degree classification you can get is first class (typically for overall marks higher than 70%). Second-class is split into upper-second-class (2:1, typically for marks between 60% and 70%) and lower (2:2, typically marks between 50% and 60%). A third-class degree is awarded for marks between 40% and 50%.

On a BEng your final degree classification is awarded based on your graduating mark, and this is made up of 30% of your second study-year mark and 70% of your final-year mark.

On an MEng your graduating mark is made up of 20% from your second study-year, 40% from your third study-year, and 40% from your final year.
Study abroad

The University of Nottingham is a truly international university with campuses in China and Malaysia. The Faculty of Engineering seeks to emulate this philosophy by offering our students the opportunity to participate in exchange programmes all over the world. The faculty is constantly working to ensure our graduates gain an advantage when they go into the job market; we see study abroad as another way to make our graduates stand out from the crowd.

Studying abroad provides students with the unique opportunity to:
• see your academic subject from a different perspective in a new academic environment
• acquire invaluable life skills
• meet a wide variety of people and make an international network of friends
• discover new strengths and abilities, conquer new challenges and solve new problems
• gain global awareness to prepare yourself for a career abroad

The faculty participates in the following exchange schemes:
• Universitas 21 (U21)/University-wide exchange
• Inter-campus exchange to China and/or Malaysia
• Erasmus exchange

These cover institutions from America, Australia, Canada, New Zealand, Singapore and Sweden. Teaching is in English; your choice of exchange partner will depend on your department and the course you are registered on. Eligibility for exchange schemes will also depend upon meeting academic criteria. Erasmus is for study abroad in Europe and teaching is in the language of the host institution. You must meet language as well as academic criteria for this scheme.

Inter-campus exchange
Teaching at both University of Nottingham Malaysia and China campuses is in English and the courses followed are essentially identical to those in Nottingham. You can go to China and/or Malaysia in your second or third year. For those courses where inter-campus exchange is available, it is indicated on the course page in this brochure.

Malaysia
The University of Nottingham Malaysia Campus (UNMC) opened in September 2000 to become the first branch campus of a British university in Malaysia, and one of the first in the world. A friendly atmosphere, world-class teaching and extensive facilities make it a popular choice for Malaysian and international students, as well as exchange students from Nottingham; with more than 5,000 students from over 70 countries.

The Malaysia Campus is situated near the town of Semenyih, a 45-minute drive from the capital Kuala Lumpur. Occupying a scenic position overlooking green hills on a 101-acre site, and designed to mirror the attributes of University Park Campus in the UK, the campus is a self-contained and self-sufficient neighbourhood village in a garden environment.

China
In 2004, Nottingham was the first foreign university to establish a campus in China. The University of Nottingham Ningbo China (UNNC) offers the same high standard of teaching as the UK campuses and has internationalisation at its heart: of more than 6,000 students there are more than 300 international students from at least 55 countries.

The China Campus is situated in Ningbo, a city of over five million people situated on the east coast of China. Ningbo is less than two hours by train from Shanghai and the campus at Ningbo provides accommodation, sports facilities and a shopping street.

Dedicated support
If you do decide to apply to study abroad, the University’s International Office will offer support from the application stage right through to your return to the UK, with advice on everything from immigration to possible sources of financial support. Find out more: www.nottingham.ac.uk/studyabroad
Career and employment prospects

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 engineering careers and providing a sound basis for other career choices too.

All our engineering degrees (both BEng and MEng) are accredited by one or more engineering institutions, thus supporting professional development. Through your studies you acquire not only an understanding of engineering principles but also a range of transferable skills ensuring Nottingham graduates are:

• able to solve problems using both logic and creative/innovative approaches
• numerate and highly computer literate, with excellent analytical skills
• able to plan and prioritise, work to deadlines and deliver even under pressure
• capable of careful attention to detail, exercising good judgement and accepting responsibility
• able to communicate with others and work in multidisciplinary teams.

Our courses have a strong focus on preparation for professional practice: modules are designed to fulfil the requirements of the engineering institutions and projects often have direct industrial relevance. We encourage and support industrial experience. Students also acquire an understanding of the commercial dimension of engineering, as well as its ethical and environmental implications. 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.

Mechanical engineering
As one of the most diverse engineering disciplines, mechanical engineering deals primarily with the design, development, installation, operation and maintenance of anything that has moving parts. Because of its wide subject area, graduates find mechanical engineering opportunities in a range of sectors, including: aerospace; automotive; energy; railways; sport; medicine and manufacturing.

Salaries
In 2014, 89.7% of first-degree graduates in mechanical engineering who were available for employment had secured work or further study within six months of graduation. The average starting salary was £27,314 with the highest being £45,000**.

Mid-level salaries for lead/principle engineers with several years experience is £35,000-£50,000, and the range of typical salaries at senior level is £45,000-£60,000 plus***.

Product design and manufacture
This is our second largest course and graduates find employment in a wide range of fields. The course is particularly focussed on the aesthetic design and manufacture aspects of product development. As well as being involved in the research, design and manufacture of the product, our graduates are also involved in commercial aspects such as sales and marketing, and logistics and supply chain.

Salaries
Employment and salary data for product design and manufacture is not available due to a small sample size. The range of salaries for product designers with several years’ experience is £25,000-£45,000, and those with 10-15 years’ experience can earn up to £60,000***.

Manufacturing engineering
Many of the challenges facing UK and global industry are manufacturing related and it is predicted that manufacturing will need an additional 324,000 scientists and engineers by 2014 (Manufacturing: New Challenges, New Opportunities, BERR, 2008). In addition to current industry requirements there is projected expansion in renewable energy and nuclear industries, clean technologies and products, biotechnology, electronics (including aerospace) and sections of the automotive industry.

Salaries
In 2014, 88% of first-degree graduates in manufacturing engineering who were available for employment had secured work or further study within six months of graduation. The average starting salary was £24,778 with the highest being £32,000**.

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***.

* The Graduate Market in 2013, 2014 and 2015, High Fliers Research.
** Known destinations of full-time home and EU first-degree graduates, 2013/14.
*** www.prospects.ac.uk (April 2015)

Careers and Employability Service
Our Careers and Employability Service, which is based on University Park Campus, offers an extensive range of careers-oriented services, including CV-writing sessions, interview advice, presentations by major employers and general career advice. As a University of Nottingham graduate, you will receive lifelong support from the service. This means that you can ask a careers adviser to look over your job application in person, by email or Skype and you can also access a database of graduate vacancies. For more information see www.nottingham.ac.uk/careers/engineering

The Nottingham Advantage Award
The University’s Advantage Award is a programme of activities developed to recognise and reward extracurricular responsibilities. It allows you to gain recognition for participating in a wide range of activities accredited by the University and delivered by top graduate employers, professional services and members of staff of the University. It also shows employers that you have gone above and beyond your degree and gained valuable transferrable skills. For further information, please visit www.nottingham.ac.uk/careers/advantage
“I’m part of the Freefall Camera research project that aims to create the world’s first autonomous skydiving robot. The idea has been growing since second year with lots of support from various academics including our third-year tutor, Dr David Branson.

Design has been the most enjoyable part of the course. It was during our Group-Design-and-Make module that we developed The Freefall Camera. Since then, we’ve been making headlines within the skydiving community and came third in the University’s annual Student Venture Challenge competition.

Thanks to the camera’s success, I’ve been able to approach various skydiving manufacturers about potential work with their research and development departments. I’m currently in discussions about a potential job so watch this space!

University life as a whole has been great. Nottingham has it all and joining the skydiving club has given me friends for life as well as a route to pursue after University.”

Thomas Shorten
MEng Mechanical Engineering, fourth year

Find out more about The Freefall Camera
bit.ly/FreefallCamera
Or like their Facebook page www.facebook.com/freefallcamera

Thomas is pictured using the lathe machine to turn metal.
Marcus Waite is an alumnus of The University of Nottingham after studying mechanical engineering. Marcus has worked at McLaren Racing for the last 15 years, during which time he managed the test engineering department in Lewis Hamilton’s championship winning year. Recently he helped to develop the MP4-12C and now works as the Chief Engineer at CRS Racing.

Marcus’s role as a test engineer is to develop the performance of Formula One cars through track testing. At all the Grand Prix around the world, Team McLaren Mercedes has a race team but in-between the races it is the test team which tests, probes and evaluates new suspension or new aerodynamic components – any slight improvement which will give their drivers the competitive edge and precious seconds of speed.

Like many engineers in the making, Marcus began repairing items at home until his projects became more and more complicated.

“It was a great opportunity to learn about all aspects of engineering through practical projects. I learned the traditional engineering skills of design and manufacture, as well as technical reporting and presentation skills.

Nottingham offered a high-quality and well-respected course, which also offered practical workshop sessions which were very good.”

Marcus Waite
Senior Test Engineer, McLaren Racing
Chief Engineer, CRS Racing
Mechanical Engineering BEng (1996)
Staff profile

Seamus Garvey is the Neville Rieger Professor of Dynamics at The University of Nottingham. He began his career as a research engineer at GEC Large Electrical Machines Ltd. in Rugby, remaining with the company for six years. In that time he concentrated mainly on mechanical analysis and vibration analysis in particular, completing his PhD in 1988 on the subject of vibration prediction in large electrical machines.

Seamus moved to The University of Nottingham in 2000 and is director of the Rolls-Royce University Technology Centre in Gas Turbine Transmission Systems, where he leads dynamic research activity. His other research passion concerns energy storage and offshore wind.

One problem with most renewable energy sources is that times of maximum generation don’t necessarily correspond with times of consumption.

"We will have times (as wind power becomes more common) when the amount of electricity generated by the wind is more than the total demand for the whole country... then you have to store it or waste it."

Professor Seamus Garvey
Postgraduate opportunities

The Department of Mechanical, Materials and Manufacturing Engineering offers taught programmes covering a range of specialist and advanced engineering subjects, drawing on the internationally leading research of our academic staff and the strong links we have with industry and government agencies.

We currently offer the following postgraduate taught courses:

- MSc Advanced Materials
- MSc Aerospace Technologies
- MSc Bioengineering
- MSc Bioengineering: Biomaterials and Biomechanics
- MSc Bioengineering: The Digital Body
- MSc Bioengineering: Imaging and Sensing
- MSc Human Factors and Ergonomics
- MSc Manufacturing Engineering and Management
- MSc Mechanical Engineering
- MSc Risk and Reliability Methods
- Sustainable Energy

For more information about our postgraduate taught courses, see www.nottingham.ac.uk/pgstudy/m3

In line with The University of Nottingham’s profile as a major research-led university, academic staff are all heavily involved in research as well as teaching.

One of the advantages of being in a thriving research culture is that you are taught by people who are genuinely up to date and authoritative in their fields. In addition, research activity fosters close links with industry, creating opportunities for project work, industrial placements and careers after graduation.

Our staff have a breadth of expertise in areas including advanced materials (hydrogen storage materials, nano-tubes, nano-structured membranes, catalysts for fuel cells, photonic glasses), fossil energy, carbon capture and storage, aerospace transmissions, automotive (engine performance and modelling), flow visualisation, drag reduction, computational fluid dynamics, advanced manufacturing (including intelligent automation, laser processing, micro- and nano-manufacturing, robotics, light weight structures, sustainable manufacturing), additive manufacture and 3D printing, human factors (human-computer interface, rail and road safety, transport simulation laboratory), fluid and particle processes (nano-particles, multiphase flow).

Visit our faculty research webpages for more information: www.nottingham.ac.uk/engineering/research

There is a range of both taught and research opportunities available in mechanical, materials and manufacturing engineering.
You've read lots about the degree programme you're interested in, now it's time to explore life outside the lecture theatre. There's so much for you to get involved in and explore at the University and around the city. We are proud to be one of the leading universities for student experience in the UK*, which will ensure that you have a university experience you'll never forget.

Your University of Nottingham – at home and around the world

We are proud of our stunning campuses and are continually investing in our grounds, buildings and amenities to ensure that you only have the best surroundings in which to live and study. Our main UK campuses have a mix of state-of-the-art facilities, including sports centres, places to eat and excellent learning facilities on every campus.

We’ve made getting from campus to campus as easy as possible and students can benefit from our free inter-campus Hopper Bus, so you’re never far away from the striking architecture and innovative technology of Jubilee Campus, the rolling parkland and period buildings at University Park, or the cutting-edge features of Sutton Bonington.

The University of Nottingham is Britain’s global university with campuses in the UK, China and Malaysia. We also have links with more than 300 universities in over 40 countries, adding a truly global flavour to your degree and giving you the chance to explore the world. Find out more: www.nottingham.ac.uk/about/campuses

Your student experience – everything you need to know

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Your new home from home

At Nottingham we offer a range of different accommodation options, rooms are available as single or shared, en suite or shared bathroom, all the way through to studio flats, and vary from self-catered to fully catered (19 meals per week). We also offer a guarantee of University accommodation for one year to all new full-time undergraduate students, subject to the following conditions: you firmly accept your course place at Nottingham, accept your offer of accommodation by the deadline given in your offer letter, and have an unconditional status no later than 31 August in the year you intend to begin your studies. If you are a new, full-time undergraduate student who is classified as international for fee purposes, this guarantee applies for three years**.

For more information, including a breakdown of pricing, see www.nottingham.ac.uk/accommodation

** Providing you submit your returners’ application in line with the requirements of the accommodation providers.
Your support network
Throughout your university journey there will be numerous people on hand to support you, including tutors and dedicated staff who will be able to advise you on various aspects of life as a student. We have Student Services Centres on all three of our UK campuses, which provide a range of support, information and specialist services to enhance your student experience. This support includes:

- **Academic Support** – can provide practical advice on areas of academic study; the service also provides specialist academic support for students with dyslexia, dyspraxia and other specific learning difficulties
- **Disability Support** – coordinates support and access arrangements for students with a disability or long-term medical condition
- **Financial Support** – provides information on the sources of finance available from government agencies and the University itself, and gives advice about financial matters
- **Student Services** – also advise on issues ranging from childcare, counselling and health to international student support, chaplaincy and faith support, as well as offering advice on paying your tuition and accommodation fees

Whatever you may need support with, they will either be able to help or point you in the direction of someone who can. Find out more: [www.nottingham.ac.uk/studentservices](http://www.nottingham.ac.uk/studentservices)

Getting involved in your Students’ Union
As soon as you start at The University of Nottingham, you are automatically enrolled as a member of our Students’ Union, which is considered to be one of the best in the country. There are hundreds of activities that you could be part of, providing you with the perfect opportunity to take up a new hobby or pursue existing interests. Choose from over 200 student-run societies, covering all interests and abilities, as well as local and national volunteering projects, to which you can commit as much or as little time as you wish.

Our Students’ Union is home to a number of award-winning student-run media groups, which give you the chance to gain practical work experience both behind the scenes or centre stage as a presenter, actor or journalist. The Nottingham New Theatre, Impact magazine, Nottingham Student Television (NSTV) and University Radio Nottingham (URN) have all been recognised as the best in their field, winning a clutch of awards for outstanding achievements.

However you decide to become involved in the Union, you can be sure you will make new friends and learn new skills, all while having a lot of fun! Find out more: [www.su.nottingham.ac.uk](http://www.su.nottingham.ac.uk)

Sports
We offer sport at all levels and an excellent all-inclusive student membership offer, so whether you enjoy sport as a hobby or are an elite athlete we will have just what you need. We have over 70 sports clubs, which means we have the 2nd highest number of sports clubs of any UK university. If you’re not interested in joining a team but want to stay fit, we have sports centres on all of our main UK campuses. Find out more: [www.nottingham.ac.uk/sport](http://www.nottingham.ac.uk/sport)

Exploring your new city
With Nottingham city centre just a 10-minute bus ride away from University Park Campus, our students are always close to the action. Buses run through campus regularly and many run late-night services too, which is handy if you’re a night owl.

For music lovers, you can take your pick from the world-famous Rock City, Capital FM Arena or one of the smaller gig venues for a more intimate live show. Nottingham is rich in performance venues, with comedy clubs and theatres catering for lovers of drama, musicals, ballet and panto. We are very proud of our sporting heritage, and with football clubs Nottingham Forest and Notts County in the city, as well as Trent Bridge cricket ground and the National Ice Centre on your doorstep, you might just become a sports fan if you’re not one already.

History and culture can be found in all corners of the city, with Nottingham Castle, Nottingham Contemporary arts centre, the Galleries of Justice Museum, Nottingham Lakeside Arts (the University’s public arts centre located on our University Park Campus), art house cinemas and three of the world’s oldest pubs all providing points of interest.

If you enjoy shopping, Nottingham is perfect for you; independent boutiques and vintage shops in the bohemian area of Hockley mix with high street names in our large shopping centres to make Nottingham a veritable shopping haven.

Find out more: [www.nottingham.ac.uk/nottinghamlife](http://www.nottingham.ac.uk/nottinghamlife)

Download our city guide: [www.nottingham.ac.uk/go/cityguide](http://www.nottingham.ac.uk/go/cityguide)
Applying for a place

We are looking for students who have the ability and motivation to benefit from our courses, and who will make a valued contribution to the department and the University. Candidates for full-time admission are considered on the basis of their Universities and Colleges Admissions Service (UCAS) form. For more information on how to make your application stand out, have a look at our online prospectus:

www.nottingham.ac.uk/ugstudy/applying/applicationprocess

Application process
All applications for an undergraduate place to study at The University of Nottingham (including applications by overseas students) must be made through UCAS. Applications should be made online at www.ucas.com. Candidates will be notified of decisions through UCAS Track at track.ucas.com

Applications for our courses are made under one of the UCAS codes listed in the table on page 6. There is an amount of flexibility for students to transfer to a different course within the department during the first year, depending on space available.

Applying with achieved A level grades
If you apply to us having already completed your A levels, your application will be considered in exactly the same way as those from candidates with predicted grades. Please tell us something about your gap-year activities in your UCAS personal statement.

For tips and advice at every step of your application journey, visit our undergraduate applicants' area:
www.nottingham.ac.uk/ugapplicants

Entry numbers
Please see page 6 to find out approximately how many people we accept onto each course.

Academic attainment
Our typical A level requirements are detailed on page 6.

The selection procedure
Selection of those applicants to whom we will make an offer will be based upon a combination of the candidate’s academic record and an assessment of all the information provided in their UCAS application form, their academic reference and their personal statement.

Success in engineering requires a combination of skills and we’re looking for indications of aptitude and enthusiasm. It is worth seeking relevant work experience if possible, as this demonstrates your interest and will help you confirm your career choices too.

We would like to hear about your interests, hobbies, achievements and ambitions as well as your academic ability, so please use your UCAS personal statement to paint a good picture of who you are and what you want to achieve in your future.

Alternative qualifications
In this brochure you will find our A level and International Baccalaureate (IB) entry requirements but we accept a much broader range of qualifications on a case by case basis.

These include:
• Access to HE Diploma
• Advanced Diploma
• BTEC HND/HNC
• BTEC Extended Diploma
• Cambridge Pre-U
• Irish Leaving Certificate
• Scottish Advanced Highers
• A range of engineering foundation courses

This list is not exhaustive; we will consider applicants with other qualifications on an individual basis. The entry requirements for alternative qualifications can be quite specific; for example you may need to take certain modules and achieve a specified grade in those modules.

Please contact us to discuss the transferability of your qualification.

Required subjects
• All courses: 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 IB7. 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.

Flexible admissions policy
In recognition of our applicants’ varied experience and educational pathways, we employ a flexible admissions policy. If we judge that your situation has adversely affected your achievement, then we will consider this when assessing your academic potential. If you wish to mention information about your experiences in your personal statement, then you should ask the teacher or tutor writing your reference to confirm what you have written.

We may ask for further evidence and may consider a range of factors. For more information, please see www.nottingham.ac.uk/go/admissionspolicies

Mature applicants
We encourage applications from mature students (those aged 21 or over when the course begins). You should apply in the normal way through UCAS. While we accept a range of qualifications, you should check our specific requirements on UCAS course entry profiles. If in doubt, please contact the admissions tutor, who will be happy to answer any specific queries you have. Please email your questions to eng-student-support@nottingham.ac.uk

For more information about being a mature student, please see www.nottingham.ac.uk/mature

International applicants
We welcome applications from international students and have students from many parts of the world studying with us at undergraduate and postgraduate level. All international candidates for undergraduate courses should apply through UCAS.

The University's International Office offers guidance and advice on matters such as visa and immigration regulations, working and living in the UK, entry requirements and preparing for coming to Nottingham – and arranges a Welcome Programme for new international students each September. If you would like to visit the University and are unable to attend an open day, the International Office will be happy to arrange an individual visit for you. For further information please visit www.nottingham.ac.uk/studywithus/international-applicants
English language requirements
IELTS 6.0 (no less than 5.5 in each 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 – academic English preparation and support
The University of Nottingham Centre for English Language Education (CELE) offers high-quality academic English and study skills (presessional) programmes to prepare you to study your degree in English. Our programmes are designed to give international students excellent preparation for their academic studies and are taught by experienced, professional tutors.

CELE provides a range of programmes throughout the year, including five-week subject-specific courses (in some subjects) and a four-week course in September for students with unconditional offers, with a focus on academic study skills. You can continue to benefit from academic English support with free classes and one-to-one consultations throughout your study (insessional programmes).

For more information about CELE, please visit www.nottingham.ac.uk/cele

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.
Frequently asked questions

Can I take a year in industry?
We strongly encourage you to consider an industrial placement as part of one of our industrial placement courses. The Engineering Faculty Industrial Placement Team can help you find a placement. In addition there is the Year in Industry scheme which is a not-for-profit organisation that provides placements for students. They have an office within the Faculty of Engineering and a website: www.yini.org.uk

How much practical work will I do?
Practical work is an integral part of the course and includes laboratory work and industrial visits. We use labs to develop analytical, problem-solving and team-working skills. The amount of practical work undertaken is high in the first year, typically 20% of the course.

What staff support is available?
The department runs a personal tutorial system. First-year students see their tutor on a weekly basis. In later years, tutors advise on module/course choices and career options. Personal tutors are also assigned to act in a pastoral role if necessary.

I haven't studied the correct subjects – is there any way I can do engineering?
If you have not studied maths or physics at A level you could consider applying for the Engineering Foundation Year Programme. For more details, please see www.nottingham.ac.uk/foundationyear

Can I change to a course with an industrial placement?
If you obtain a placement then you can transfer to one of our placement year courses.

How much are the fees?
Like many universities in England, Nottingham charges full-time UK and EU students an annual tuition fee of £9,000. However, you will not have to pay your fees while studying – the government will lend eligible students the money, which you will start to pay back once you have left university and are earning at least £21,000. For more information, please see www.nottingham.ac.uk/fees

Fees for students from outside the EU vary from subject to subject. For more information, please see the ‘New international students’ section on www.nottingham.ac.uk/fees

What bursaries are available?
Although bursary figures for 2016/17 are yet to be finalised, the University will continue to offer a generous package of bursary support to students from lower-income households. These are in addition to any support you may receive from the government. For more information please see www.nottingham.ac.uk/financialsupport or take a look at the funding tab on the relevant course entry in our online prospectus: www.nottingham.ac.uk/ugstudy

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

The Faculty of Engineering offers International Undergraduate Scholarships for incoming undergraduate international students which comprise a fee reduction of £1,500 and ongoing yearly awards for students who meet the eligibility criteria. For more information, visit: www.nottingham.ac.uk/engineering/funding

Department of Mechanical, Materials and Manufacturing Engineering
www.nottingham.ac.uk/m3

What support do you offer for students with a disability or dyslexia?
We are committed to promoting access for students who have a disability, dyslexia or a long-term medical condition. Services provided by the University aim to enable students to fulfil the inherent requirements of the course as independently as possible.

The University’s Disability Statement, which lists services, facilities and opportunities available throughout the University can be viewed at www.nottingham.ac.uk/disability

What support is available for students with children?
There are a range of services provided to support students with children, including a University day nursery, a playscheme and playcentre day care. There is also a scheme to help students fund childcare. For more information, see www.nottingham.ac.uk/child-care

To ask course-specific questions contact: eng-student-support@nottingham.ac.uk
Visiting and contacting us

Open days
If you’re considering applying to The University of Nottingham we recommend that you try to attend one of the University-wide open days, which are held in June and September each year and attract around 30,000 visitors. Find out more: www.nottingham.ac.uk/opendays

Mini open days
Mini open days are much smaller than the main open days but offer the same opportunities to attend various talks and tours as well as speak to current students and academics. Find out more www.nottingham.ac.uk/go/miniopendays or call +44 (0)115 951 5559

Virtual open day
If you can’t attend one of our open days in person, or would like to explore our campuses before visiting, take a look at our virtual open day: www.nottingham.ac.uk/virtualnottingham

UCAS visit days
Once you’ve been offered a place at Nottingham, you will be invited to attend a UCAS visit day, which is an opportunity for you to visit the department and to find out more about your chosen course. You will also be given a short tour of the campus by current students.

Other visits
If you wish to make an informal visit to the University prior to applying here, you are welcome to do so, but you should contact us in advance if you wish to visit the department or speak to an admissions tutor, and we will do our best to oblige.

Contacting us
For further information please contact:
Jack Iliffe
Engineering Student Support Team
Engineering and Science Learning Centre
University Park
Nottingham, NG7 2RD
t: +44 (0)115 846 8504
e: eng-student-support@nottingham.ac.uk
w: www.nottingham.ac.uk/m3

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

You can also connect with fellow applicants and current students on our applicants’ Facebook and Twitter pages:

UoNApplicants
@UoNApplicants

The University of Nottingham has made every effort to ensure that the information in this brochure was accurate when published. Please note, however, that the nature of the content means that it is subject to change from time to time, and you should therefore consider the information to be guiding rather than definitive. You should check the University’s website for any updates before you decide to accept a place on a course.

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