Engineering

UNDERGRADUATE STUDY
2016
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Welcome to Warwick

Become part of a leading engineering community where ‘pioneering’ and ‘entrepreneurial’ are more than buzz words

Find out more
This prospectus gives you a flavour of what Warwick has to offer, but we know you probably have lots of questions. Why not get to know us a little better?

Come to campus
Open Days 2015
Don't just take it from us, come and see for yourself what Warwick's all about. Our University Open Days give you the chance to meet staff and students, visit academic departments, tour the campus and get a real feel for life at Warwick.

► Friday 19 June
► Saturday 20 June
► Saturday 26 September
► Saturday 24 October

Warwick Visits
If you can't make an Open Day, why not attend a Warwick Visit? These last about two hours, include a campus tour and give you a quick snapshot of life as a Warwick undergraduate. Alternatively, you can contact us to arrange an individual visit.

You’ll find full information on Open Days, Warwick Visits and other opportunities to visit us at www.warwick.ac.uk/ug/visits

Meet us near to home
Can’t visit the UK? We attend exhibitions and make school visits in over 40 countries each year.
www.warwick.ac.uk/io

Connect with us

studentblogs.warwick.ac.uk
@warwickengineer
facebook.com/warwickengineering
youtube.com/uniwarwick

Email us
For queries about admissions, you can email engadmissions@warwick.ac.uk
For general questions about the University, email student.recruitment@warwick.ac.uk

Talk to us
If you have any queries about applying for a full-time undergraduate degree course at Warwick and you can’t find the answers in our prospectus or online, or you just want to talk things through, you can always give our Undergraduate Engineering Admissions Team a call on +44 (0)24 7652 4129.

Go online
Check out our website at www.warwick.ac.uk for full and up-to-date course details, advice on finance and funding, and more information on student life.
Engineering at Warwick

Now is a great time to study engineering and address global challenges such as meeting increasing energy demands, advancing healthcare and proving resources for an expanding world.

Employers are faced with a serious shortage of high-quality engineering graduates to develop innovative solutions to these problems. Through a partnership between the School of Engineering and WMG (Warwick Manufacturing Group), our unified teaching approach will enable you to excel in the technical, social and commercial skills needed to design the products, processes and services that will improve people’s lives.

Your future plans are quite likely to change as you gain a better understanding of engineering and the vast range of careers that it offers. Having the flexibility to remain as a general engineer, to specialise or vary the level of study between BEng and MEng is a great advantage.

I’m sure you expect only the best from your studies. That’s why we’re continuously investing in our
facilities, giving you access to expert staff and resources, enabling you to study to the best of your ability.

Your training and development doesn’t have to remain within the UK. Our international links make it possible for you to gain experience on a global platform, possibly through our partnership with Monash University in Australia, or institutions in the US, Canada, China and across Europe.

You won’t need to worry about some of the costs of starting your course. We will help you in your first year by providing all your essential textbooks and equipment free of charge. There are also merit-based scholarships available for gifted and talented students who make us their first (firm) choice.
Campus life

Everything you need is within easy reach on our campus – you will find shops, health care, cafés, plenty of entertainment options and a great nightlife.

Welcoming atmosphere
Our campus is home to students and staff from many different backgrounds and from countries all over the world. It’s this inclusive and cosmopolitan atmosphere that gives Warwick its vibrancy and characteristic ‘buzz’. Warwick values the individuality of our students, so we provide an environment where you can be yourself and form long-lasting friendships. You may want to get involved in some of our many clubs and societies, but there are plenty of other ways to relax and socialise on campus.

Entertainment and nightlife
The Students’ Union (SU) runs a packed programme of events, including student-run gigs, karaoke, open mic nights and pub quizzes. For film fans, the Warwick Student Cinema society screens around 150 films per year, and there is also a cinema at Warwick Arts Centre.

www.warwicksu.com/events

Spiritual life
The Chaplaincy is the focus of spiritual life on campus. Chaplains come from the Christian (Catholic, Anglican and Free Church), Jewish and Muslim faiths. As well as regular services, the Chaplains provide a confidential listening service, offering pastoral support and spiritual guidance. Both the chapel and the Islamic prayer hall provide venues for worship on campus. The city also has a diverse range of religious communities.

Everyday essentials
You will find a convenience store, travel agent, chemist, banks and a bookshop on campus, so you can stock up on essentials and stay on top of day-to-day tasks. We also have a Health Centre close to the SU, which is open throughout the year.

A home from home
Whatever your budget, lifestyle or practical needs, we offer a wide variety of University managed accommodation, both on and off-campus. If you’ve accepted an offer from Warwick as your firm choice and you apply online for accommodation by 31 July in the year you’re due to start your course, we guarantee you a place in University-managed accommodation.

Living on campus
Living on campus means you’re never more than 15 minutes walk from your lectures and all of our fantastic facilities. Rooms costs range from £81 to £160 per week* and letting lengths differ between halls. All have Wi-Fi connectivity, so you can easily access the internet. *Costs correct at time of print.

Eating options
All our campus accommodation is self-catering, with well-equipped shared kitchens. There’s a supermarket close by and a convenience store on campus, so you don’t have far to go to stock up on food. Or, if you don’t feel like cooking, there’s no shortage of places to eat out around campus.

Local life and area
While you’ll enjoy the benefits of our great campus facilities, it’s definitely worth exploring a little further afield. Whether you’re a country-lover or a confirmed urbanite, our campus is perfectly positioned to give you the best of both worlds.

With city lights and countryside both within easy reach, you won’t be short of choice for things to see and do in the local area. We are located in Coventry and close to the Warwickshire towns of Royal Leamington Spa, Kenilworth and Warwick, so you don’t have far to go to find some great nights out, live music and theatre, cultural and historical attractions, and beautiful countryside.

A thriving city
When you’re on campus, surrounded by our lovely green spaces, you could be forgiven for thinking the University is in the countryside, but in fact we’re just three miles from Coventry city centre. This city was built up around motor manufacture and engineering and we have built up strong links with local industry.
Well connected
If you want to venture further, London is just an hour’s train ride from Coventry, Birmingham is 20 minutes away by train, and Birmingham International Airport is a 20-minute drive from campus.

Beyond study
With nearly 300 student societies and clubs, you have many opportunities to meet people, learn valuable skills and try new things.

The Students’ Union (SU) supports over 230 student-run societies plus 67 sports clubs – covering activities as diverse as juggling, cinema, Harry Potter, and cheese and chocolate appreciation – so there’s bound to be something for you. We also offer many ways to volunteer in the local community and further afield.

Sport
Sport plays a huge part in student life at Warwick, whether you’re an elite athlete, an absolute beginner or you just want to keep fit and healthy.

Our sports facilities are among the best in the UK and Warwick was an official training venue for the 2012 London Olympics. Our main University Sports Centre houses a gym, a 25-metre six-lane swimming pool, squash courts, a training studio and an aerobics studio. We also have an indoor and outdoor tennis centre, outdoor all-weather floodlit pitches, a ‘Mondo’ 400-metre all-weather running track and three indoor sports halls. From 2015 we’re investing £40M into making sport at Warwick even more rewarding and accessible.

Full details about campus life is available on the website warwick.ac.uk/ug

www.warwick.ac.uk/volunteers
www.warwick.ac.uk/warwickinafrica
www.warwicksu.com/societies/all/welfare
We’re a university with a world-class reputation, so we appoint the best staff, which is reflected in the educational experience. This means you’ll be taught by those at the forefront of research. They’re the teachers who are innovating. They’re the teachers who are setting the agenda for others to follow.

Expand your mind, expand your horizons
What if you studied abroad? Working overseas could be right for you if you’re keen to further both your employability and life experience. Warwick has a unique relationship with Monash University in Melbourne, Australia, acknowledged as one of the world’s top universities. So, if you’re keen to use state-of-the-art video conferencing to share ideas and information across thousands of miles, or you’re looking for an exciting exchange opportunity, our Monash-Warwick Alliance can help you do so.

We also take part in ERASMUS+, the European Union exchange scheme - this potentially gives you a path to two years studying in a European university or undertaking a work or teaching placement.

Language is no barrier
If you see yourself taking on the world, we can arm you with the best language skills. Our Language Centre has plenty to offer in terms of more formalised language tuition, online learning, or supporting you to learn a language in your spare time.

Facilities fit for learning
Our University Library is an ideal base for any study, whether you prefer traditional individual study environments or spaces that encourage collaboration. It has access to over a million printed works and tens of thousands of electronic books and professional journals.

We’re currently creating a new £20M teaching and learning building, which will house some of the finest teaching and learning resources available in the UK. The building, which you can expect to see on campus in late 2016, will be a thoroughly social space, featuring innovative advanced technology.

Don’t worry if you prefer to keep your studying confined to your bedroom - if you live on campus, all bedrooms have free Wi-Fi access, effectively making them study rooms too.

www.warwick.ac.uk/studyabroad
www.warwick.ac.uk/learninggrid
www.warwick.ac.uk/library
www.warwick.ac.uk/languagecentre
The company services sectors in every aspect of civil engineering, from environmental to infrastructure. I have been lucky enough to spend two summers in 2013 and 2014 on their 8 week internship programme in Bristol, and so have gained a glimpse into the inner workings of the Civil Engineering Industry.

I spent my first summer with the infrastructure department, who had been contracted to design a haul road and route for a new cable system from National Grid’s Hinkley Power Station to Bristol. Some mornings I would either head to the National Grid office for briefings, or the Avonmouth Docks for a site induction. The designed route needed to be surveyed. Along with another member of the team, most days of the week I would head out into the beautiful countryside of Somerset to walk the 64km route.

Back in the office, I maintained a database containing all the details from site and also worked on drainage calculations for a new playground for a school.

Returning back for my second summer at Mott MacDonald broadened my knowledge of civil engineering and increased my understanding of how the different sectors work together on large projects. I spent this summer splitting my time between the environmental and water departments. The environmental team had many sites in the southwest to create environmental screening assessments before flood repair work could be started. This project involved working closely with the Environment Agency, and by the end of my first week I was fully integrated with the team and learning new terminology and criteria.

For the water department, I became the document controller and distributor for an ongoing Network Rail Flood Resilience project that spanned five sites. I spent a day with Network Rail at their offices in Swindon to liaise with the project manager and bring documents back for the Mott’s team.

Additionally, I had a side project of researching different variations of pipe insulation. I created recommendations based on my findings and supporting calculations for large diameter above ground water pipes.

My time in the infrastructure, environmental, and water departments confirmed my desire to become a Chartered Civil Engineer, and I thoroughly enjoyed being part of each team. The friendly community spirit of the firm made my return easy, and I was thrilled when I was put forward for the Bristol Buildings and Infrastructure Bursary for my final year. I am very much looking forward to returning as a graduate next year.

Serena Gosden
Fourth Year MEng Civil Engineering
Joining Mott MacDonald as a graduate in 2015
Coming to Warwick means you’ll be highly employable when you graduate. We are ranked 15th in the world for our reputation with employers (QS World University Rankings 2014/15), who describe Warwick graduates as well motivated with a broad range of interests outside their academic studies.

Stand out from the crowd
Over 300 leading employers visit campus each year to meet our students, and the value of a Warwick education is reflected in the high quality of job roles that employers offer to our graduates.

We were ranked as the third most targeted university nationally by the UK’s top 100 graduate employers (The Graduate Market in 2015, High Flyers). The average salary of Warwick’s 2013 engineering graduates six months after finishing their degree was £24,000, compared to a national average of £20,000, placing us in the top ten among UK universities. At 78%, we also have one of the highest percentages of graduates entering either professional or managerial jobs, or graduate-level study, of any UK institution (all figures taken from The Times and The Sunday Times Good University Guide 2015).

Many of our graduates aim to go straight into full-time employment, and 93% of Warwick 2013 graduates were working, undertaking further study or both, six months after graduating. Others choose to develop their early careers through voluntary work, or take time out to travel.

What makes Warwick graduates so employable?

Firm foundations
As well as building your subject knowledge, our degree courses enable you to develop key skills in independent and critical thinking, presentation and communication, research, leadership and organisation. Collaboration between our departments and employers also ensures our curricula are relevant to today’s and tomorrow’s workplace.

Choosing Warwick opens up endless possibilities for you to fulfil your potential. We’ll give you the tools to carve out the career path that’s right for you.

Work experience
In 2014, recruiters estimated that over a third of entry-level positions would be filled by graduates who had already worked within their organisations, making Warwick’s strong links with employers even more valuable.

All our undergraduate degrees offer either the opportunity to apply your learning in a workplace or industry setting as part of your degree, or the option to apply for a voluntary year out for work experience (subject to approval from your academic department). These include placements (which are usually year-long arrangements, designed to enhance your studies) and internships. Internships are shorter periods of on-the-job learning, which usually take place over vacations or after graduation.

Warwick work experience bursaries are available to support unpaid work and internships, and many students also gain experience through voluntary work.

Support to achieve your goals
It’s not just a case of ticking boxes on your CV. Your career path is unique to you, which is why our Student Careers and Skills team has developed ‘My Warwick Journey’ to help you develop your skills, think about your career and get experience. ‘My Warwick Journey’ encourages you to start thinking about your career aspirations from the moment you start your degree so that you can draw the most value from your entire student experience.

www.warwick.ac.uk/myjourney

You can access a range of support services from Student Careers and Skills at any point in your degree and for up to three years after graduation.
Chartered Engineer status
As an ambitious student, you will probably aspire to achieving Chartered Engineer (CEng) status.

The popular route to reaching this goal is to complete a four-year accredited Master of Engineering (MEng) degree, or you can undertake an accredited Bachelor of Engineering (BEng) degree and complete additional training after graduation. All our specialist degrees are accredited by the relevant professional institutions for progression to Chartered Engineer status.

Assessed professional development and experience
Chartered Engineer (CEng)

Who employs our graduates?

Around 70% of our graduates find employment within engineering and IT sectors.

A further 10% are employed by accountancy firms, consultancies and investment banks because of their strong numeracy, inter-personal and team-working skills.

The remaining 20% of graduates find employment in a variety of sectors such as retail, the armed forces and teaching. Here are just a few of the companies employing Warwick engineers:
- Arup
- BAE Systems
- Jaguar Land Rover
- Morgan Sindall
- Rolls-Royce (Aerospace)
- Ericsson
Engineering societies and clubs

**Engineering Society**

The Engineering Society is a not-for-profit organisation comprising over 700 members, run by students for students. We host two of the largest conferences at Warwick. One focuses on Energy, the other on Technology. We welcomed speakers from Shell and Deutsche Bank and even the Chief Engineer of the UK Space Agency. Previous conferences have included sessions as diverse as making dragsters out of mousetraps, to Carbon Capture.

Need help with your academic work or need a hand with applying for jobs and internships? We host weekly sessions for assignment-based help and also host our partner companies, who run workshops including CV writing and interview techniques.

The Society also gives you great opportunities to meet new people in our socials and by joining our sports teams. We host regular socials, ranging from club nights to sit-down meals, Laser Quest to bowling.

In 2015 we are hosting a brand new Society Ball, featuring an awards ceremony, three-course meal and live entertainment.

We also have the largest Outreach team of all the Warwick societies. The team organises fundraising events and visits to schools to promote studying Engineering. As well as a fantastic way of giving back to the community, this is also a great opportunity to develop the skills employers want to see on your CV.

You will be welcomed to Warwick with free membership. Joining the Society means you also save lots of money, as we subsidise your tickets with our £25,000 sponsorship; one of the largest society budgets on campus!

[warwickengineers.com](http://warwickengineers.com)

**Engineers Without Borders**

This student society is part of Engineers without Borders UK (EWB), which is an international development organisation that removes barriers to development through engineering. We run a broad range of activities for our members throughout the year, including training workshops, outreach, talks, long-term projects, socials, and international placements.

Over the summer a team of EWB Warwick members went to Tanzania and taught a rural community how to build a wind turbine. The project was organised by EWB Warwick and an NGO (Non-Governmental Organisation) in Tanzania called ‘I Love Windpower’. It was a great success and the turbine that was built now provides electricity to a secondary school, powering lights and a few computers.

EWB Warwick is a great society to get involved in as it gives opportunities to learn skills that not only complement your studies, but also help your wider development as an engineer. It is a great way to meet new people and help make a real difference to the local and international communities.

[ewb-warwick.org](http://ewb-warwick.org)

**WarwickTECH**

WarwickTECH is a brand new society with a focus and emphasis on bringing together like-minded entrepreneurs to pursue STEM (Science, Technology, Engineering and Mathematics) related technical and innovative projects. The society aims to provide a platform for students to come together and share their ideas.

WarwickTECH aims to help students develop technical and entrepreneurial skills, through events such as workshops, Hackathons and guest speakers.

The latest Hackathon event was a great success. Over 60 students had an intensive 24 hours to collaborate on software and hardware projects, such as modifying existing computer interface hardware or creating new data visualisation tools. Major League Hacking brought along their hardware lab and the School of Engineering was also open, allowing students to utilise the 3D printers and laser cutting equipment in the Digital Workshop.

[warwick-tech.co.uk](http://warwick-tech.co.uk)
International Warwick

Through collaborative partnerships, we share resources and knowledge with academic communities throughout the world. This means that you will be part of a truly cosmopolitan student community, broadening your experience and outlook.

One-third of our students are from overseas, coming from nearly 150 countries, and we are the university of choice for over 45 international governments and sponsoring bodies. Our Go Global initiative helps you to get the most out of your time at Warwick – so that you can leave as an internationally-enriched global graduate, ready to travel and explore the world or embrace an international career.

Whether you are an international student, or just keen to learn about different cultures, many of our student-run societies have an international dimension. World@Warwick is the second largest student-run society, which was set up to create opportunities for students to achieve greater mutual understanding of each other’s cultures. It is one of many societies involved in organising One World Week – a festival celebrating culture, diversity and internationalism that sees the campus come alive with debates, parades, performances, sports and other events. There are also opportunities for all students to develop their language capabilities throughout their studies at Warwick and to apply to study abroad.

International students

Our International Office (IO) provides a point of personal contact, both in the UK and globally, to help you through the application process, on your arrival at Warwick and throughout your time here. Representatives from the IO also attend exhibitions, visit schools and universities, and hold receptions for offer holders.

Routes to Warwick

Warwick runs short academic programmes for international students, which provide exciting learning and cultural experiences.

International Summer School

A three-week programme, combining intensive academic study with a varied social agenda exploring the diversity of British culture and heritage. The Summer School offers unique accredited courses taught in prestigious departments, with guest lecturers and innovative teaching methods.

Warwick IFP

The Warwick International Foundation Programme is an intensive pre-university programme, which allows progression to a wide range of undergraduate courses at Warwick and at other universities across the UK. Through study at one of our two partner colleges, students learn in an exciting, cosmopolitan and academically-enabling environment, with five specialist academic streams, and excellent teaching and learning facilities. All students who successfully complete the Warwick IFP and apply to Warwick through UCAS will receive a guaranteed conditional offer for a related undergraduate programme.

www.warwick.ac.uk/io

www.warwick.ac.uk/iss

www.warwick.ac.uk/ifp
Course structure and content

Our course structure has been designed to give you choice and flexibility and to meet the needs of employers, who want engineers with strong technical knowledge and the ability to understand and communicate in technical and business functions.

For the first two years all students (no matter which course they apply for) follow the same common content, meaning you will have until the end of second year to make your final choice about which type of engineering to specialise in, giving you time to gain an understanding of each area.

Year one

Core modules

Optional module - one of the following:
Aesthetics of Design, Biomedical Engineering, Foreign Language, Multimedia Technology, Technology in International Development, Foundation Mathematics Module (for those with higher level Physics, but no higher level Mathematics).

Year two

Engineering products, such as cars, aeroplanes and bridges, are complex systems. During your second year, you will build on your understanding of the multi-disciplinary nature of these products and gain the language and terminology to communicate with the wide range of specialists who you will work with in the future. A choice of design projects and an optional module will help you make your final decision on which area of engineering to specialise in. It is at the end of this year that you also make your final decision about whether to continue for a BSc, BEng or MEng degree. Note: Progression criteria apply at the end of each year.

Core modules

Optional module - one of the following:

Year three

In your third year the course concentrates on providing the specialist engineering knowledge essential to each course, and on developing your research skills through an individual project. There is also an opportunity for some MEng students to spend their third year studying abroad. If you decide that you would rather have a more business-focus, you can study our Engineering Business Management or Engineering and Business Studies degrees.

Year four (MEng only)

If you follow a MEng course you will stay on for a fourth year of academic study and add some more specialist material relevant to your chosen degree course. All MEng students join an interdisciplinary group project, which will integrate taught material as well as helping you practise your research skills in a team environment. You can focus on a particular area of interest via your elective choice or simply choose three optional modules. It is also possible to take a year-long placement in an industrial or research environment, before returning for your fourth year of academic study and have this reflected in your MEng degree title.
### Sample 2015 first year timetable

We are continually updating the course structures to respond to student feedback and this timetable may change in subsequent years.

<table>
<thead>
<tr>
<th>Day</th>
<th>Type of module</th>
<th>Teaching method</th>
<th>Module title</th>
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<tr>
<td>Mon</td>
<td>Lecture</td>
<td>Lecture</td>
<td>Mechanics</td>
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<td></td>
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<td></td>
<td>Business</td>
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<tr>
<td>Tue</td>
<td>Lecture</td>
<td>Lecture</td>
<td>Lecture</td>
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<tr>
<td></td>
<td>Mechanics</td>
<td>Business</td>
<td>Design for Function</td>
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<tr>
<td></td>
<td>Lecture</td>
<td>Design for Function</td>
<td>Seminar</td>
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<tr>
<td>Wed</td>
<td>Lecture</td>
<td>Meeting with personal tutor</td>
<td>Guest lecture from industry e.g Shell</td>
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<td></td>
<td>Sport club activities and competitions, social activities, or just free time!</td>
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<tr>
<td>Thu</td>
<td>Lecture</td>
<td>Lecture</td>
<td>Physics</td>
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<tr>
<td></td>
<td></td>
<td>Personal study</td>
<td>Business</td>
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<td></td>
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<td></td>
<td>A swim at the Sports Centre</td>
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<tr>
<td>Fri</td>
<td>Lecture</td>
<td>Lecture</td>
<td>Design for Function</td>
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<tr>
<td></td>
<td></td>
<td>Personal study</td>
<td>Mathematics</td>
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<td></td>
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<td>Study Skills</td>
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<td></td>
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<td>Laboratory</td>
<td>Mechanics</td>
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**Key:**
- Red: Core
- Grey: Other
- Green: Tutorial
Automotive Engineering (BEng and MEng)

H330 BEng Automotive Engineering
H335 MEng Automotive Engineering

Accrediting institutions:  

These accredited degrees combine a firm grounding in the principles of automotive engineering with experience of cutting-edge technology.

Led by WMG (Warwick Manufacturing Group) and developed in collaboration with industry leaders including Jaguar Land Rover, BMW and Ricardo, the course highlights research breakthroughs such as the world-first Formula 3 environmentally friendly car, hybrid vehicles and ‘lightweighting’.

You will study core automotive modules alongside flexible optional modules, and will benefit from industrial visits and input from firms such as Tata Steel. There are also many opportunities for individual and group project work on topics such as gearbox analysis, examining flywheel energy storage, and developing both electric and internal combustion-powered IMechE Formula Student racing cars. You will build skills in research, design and innovation, communication and leadership, and will adopt a multidisciplinary approach to solving engineering problems, allowing you to work in many industrial sectors.

The first and second years develop your understanding of core areas of engineering, with options to specialise in automotive engineering via laboratory and design work, and optional modules in aesthetics of design and vehicle technology. In your third and fourth years you will complete individual and group project work alongside further engineering and manufacturing modules covering CAD/CAM and automotive design (featuring body structure and hybrid vehicle technology).

Fourth-year optional modules allow you to add an elective in business management, robotics or sustainability, and this extra specialism can be included in your degree title.

**BEng and MEng Automotive Engineering**

**Year three**

**Core modules**
- Individual Project, Automation and Robotics, CAD/CAM and Simulation, Design for Manufacture, Design for Vehicle Safety, Quality Techniques, Systems Modelling and Control

**MEng Automotive Engineering**

**Year four**

**Core modules**
- Group Project, Design for Vehicle Comfort

**Optional modules** - five of the following:

**Electives** - available by taking three specific optional modules:
- MEng Automotive Engineering with Business Management
- MEng Automotive Engineering with Robotics
- MEng Automotive Engineering with Sustainability
- Engineering with a year in research
- Engineering with an intercalated year

Accrediting institutions:
“I love my degree, studying general engineering in the first two years enables you to gain an insight into the various streams before deciding which one you want to focus on. As part of my fourth year project I do Formula Student which is potentially the coolest project there is - we get to build a single-seat racing car and race it around Silverstone!”

Stevie Gosling
Automotive Engineering
Civil Engineering (BEng and MEng)
H220 BEng Civil Engineering
H202 MEng Civil Engineering

You will benefit from teaching founded on cutting-edge research, and will learn through theory and practical work. There are regular individual and group projects tackling industrial challenges. These may include design, build and testing of a roof structure, development of a robotic construction scheme or helping Severn Trent to improve reservoir design. You can also take part in field courses, including geotechnical engineering work in Wales and an optional trip to Africa in the summer, to improve the well-being of villagers by installing water turbines to generate electricity.

Visits to construction sites and lectures from experts in industry provide insights into the latest civil engineering practices. You will develop a multidisciplinary approach to solving engineering problems, alongside skills in project management, communication and leadership, and confidence to implement new technologies and optimise existing ones, equipping you for work across many industrial sectors.

Your first two years build a solid foundation of understanding in core areas before you explore more specialist areas later in the course. You will undertake design projects in each year and you can choose from optional modules including forensic engineering and aesthetics of design. The majority of fourth-year modules are optional and are focused on our latest research in areas such as structural dynamics and vibration. You can choose to study an elective in business management or sustainability and have this reflected in your degree title.

Career destinations for Civil Engineers are in a diverse range of sectors such as structures, foundations, water, transport and energy. Graduates may also work for civil engineering consultants and contractors.

“My main reason for choosing Warwick was that I loved the campus feel when I came on an open day, I think it’s the only way to properly see where you will spend the next three to four years of your life!”

Natalie Wride
Civil Engineering

BEng Civil Engineering
Year three

Core modules
Design Project, Civil Engineering Materials and Structural Analysis, Concrete Structures, Construction Management and Temporary Works, Geotechnical Engineering, Steel Structures, Water Engineering for Civil Engineers

MEng Civil Engineering
Year three

Core modules
Individual Project, Civil Engineering Materials and Structural Analysis, Concrete Structures, Geotechnical Engineering, Steel Structures, Water Engineering for Civil Engineers
MEng Civil Engineering
Year four

Core modules
Group Project, Construction Management and Temporary Works

Optional modules – four of the following:

Electives - available by taking three specific optional modules:
- MEng Civil Engineering with Business Management
- MEng Civil Engineering with Sustainability
  or
- Engineering with a year in research
- Engineering with an intercalated year
We are one of the UK’s leading universities in power electronics with over £20m in research funding, which ensures that the curriculum remains at the leading edge of this technology.

Our programme offers a specially tailored blend of power electronics, microelectronics, communications, sustainable design, and devices. State-of-the-art laboratories are equipped with software tools for microcontrollers and field programmable gate arrays, and you will benefit from our close interaction with prestigious semiconductor manufacturers. A multidisciplinary, research-oriented approach to learning supports personal development and provides key skills that are aligned with best commercial practices - and much sought after by leading employers. Optional modules are based on the School of Engineering’s research strengths in power electronics, communications and silicon-based sensors.

In the first two years the focus is on core areas of engineering and design. These incorporate project work, from reverse engineering to innovative design of control systems such as a mobile robot and a model rocket. In your third year electronic engineering modules cover digital, analogue and mixed-signal circuit design; programming embedded microcontrollers; robust hardware design; real-time signal processing; optical and radio-frequency communications; sensors; VLSI design; and systems integration.

MEng students diversify in their fourth year through optional modules, and some electives add either business management or communications to the degree title. The group projects replicate the multidisciplinary, team-based approaches found in industry.

Careers destination for Electronic Engineers are in areas as diverse as smart building control, petrochemical engineering, medical imaging, secure communications, consumer/media electronics, and automotive/aircraft systems.
MEng Electronic Engineering
Year four

Core modules
Group Project, ASICs, MEMS and Smart Devices, Power Electronic Converters and Devices II

Optional modules – four of the following:
Advanced Robotics, Biomedical Systems Modelling, Optical Communication Systems; Quality Systems, Signal and Image Processing; Simulation of Operations; Supply Chain Management; Antenna, Propagation and Wireless Communications Theory; Dynamic Analysis of Mechanical Systems

Electives - available by taking three specific optional modules:
- MEng Electronic Engineering with Business Management
- MEng Electronic Engineering with Communications
  or
- Engineering with a year in research
- Engineering with an intercalated year

“Currently I am in my fourth year and have been involved in a project to design and build a University of Warwick satellite and my group is producing a working prototype. Eventually this will be launched and it will be fascinating for me to see my work in space in a few years’ time.”

Rich Young
Electronic Engineering
General Engineering (BEng and MEng)

H100 BEng Engineering
H102 MEng Engineering

Accrediting institutions:  
[Institutional logos]

Our accredited Engineering degrees develop an in-depth understanding of the principles of engineering, with teaching from a wide range of automotive, civil, electronic and mechanical engineering experts, and options to specialise in areas that interest you.

These courses are led jointly by experts in the School of Engineering and WMG (Warwick Manufacturing Group). Interdisciplinary projects enable you to tackle challenges that could range from engineering a robot to rescue victims in a collapsed building, to designing and building a nano-satellite. You will develop sought-after skills including a multidisciplinary approach to problem solving, the ability to manage projects and communicate ideas, and the capacity to lead, research, design, innovate and develop products and systems.

In your first two years you will focus on core areas of engineering, with opportunities to experience laboratory and design work in all disciplines. You can also choose options from within or outside Engineering, such as aesthetics of design, vehicle technology, biomedical engineering and foreign languages. In your third (and fourth) year(s) you will study core general and systems engineering modules, and undertake individual and group project work. Projects may include producing a design and prototype of a surgical tool for middle ear surgery or creating a knowledge capture system for the IMechE Formula Student racing car project. You can also choose from a variety of optional modules.

MEng students can diversify and deepen their knowledge and experience in their fourth year by adding an elective in either business management, or sustainability, and this can be reflected in the degree title.

BEng and MEng Engineering
Year three

Core modules
- Electrical Machines and Power Systems
- Individual Project
- Measurement and Instrumentation
- Quality Techniques
- Signal Processing
- Systems Modelling and Control

Optional modules
- Automation and Robotics
- Dynamics of Vibrating Systems
- Software Engineering

MEng Engineering
Year four

Core modules
- Group project

Optional modules
- Automobile Systems Dynamics and Control
- Biomedical Systems Modelling
- Design for Sustainability
- Dynamic Analysis of mechanical Systems
- Energy Conservation
- Mathematical and Computer Modelling
- Power Electronic Converters and Devices
- Quality Systems
- Renewable Energy Systems
- River Mixing
- Simulation of operations
- Supply Chain Management

Electives - available by taking three specific optional modules:
- Engineering with Business Management
- Engineering with Sustainability
- Engineering with year in research
- Engineering with an intercalated year
- Engineering with a year in research
- Engineering with an intercalated year
“I am extremely pleased with my course. Studying General Engineering for two years has enabled me to achieve a basic understanding and technical knowledge of all the different streams before choosing one to focus on, which is perfectly adapted to the increasing interconnectedness of modern engineering!

I particularly enjoy the regular high profile guest talks at Warwick which truly inspire me as well as offering amazing career prospects, for example in the fields of supersonic cars, underground civil engineering or the 2016 Olympic Games!”

Raphael Lorgere
General Engineering
Manufacturing and Mechanical Engineering (BEng and MEng)

HH73 BEng Manufacturing and Mechanical Engineering
HH37 MEng Manufacturing and Mechanical Engineering

These accredited degrees provide a solid foundation in manufacturing engineering and mechanical design principles in the context of advanced 21st-century technology.

You will be taught by experts from WMG (Warwick Manufacturing Group), renowned worldwide for its innovative links between academia and industry, learning from cutting-edge research in areas including automation systems and digital lifecycle management. You can take part in industrial visits and receive input from firms such as Tata Steel, encouraging you to apply your knowledge to real world challenges; boosting your employability. Our multidisciplinary approach to solving engineering problems will equip you to work in a variety of industrial sectors. You will also develop research and design skills, along with the ability to innovate and develop products and processes.

In your first and second years you will study core areas of engineering alongside optional modules such as biomedical engineering and aesthetics of design. In the following year(s), further core modules include CAD/CAM, design, quality, automation and robotics, and innovative process development. We also offer flexible module options developed in collaboration with global engineering companies including Jaguar Land Rover and Rolls-Royce. You will also be able to apply your skills to an individual project such as rapid prototyping, robot design or processing of biomaterials.

In your fourth year MEng you can widen your knowledge by adding an elective in sustainability, robotics or business management. You also complete a project, for example designing and building a human-powered submarine or a robot to rescue victims from a collapsed building.

Manufacturing and Mechanical Engineers find employment within advanced industries as diverse as aerospace, consumer goods, electronics and pharmaceuticals, as well as the more traditional light and heavy engineering sectors.

BEng and MEng Manufacturing and Mechanical Engineering

Year three

Core modules
Individual Project, Automation and Robotics, CAD/CAM and Simulation, Design and Management of Lean Operations, Design for Manufacture, Industrial Engineering, Quality Techniques

Year four

Core modules
Group Project, Innovative Process Development

Optional modules - five from the following:

Electives - available by taking three specific optional modules:
- MEng Manufacturing and Mechanical Engineering with Business Management
- MEng Manufacturing and Mechanical Engineering with Robotics
- MEng Manufacturing and Mechanical Engineering with Sustainability
  or
- Engineering with a year in research
- Engineering with an intercalated year
“The flexible course design is one of the main reasons why I chose Warwick. I’ve been able to design the course to do exactly what I wanted to do. I took modules in aesthetics, advanced computer engineering, robotics, advanced management techniques and advanced manufacturing - all bits and pieces to add to my own interest and broaden my spectrum of knowledge.”

James Fairbain
Manufacturing and Mechanical Engineering
Mechanical Engineering (BEng and MEng)

H300 BEng Mechanical Engineering
H302 MEng Mechanical Engineering

Accrediting institutions:

These accredited courses establish a sound understanding of mechanical engineering principles and develop the expertise to design and create sustainable, cutting-edge technologies.

Our courses take a multidisciplinary approach to engineering challenges and are led by experts in the School of Engineering and WMG (Warwick Manufacturing Group). There will be opportunities to learn from leading research groups, in areas such as precision mechanics, fluid dynamics and sustainable thermal energy technology, and to access our excellent resources, including a digital workshop where you can 3D-print your designs. You will develop highly sought-after skills in project management and communication, alongside the ability to research, design and develop mechanical engineering products and systems.

Your first and second years focus on core areas of engineering with options to specialise in mechanical engineering via laboratory and design work. Projects include ‘reverse engineering’ a single-cylinder internal combustion engine using Computer Aided Engineering (CAE) techniques. In your third year you take core modules in solid mechanics, dynamics, thermodynamics, fluid mechanics and mechanical design, and individual project work in areas from stochastic models of bio-sensing to designing a new solar collector.

Fourth-year MEng students can explore specialist areas of mechanical engineering through their optional module choices and add an elective in fluid dynamics, sustainability or business management to their degree title. Group projects simulate collaborative working in industry by tackling challenges such as using energy from the human body to power a heart pacemaker, creating a cost-effective refrigeration system to store vaccines, or improving power transmission systems. We routinely participate in the Formula Student competition.

Career destinations for Mechanical Engineers are varied, including automotive and aerospace industries, mechanical and solutions engineers for utilities companies and engineering consultancies, and as analysts in banking, finance and management consultancy.
BEng and MEng Mechanical Engineering
Year three

Core modules
Individual Project, Dynamics of Vibrating Systems, Applied Control, Engines and Heat Pumps, Fluid Mechanics, Mechanical Design, Planar Structures and Mechanisms

MEng Mechanical Engineering
Year four

Core modules
Group project

Optional modules - six of the following:
A minimum of two modules from:

Computational Fluid Dynamics, Advanced Fluid Dynamics, Precision Engineering and Microsystems, Dynamic Analysis of Mechanical Systems, Finite Element Methods, Mathematical and Computer Modelling, and Heat Transfer Theory and Design

Plus, no more than four from:

Electives - available by taking three specific optional modules:
- MEng Mechanical Engineering with Business Management
- MEng Mechanical Engineering with Fluid Dynamics
- MEng Mechanical Engineering with Sustainability
  or
- Engineering with a year in research
- Engineering with an intercalated year

“Whilst completing the projects, any equipment I required has always been available, such as wind tunnels, workshop tools, along with advice from experienced technicians.”

Jinesh Patel
Mechanical Engineering
Teaching draws on the expertise of the School of Engineering, which delivers the highest standards of technical expertise; WMG (Warwick Manufacturing Group) who offer innovative links between academia and global industry; and Warwick Business School (WBS), which is internationally recognised for excellence in business management.

Our curriculum integrates business and technical content, developing your engineering expertise alongside knowledge of the full range of business functions, equipping you to find your place in an increasingly competitive global marketplace.

In your first and second years you will study the same core modules common to all our engineering degrees. You will not determine your final degree course until the end of your second year, ensuring that you can make an informed choice. The main difference between the Engineering Business Management (EBM) and Engineering and Business Studies (EBS) degree streams is the proportion of business material encountered in the third year of study.

For Engineering Business Management your third year is split equally between WMG and WBS, and focuses strongly on project work. You study two core modules - Quality Techniques in WMG and Supply Chain Management in WBS - and two options in each department. Options include Automation and Robotics, Design for Safety and Comfort, International Business Strategy and Marketing Management.

For Engineering and Business Studies you transfer to WBS to complete your third year and will be encouraged to take combined modules in Markets, Marketing and Strategy, and Understanding Organisational Behaviour. You can also choose around eight options from over 50 modules including principles of Finance, Business Systems Development and Implementation, and Personnel Management.

Graduates from the Engineering and Business Studies degree have achieved employment in positions varying from Investment Analyst within the financial sector, Marketing Director in manufacturing, IT Manager in utilities, as well as setting up their own companies in chemicals and journalism.

Graduates of Engineering Business Management acquire the skills to open up a wide range of career opportunities, in functions such as accountancy, marketing, contract management, procurement, supply chain management or servicing.

“The course is really interesting, as studying in a multidisciplinary environment means I’ve gained experience of both the technical and business side of things. With engineering that is very important, because whatever project you work on in the future, you will need technical knowledge and financial acumen. I’ve enjoyed my time here and have decided to continue my studies at Warwick on a Master’s degree.”

James Mwangi
Engineering Business Management
BSc Engineering and Business Studies
Year three

Core modules
Markets, Marketing and Strategy, Understanding Organisational Behaviour

Optional modules - maximum of eight
Choice from around 50 modules including: Economics, Entrepreneurship, Finance, Governance, Human Resources, Marketing, Strategy

BEng Engineering Business Management
Year three

Individual Project, Quality Techniques, Supply Chain Management

Engineering optional modules - two from the following:
Automation and Robotics, Design for Vehicle Safety, Design for Manufacture, Industrial Engineering

Business optional modules - two from the following:

“I’m passionate about Engineering and Business and this course gave me the opportunity to study in two prestigious departments at Warwick. Over the first two years I gained a great insight into different streams of engineering, which has been followed by a wide variety of modules in the third year. It has been particularly exciting to learn diverse subjects such as European law and about taxation alongside engineering. With an overview of both engineering and business, my degree has given me a wide variety of career opportunities in many different industries and the ability to succeed.”

Ghassan Awdi
Engineering and Business Studies
MEng electives

We offer a choice of five electives (each made up from three modules), which are linked to areas of teaching and research expertise at Warwick.

The elective title can be added to your final degree title to differentiate yourself from other graduates. e.g. MEng Civil Engineering with Sustainability. Alternatively you can take individual modules from any of the electives.

If you have taken ‘an intercalated year’ in industry or ‘a year in research’ and extended your degree to five years, you may add this to your degree title instead.

### MEng electives

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<th>Automotive Engineering</th>
<th>Business Management</th>
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<th>Fluid Dynamics</th>
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**Business Management**

Career progression within the engineering profession will require you to become involved in planning and co-ordinating with other business functions such as purchasing, quality, marketing and finance. This planning and co-ordination is vital to ensure that the products meet the ever more stringent customer requirements. This elective is suited to students from any of the engineering disciplines. The business management modules will draw on the material developed for WMG’s MSc courses in areas such as Engineering Business Management and Supply Chain and Logistics Management.

The modules forming this elective are:

Quality Systems, Simulation of Operations and Supply Chain Management.

**Communications**

In recent years, the most significant improvements in our everyday life have been within the electronics field. Communications is the fastest growing sector of the electronics industry and offers tremendous opportunities and employment prospects. The Information and Communications Technologies research group at Warwick has worked on improving protocols for ad hoc wireless systems, analysis of the security of these systems and on improving the design of optical antenna to capture infrared energy more efficiently than lenses.

The modules forming this elective are:

Optical Communications Systems and Wireless Communications, Signal and Image Processing.
Fluid Dynamics
Aerodynamics and computational fluid dynamics (CFD) have applications throughout engineering, for example the design of car bodies and aircraft wings; modelling air flow within, and around, buildings or investigating the flow of dog food through pipes during production. The list is almost endless!

This elective draws on the research and teaching of Warwick’s Fluid Dynamics Research Centre - one of the largest groups of its kind in the UK. The Centre promotes interdisciplinary research through the collaboration of engineers, mathematicians and physicists.

Not all modelling is computer based; the centre also builds equipment to conduct research. Knowing about the ideas behind the research will give you a head start for a career in many important industry sectors.

The modules forming this elective are:
Advanced Fluid Dynamics, Computational Fluid Dynamics and Optical Engineering.

Robotics
Robots are becoming increasingly sophisticated; before long they will no longer be confined to industry, but be mass-produced consumer goods. Robotics needs many different types of engineers working together to ensure a successful product. Electronic engineers are required for control, mechanical to move, software for ‘intelligence’ and manufacturing to work on the application of robots to make products or creating the actual robots. This elective equips you with the necessary skills and know-how to pursue a career working towards creating new and better robots.

The modules forming this elective are:
Advanced Robotics, Dynamic Analysis of Mechanical Systems and Simulation of Operations.

Sustainability
Modern industrial activities may consume an enormous amount of natural resources and create large volumes of waste material; a situation that is no longer sustainable. All engineering disciplines are now concerned with minimising this wastage and in assessing the true cost of a project for the planet as well as for current and future generations. Many large companies have departments solely for this purpose.

Sustainable development is a key national and international policy that requires companies to minimise the environmental impact of their projects and to inform the initial design process. Research activities in the School of Engineering focus on three interacting areas: pollutant control, whole life cycle design and resource and energy optimisation.

The modules forming this elective are:
Student projects

Throughout your degree at Warwick there will be many chances to take part in projects.

The transferable skills you will learn in these multidisciplinary group projects are important for a professional career, where teamwork and collaboration are the norm. Some of these projects operate like a business, where you will approach companies to secure sponsorship (in kind/parts or monetary) to allow the project to progress.

First year
During your first year you will undertake a range of small projects from ‘reverse engineering’, to design-and-make challenges on topics including: home automation; light rail transit; car aerodynamics or intelligent robot vehicles. These projects introduce you to industry standard software such as SolidWorks and Dymola.

Second year
As a second year student, you will extend your design knowledge by participating in a large group-based design-and-make task. You might design instrumentation that is placed in the nose cone of a proprietary rocket. The electronics will measure pressure, acceleration and orientation as the rocket is fired from its launch site. You will have the opportunity to launch your own rocket, before evaluating the data that is recorded by the on-board instruments.

Third year
During your third year you will undertake an individual project related to your degree, specialising in one particular area. This may be linked to our research activities or be in conjunction with an external company. Other individual projects support the fourth year group projects, for example designing a component for the Formula Student racing car.

Fourth year
If you decide to continue your studies to MEng level, you will participate in a large group project worth 25% of the year. We run over 20 projects each year, which simulate the multidisciplinary working practices you may experience after graduation. Warwick benefits from being a unified department, meaning you work with students from all specialist courses to achieve a common goal.

Warwick University Satellite
This year, the Warwick University Satellite (WUSat) team successfully launched a small satellite into space. The team joined forces with the European Space Agency and used their rocket to send the satellite into space from Sweden. During its descent, the communications system powered up and data signals were received back at the ground station. It is hoped that future teams will launch a satellite into a low-earth orbit (possibly from the International Space Station) within the next two to three years.

Warwick Submarine
The project team design and build a race-worthy human-powered submarine to compete in an international competition. The students will compete against universities from UK, Europe, Asia and North America on straight-line and slalom courses, to prove their speed, agility and innovation.

These are just a couple of examples, our groups projects also include Formula Student, Warwick Mobile Robotics and Warwick Rail Challenge.
Research

In the past 50 years, we have earned an enviable reputation for the wide-reaching impact of our research. Our many undergraduate research opportunities enable you to push the limits of your own academic curiosity, with support from some of the world’s top academics.

Pioneering non-invasive procedures to detect cancer; increasing performance of silicon photovoltaics to provide lower cost electricity; proving a murder case using 3D scanning technology; and building the world’s first totally sustainable F3 car. These are just a handful of recent engineering breakthroughs made by Warwick academics.

The academics who will teach you work at the forefront of their subjects and are making internationally significant advances, so you’ll encounter the latest thinking and the most up-to-date knowledge while you study at Warwick. We are ranked 3rd overall amongst UK integrated engineering departments in the 2014 Research Excellence Framework (REF) and we are justifiably proud of our research-teaching links.

Get involved

By choosing Warwick, you will be joining an academic community that is creating knowledge, and you can play a part in that process. All our undergraduate courses offer opportunities for research project work. For those undertaking an MEng, you can also participate in cutting-edge research for a whole year, adding an extra dimension to your studies and allowing you to follow your curiosities beyond the curriculum. These opportunities enable you to develop valuable skills that you can transfer into the workplace or use in further study.

International collaboration

Warwick’s global connections mean that you can collaborate with students and academics from top overseas universities to broach new areas of research. In 2012, Warwick and Monash University in Australia launched a joint academic journal, run and edited by undergraduate students from both universities. Reinvention: an International Journal of Undergraduate Research showcases the best undergraduate research from around the world, giving you the opportunity to have your work peer reviewed by academics.

The Monash-Warwick Alliance also funds and facilitates the International Conference of Undergraduate Research (ICUR), an event which uses the latest video conferencing technology, bringing together students from all over the world to celebrate and share undergraduate research.

As a speaker, you can seek critical yet supportive feedback on your own research projects. As an audience member, you can join a global community of undergraduate researchers united by common excellence and a passion for critical inquiry.

Industry links

Many leading UK and international companies invest heavily in Warwick’s research expertise. This investment means that we can continue to improve our learning and research facilities. Some companies also offer their own opportunities for you to get involved in research. For example, an eight-week summer internship scheme run by WMG (Warwick Manufacturing Group) gives Engineering undergraduates experience of working with global companies to develop solutions to real-world problems.
Applying to us

All applications, whether from UK residents or from overseas, are made online through the Universities and Colleges Admissions Service (UCAS). If you have any enquiries, you can call UCAS on 0871 468 0 468. Our institution code is W20.

ucas.ac.uk

Entry requirements

Our 2016 offer levels for those studying A levels are AAB for BEng/BSc and AAA for MEng. All applicants are given individual consideration. Refer to our website for offer levels on a range of qualifications.

warwick.ac.uk/engineering/ug

Academic qualifications

Candidates are expected to offer three A level (or equivalent) subjects (excluding General Studies and Critical Thinking), which should normally include both Mathematics and Physics.

We will consider strong, motivated candidates for entry into year one who have either Mathematics or Physics at A level and who have demonstrated their aptitude for both these subjects at a lower level, such as GCSE or AS level.

We will accept applications from those offering equivalent qualifications and are happy to give advice in advance of an application, to those who are uncertain as to whether they satisfy our entry criteria.

warwick.ac.uk/engineering/ug

International students

There are around 6,400 international students from more than 145 different countries studying at Warwick. Our overseas students are offered a superb level of support through the University’s International Office. From running a network of overseas representatives to attending recruitment events all over the world, the International Office is available to give you all the information you need before choosing Warwick. The International Office also runs its own scholarship programme to assist students applying from overseas.

warwick.ac.uk/international

The highlight of Warwick’s international student calendar is One World Week, the world’s largest student-run international event. The week celebrates culture, diversity and internationalism through a series of debates and discussions, parades and performances, sports and events.

oneworldweek.net

Language requirements

If your academic qualifications meet our admissions requirements, but your English language qualifications are not accepted as equivalent to GCSE or International Baccalaureate English, you may be offered a place on condition that you achieve an acceptable qualification before you join us.

If English is not your first language:

- IELTS 6.0, including minimum 5.5 in each component
- TOEFL 87 internet-based with a minimum of 21 in listening and writing, 22 in reading and 23 in speaking
- PTE Academic 60 with no less than 59 in any component

elts.org | ets.org | pearsonpte.com cambridgeesol.org

Visiting us

Applicants who live in the UK are strongly encouraged to visit us to meet students and staff and learn more about life at Warwick, our facilities and the course content.

Before you apply you can visit Warwick via our University-wide Open Days, held in June and September each year, which include engineering talks and an opportunity to see the engineering facilities. We also have a number of Engineering Visit Days from March to September.

warwick.ac.uk/opendays
warwick.ac.uk/engineering/ug/visit

After an application is made all Engineering offer holders resident in the UK will be invited to an admissions day. You will spend the day with a current engineering student and receive a presentation about the course, a tour of our facilities, a campus tour and a chance to experience life as a student via a laboratory session.

Further information

If you would like any further information, or have any questions, please contact our admissions secretary on +44 (0)24 7652 4129 or engadmissions@warwick.ac.uk

warwick.ac.uk/engineering/ug
Frequently Asked Questions

What are the advantages of having an MEng compared with a BEng?
The MEng degree is a year longer than the BEng and gives you the benefit of advanced skills and knowledge, which are always appealing to employers. The MEng and BEng courses are the same for the first two years, but different topics are covered in the MEng course from year three onwards. Whilst both courses include group work in years one and two, 25% of the final year of the MEng is made up of a multi-disciplinary group project. This is unique to the four-year MEng and not something that you would normally find as part of a one-year stand-alone Masters course. As well as improving your job prospects in an increasingly competitive market, the MEng is also the premier route to achieving Chartered Engineer status. MEng students therefore have a head-start in terms of their career development.

What does it mean to be a Chartered Engineer?
A Chartered Engineer is officially registered with the UK’s Engineering Council. To achieve this status an engineer has to demonstrate the required professional competences and commitment through education and working experience. You must also be a member of a licensed professional engineering institution such as ICE, IET, IMechE, IStructE. Chartered status is an indicator of your level of competence and your on-going commitment to professionalism. Attaining Chartered status can have a major benefit on your employment prospects and salary.

Is it possible to transfer from a BEng to an MEng?
Yes. To allow students to benefit from the advantages of the MEng, transfer is encouraged for those who have met the prescribed academic standards at the end of the second year.

Where can I find you in the league tables?
Our engineering courses all have a common first and second year, no matter which you apply for. You will therefore only find us in the league tables under ‘General Engineering’. We are consistently in the top ten – testament to the fact that our flexible, multidisciplinary approach will equip you with the transferable skills needed for your future career. Warwick is also the top university targeted by recruiters looking for exceptional graduates.

Is there any funding available?
In addition to the scholarships and bursaries available to all UG students at Warwick, we provide all first year engineering students with their essential textbooks and equipment free of charge.

The department offers 20 merit scholarships, each worth £1,000 for gifted and talented students in their first year of study. To be eligible, you must have made us your first (firm) choice. This scholarship is available to all applicants. Please refer to our website for further details.

[warwick.ac.uk/engineering/ug](warwick.ac.uk/engineering/ug)

The latest advice on potential funding opportunities for UK, EU and international students can be found online.

[warwick.ac.uk/ug/studentfunding](warwick.ac.uk/ug/studentfunding)
[warwick.ac.uk/scholarships](warwick.ac.uk/scholarships)

Do you run taster sessions?
We run a number of taster courses aimed at different year groups. For example we offer a Headstart course for UK’s year 12 pupils in conjunction with the Engineering Development Trust.

Will I definitely get accommodation on campus?
If you hold us as your firm choice and have applied for accommodation online by 31 July 2016, you will be guaranteed a place in University accommodation for your first year.

Are there any temporary employment opportunities?
There are many opportunities on campus for part-time and vacation work, including the Students’ Union, Warwick Arts Centre and helping Engineering on open days. The University also has its own temporary employment agency for students and graduates.

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