

UK DEGREE APPLICATIONS MADE EASY

# MABECS *QuickGuides*



ALL YOU NEED TO KNOW ABOUT

# Mechanical Engineering

SPECIALLY CURATED FOR YOU BY



BEFORE WE GO FURTHER...



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Our service is free of charge.

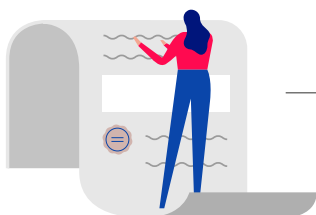


To find out more about MABECS' history and services, turn to the inside back cover.  
To reach a MABECS education advisor, call or WhatsApp us at 603-7956 7655  
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# From enquiry to successful student placement, **we take care of it all.**

## 1 Advice & guidance

Find guidance on the right course and university including rankings, research ratings, entry requirements, and more.



2

## Application

Our experienced UK education advisors will advise you on the required documents and relevant procedures. Note that the application method is different from the postgraduate level.



3

## Test Preparation & Mock Interviews

We provide assistance for LNAT, BMAT, UCAT and others tests that might be required by UK universities. We also provide mock interviews for Medicine, Dentistry, Veterinary Science and Oxford & Cambridge.



4

## Air tickets & accommodation

Yes, we also help to provide guidance from flight bookings, visa applications and suitable accommodations to stay in.

# Study in the UK!

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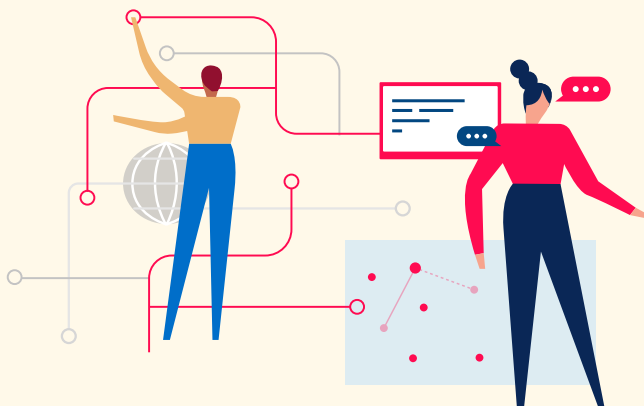
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# Have a different set of questions about studying in the UK?

Call or Whats App us\* at **603-7956 7655** to reach us immediately, or email **[enquiries@mabecs.com](mailto:enquiries@mabecs.com)** if you're the shy type.

\*Our education advisors have all been educated in the UK with over 10 years of experience in counselling. They help provide first-hand information on UK education as well as student life in the UK.



## DISCLAIMER

*The MABECS QuickGuides are for reference purposes only.*

*Course content, entry requirements, and tuition fees could change from time to time.  
You're advised to check the specific university website for the latest information.*

01



**GET TO KNOW**  
**MECHANICAL**  
**ENGINEERING**

# Introduction

This is one of the most wide-ranging engineering disciplines of all, covering almost anything that is made: from a diesel locomotive to a screw. There are several broad specialised areas including Automotive Engineering, Aerospace Engineering, Manufacturing Engineering and Systems Engineering, because if it is made and it moves it is to do with Mechanical Engineering.

This booklet concentrates on degrees entitled Mechanical Engineering, and on other specialist degrees that can be chosen from a Mechanical Engineering start. So it includes some Aerospace, Automotive, Manufacturing and similar degrees as long as the degree can be achieved by initially studying Mechanical Engineering.

All the degrees included have been accredited by the IMechE, the Institute of Mechanical Engineers. However, you are advised to check <http://www.engc.org.uk/education-skills/course-search/acad/> as well as the universities' website for the latest information.

After accreditation, you should consider degree programme structures, work placements, entrance qualifications, degree content, location, cost of fees and living. These will be discussed in the following pages and MABECS counsellors can give you up-to-date information on this.



## Course Organisation

There are 3 different structures leading to Mechanical Engineering Degrees.

- Some degrees have an Engineering start.
- Many degrees start with an initial broad Mechanical Engineering programme leading to choices of specialised degrees.
- Some degree programmes have a named single degree from the start.

The broadest approach is that of Aberdeen, Cambridge, Durham, Exeter, Leicester, Oxford, Sussex and Warwick with a first year covering all major branches of engineering, (Civil, Electrical, Electronic, Mechanical, Systems) and then allowing choice, eventually leading even to a specialised degree in a branch of Mechanical Engineering.

The most common structure is the initial Broad Mechanical structure with a first year giving a strong broad base in mechanical aspects of engineering, allowing a wide choice of specialised-named degrees in the second year. Mechanical Engineering being such a wide subject, the specialisations vary according to the university's expertise.

Finally, several universities offer a single degree in Mechanical Engineering, without any specialisation being included in the name of the degree. The degrees are general studies of Mechanical Engineering, but there are choices of modules in the final year giving some specialisation.

You should study the university's programmes carefully, and work out what choices attract you most, but avoid committing yourself to a specialised degree until you know your own skills and interests.



# Course Content

Mechanical Engineering is indeed a wide-ranging subject area but there are the usual choices in degree structure between degrees which are initially very wide; and then there are also degrees that do not appear to offer much opportunity for choices as one's understanding and knowledge develop. But even a degree entitled "Mechanical Engineering" with no alternative for change, has a range of final year modules.

University websites have good information about final year modules in Mechanical Engineering. This can give you a good flavour about the expertise and research on specific areas within Mechanical Engineering, offered at the university.

Many universities have an optional sandwich year, meaning that after completing the second year of the course you can spend the next year working in the Mechanical Engineering industry, under university supervision. The university supervision assures you that your work will be appropriate and not just labour. You will gain an insight into the application of the Mechanical Engineering you have studied. Many internationally recognised companies have these work placement programmes. This experience gives focus to your studies, and as a result, sandwich course students generally achieve higher degree grades than those who have not had this experience. Sandwich students also have a clear advantage over others in getting employment after graduation.



02

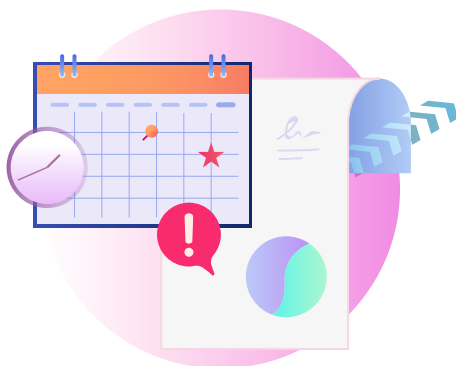


**APPLYING FOR  
MECHANICAL  
ENGINEERING**

## How it works

Applications for undergraduate degrees for most of the UK universities go via UCAS. You will need to register and complete the UCAS form, with payment, by the set deadline. Colleges will usually set internal deadlines for their students. With the exception of Oxford and Cambridge, the UCAS deadline for competitive universities is January 14, 2026.

The final deadline to submit a UCAS application is June 30.



## Course Codes & Fees

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
<b>University of Aberdeen</b>	MEng Mechanical Engineering (H305)	5 years (Scottish University)	24,800	A Levels: ABB with Maths and one from Physics or Chem.	The first two years cover general Engineering, with elements of Chemical, Mechanical, Petroleum and Electrical/Electronics, as well as Civil. In the later years you specialise, following your chosen discipline in greater depth. You do not need to finalise your choice of specialisation until you begin third year.
	MEng Mechanical Engineering with Management (H3N2)			IB: 34 points including Maths and Physics at HL (6 or above) and English at SL.	
	MEng Mechanical Engineering with Subsea Technology (H309)				
<b>Aston University</b>	MEng Mechanical Engineering (H301)	4 years  5 years (SW)	21,500	A Levels: BBC including Maths and one other STEM (a) subject BCC including Maths and one other STEM (a) subject (with an EPQ or Core Maths* at grade B) CCC when including Maths and one other STEM (a) subject (contextual offer)  IB: 31 points with 5, 5, 5 in HL subjects including Maths and Physics at HL grade 5.	The flexible structure of our degrees enables transfer between Mechanical and Design Engineering programmes after first year. However, only the Mechanical Engineering programme runs to MEng (masters) level. You can also transfer between full-time and placement programmes up to the end of your second year.

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
<b>University of Bath</b>	MEng Mechanical Engineering (H306)	4 years	30,500	<p>A Levels: A*A*A A*A*A in three A levels including A* in Mathematics and A in Physics.</p> <p>IB: 36 points overall and 7, 7, 6 in three HL subjects including 6 in Physics and 7 in either HL Mathematics.</p>	<p>Your first two years give you a detailed understanding of mechanical engineering. You'll learn how to incorporate design into the science, manufacturing and management elements of engineering. You can apply this knowledge to analyse, build and test a product from scratch.</p> <p>A wide selection of optional units lets you choose where you want to specialise in your final year. These include aerospace, automotive, design, manufacturing, environmental or medical engineering. The wide-ranging engineering curriculum develops your professional skills to pursue a career in a host of industries.</p>
	MEng Aerospace Engineering (H400)	5 years (SW)			
	MEng Integrated Design Engineering (H761)				
	MEng Mechanical Engineering with Manufacturing and Management (H716)				
	MEng Mechanical with Automotive Engineering (H330)				
<b>University of Birmingham</b>	MEng Mechanical Engineering (H301)	4 years	29,560	<p>A Levels: AAA to inc Maths.</p> <p>IB: 6,6,6 HL, to include Maths with a minimum of 32 points.</p>	<p>Shared first year across disciplines of Civil, Mechanical and Electronic, Electrical and Systems Engineering allowing students to gain foundations of understanding in all three areas.</p>
	MEng Mechanical and Materials Engineering (HJ53)	5 years (SW)			
	MEng Mechanical Engineering (Automotive) (H330)				
	MEng Mechatronic and Robotic Engineering (HH63)				
<b>University of Bradford</b>	MEng Mechanical Engineering (H305)	4 years  5 years (SW)	24,456	<p>A Levels: BBC, to include Maths C</p> <p>IB: to include HL Maths 5 &amp; HL 3 or SL 4 in English Language and Literature A or English B.</p>	<p>Final year options include:</p> <p>Risk Assessment &amp; Management</p> <p>Polymer &amp; Materials Engineering</p> <p>Supply Chain Management &amp; Production</p> <p>Vehicle Powertrain &amp; Dynamics</p> <p>Automotive Tribology &amp; Noise</p> <p>Vibration &amp; Harshness</p>

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
University of Brighton	MEng Mechanical Engineering (H302)	4 years 4 5 years (S/W)	17,250	A Levels: ABB–BBC (128–112 UCAS Tariff points) to inc Maths and a physical science.	You will explore fundamental mechanical engineering topics through a shared first year with our automotive and aeronautical engineering courses.
	MEng Aeronautical Engineering (H416)			IB: 28 points, with three subjects at HL. HL subjects must include Maths & Physics at grade 5.	In your second year, you will explore various aspects of mechanical engineering such as engineering design, and dynamics and control.
	MEng Automotive Engineering (H335)				
University of Bristol	MEng Mechanical Engineering (H300)	4 years 4 5 years (SW)	30,400	A Levels: A*AA incl A*A in Math and any one of Physics, Chem, Further Maths or Computer Science	During this course, you will study units from the mechanical and electrical disciplines along the following themes: design and integration of electro-mechanical systems; energy conversion and actuation systems; embedded systems and control; power electronics and electric drives; and energy management.
	MEng Mechanical and Electrical Engineering (H360)			IB: 38 points with 18 at HL, inc 7,6 in any order at HL in Maths and any one of the Phy, Chem, Further Math or Com Sc.	
Brunel University London	MEng Mechanical Engineering (H301)	4 years 4 5 years (SW)	24,795	A-levels: AAA–AAB including grade A in Maths and grade B in one of the following subjects; Physics, Chem, Bio, Env Sci, Computer Sci, Electronics, or Design and Technology.	As with our Mechanical Engineering BEng degree, you'll get a thorough grounding in the core principles of engineering science including solid body mechanics, thermodynamics and materials science as well as in the fundamentals of product design, development and manufacturing.
	MEng Automotive Engineering (HHH0)			IB: 31 points, including 6 in HL Maths (Analysis and Approaches) and Higher Level 5 in one of the following subjects; Physics, Chemistry, Biology, Computer Science, Geography or Design Technology. GCSE English equivalent SL 5 or HL 4 and Mathematics SL 2 or HL 2.	You'll also get training in related disciplines integral to the profession such as computing, electrical engineering and electronics.  And, as mechanical engineers not only design exciting products but venture into managing projects and companies, you'll study elements of management, ethics, finance and law.

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
<b>University of Cambridge</b>	MEng Engineering (H100)	4 years	41,124	A Levels: A*A*A Maths & Physics required.  IB: 41-42 points, with 776 at HL including HL Maths & Physics	The Cambridge Engineering course is unique. It allows you to keep your options open while equipping you with all the analytical, design and computing skills that underpin modern engineering practice.  Part I (Years 1 and 2) provides a broad education in engineering fundamentals, enabling you to make a genuinely informed choice about the area in which to specialise from your third year (many students change direction as a result). Part II (Years 3 and 4) then provides in-depth training in your chosen professional discipline.
<b>Cardiff University</b>	MEng Mechanical Engineering (H302)  MEng Medical Engineering (H1BV)  MEng Integrated Engineering (H113)	4 years  5 years (SW)	29,450	A Levels: AAA-ABB. Must include grade A in Maths.  IB: 36-32 overall or 666-665 in 3 HL subjects. Must include grade 6 in HL Maths.	Teaching is through lectures, examples classes and extensive laboratory, IT and practical work. The taught modules in the first two years are largely compulsory, but options are usually available in years three and four. All students must complete a 30-credit individual project in year three, for which they are allocated a supervisor from among the teaching staff. There are opportunities for interactions with potential employers.

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
<b>City St George's, University of London</b>	MEng Mechanical and Design Engineering (H352)	4 years 5 years (SW)	23,100	A Levels: BBB (inc Maths).  IB: 30 points with 'HL Mathematics at grade 5' OR 'SL Mathematics at grade 7 AND HL Physics/Biology/Chemistry at grade 5' and minimum of grade 5 in SL English	
	MEng Aerospace Engineering (H426)				
	MEng Engineering (H102)				
<b>Coventry University</b>	MEng Mechanical Engineering (H300)	4 years 5 years (S/W)	19,850	A Levels: BBB to include Mathematics and one from Physics, Chemistry, Design Technology, Biology, Further Maths, Electronics, Engineering or BTec Certificate in Engineering; Excludes General Studies.  IB: 31 points to inc Maths & either Physics, Chem, Design Tech, or IT at HL.	
	MEng Automotive Engineering (H343)				
	MEng Motorsport Engineering (H335)				
<b>Durham University</b>	MEng Mechanical Engineering (H311)	4 years	33,250	A Levels: A*AA inc Maths & Physics.  IB: 38 with 666 in HL subjects inc Maths & Physics.	The MEng Engineering degree is a four-year first degree that delivers the breadth and depth that you will need in the world of engineering. It is designed to produce graduates who will go on and lead engineering teams. Your first two years offer you a broad-based engineering education. You are then able to specialise in your third and fourth years.
	MEng General Engineering (H100)				
<b>University of East London</b>	MEng Mechanical Engineering (Integrated Master's) (H101)	4 years	15,560	A Levels: 120 new UCAS points inc passes at A2 in at least two subjects. Must include Maths & Physics or Electronics.  IB: 24 points including a minimum of 16 points at HL, must inc Mathematics and Physics at HL	



Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
<b>The University of Edinburgh</b>	<p>MEng Mechanical Engineering (H303)</p> <p>MEng Electrical and Mechanical Engineering (HHH6)</p> <p>MEng Engineering (H100)</p>	5 years (Scottish University)	36,800	<p>2<sup>nd</sup> year entry: A Levels: A*AA to inc Maths &amp; either Physics, Engineering, or Design &amp; Tech (excluding Food Tech), or AAA to inc Maths, Further Maths &amp; either Physics, Engineering, or Design &amp; Tech (exc Food Tech).</p> <p>IB: 38 points with 666 at HL to inc Maths (from 2021, Maths: Analysis &amp; approaches only) &amp; Physics or Design &amp; Tech 6.</p> <p>1<sup>st</sup> year entry: A Levels: AAA - ABB to inc Maths &amp; either Physics, Engineering, or Design &amp; Tech (excluding Food Tech), or AAA to inc Maths, Further Maths &amp; either Physics, Engineering, or Design &amp; Tech (exc Food Tech).</p> <p>IB: 37 points with 666 - 32 points with 555 at HL to inc Maths (from 2021, Maths: Analysis &amp; approaches only) &amp; Physics or Design &amp; Tech 5.</p>	
<b>Edinburgh Napier University</b>	MEng Mechanical Engineering (H301)	5 years (Scottish University)	19,340	<p>2<sup>nd</sup> year entry: A Levels: ABB including Maths and a Science (excluding Biology) or Technical Subject*</p> <p>1<sup>st</sup> year entry: A Levels: BCC including Maths and a Science (excluding Biology) or Technical Subject*</p> <p>IB: 29 points with 655 at HL subs including a Science (excluding Bio) or Technical Subjects</p>	

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
University of Exeter	MEng Mechanical Engineering (H302)	4 years 5 years (SW)	30,900	<p>A Levels: AAA with Maths A &amp; another science at A.</p> <p>IB: 36/666 with Maths HL6 and another science HL6. Applicants achieving IB Maths SL7 plus IB HL6 in Physics will also be considered.</p>	<p>A collaborative first year lets you explore other core engineering disciplines alongside Mechanical Engineering</p> <p>Assessment Methods:</p> <p>Year 1 Exams 58% Practical 5% Essays and Coursework 37%</p> <p>Year 2 Exams 52% Practical 0% Essays and Coursework 48%</p> <p>Year 3 Exams 24% Practical 4% Essays and Coursework 72%</p> <p>Year 4 Exams 25% Practical 0% Essays and Coursework 75%</p>
	MEng Engineering (H104)				
University of Glasgow	MEng Mechanical Engineering (H302)	5 years (Scottish University)	31,800	<p>A Levels: AAA (A Maths &amp; Physics).</p> <p>IB: 38 points with Maths &amp; Physics -6,6,6 in HL)</p>	
	MEng Aeronautical Engineering (H410)				
	MEng Aerospace Systems (H401)				
	MEng Mechanical Design Engineering (HHJ7)				
	MEng Mechanical Engineering with Aeronautics (H3HK)				
	MEng Mechatronics (H731)				

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
<b>Glasgow Caledonian University</b>	MEng Mechanical Systems Engineering (H361)  MEng Computer-Aided Mechanical Engineering (H132)	5 years (Scottish University)	15,200	A Levels: CCC in Maths and a Science (year 1 entry).  IB: 25 points including Maths plus a Science or Technology subject (year 1 entry).	
<b>University of Greenwich</b>	MEng Mechanical Engineering (H304)	4 years  5 years (S/W)	17,500	A Levels: 120 UCAS points inc Mathematics at grade C and one of the following STEM subject at grade C.  IB: 26 points overall including HL Mathematics at grade 5 and one of the following STEM subject at grade 5.  Accepted STEM subjects: Further Mathematics, Statistics, Physics, Design Technology, Chemistry, Engineering Science, Computer Science, Biology, Electronics, Environmental Science, Geology, and Economics.	
<b>Heriot-Watt University</b>	MEng Mechanical Engineering (H301)  MEng Mechanical Engineering and Energy Engineering (HH38)  MEng Robotics, Autonomous and Interactive Systems (H671)	5 years (Scottish University)  6 years (S/W)	25,008	Year 2 entry: A Levels: AAB (inc Maths & Physics).  IB: 34 points (inc Maths and Physics at HL 6).  Year 1 entry: A Levels: BBB- AAB. (Inc Maths and Physics, with both achieved at B.  IB: 30 points (inc Maths and Physics at HL 5).	Inter-campus transfer between Malaysia & UK possible, for a semester a year or longer.

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
<b>University of Hertfordshire</b>	MEng Mechanical Engineering (H301)	4 years 5 years (S/W)	15,965	A Levels: ABB–AAB Requires Maths & Physics or Technology or Engineering based subjects.  IB: 128–136 points: Minimum of 3 HL subjects at grade 5 or above to inc HL Maths and Physics	
	MEng Automotive Engineering (H341)				
	MEng Automotive Engineering with Motorsport (H336)				
<b>University of Huddersfield</b>	MEng Mechanical Engineering (H303)	4 years 5 years (S/W)	17,600	A Levels: AAB–ABB inc A2 Maths & at least one other Science/Tech subject (or equivalent qualifications).  IB: 136–128 UCAS tariff points which must inc HL Maths & another HL Science/Technology subject.	
	MEng Automotive and Motorsport Engineering (H332)				
	MEng Energy Engineering (H221)				
<b>Kingston University</b>	MEng Mechanical Engineering (H303)	4 years 5 years (S/W)	18,500	A Levels: 128–144 UCAS Tariff points with Maths & two science subjects.	
	MEng Mechanical Engineering (Automotive) (H323)				

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
Lancaster University	MEng Mechanical Engineering (H303)	4 years	29,820	A Levels: AAA with Maths and a Physical Science: Physics, Chem, Electronics, Computer Sci, Design & Technology or Further Maths.	In the modern world, Mechanical Engineers are part of small or large teams developing complex systems. Our common first year is tailored to equip you with the required broad fundamental knowledge. You will study themes from within mechanical engineering, but also the fundamentals behind electrical, electronics and chemical processes, along with a solid foundation in engineering mathematics.
	MEng Mechatronic Engineering (HHH6)			IB: 36 points with 16 points from the best 3 HL subjects including either:	
	MEng Engineering (H102)			Maths HL 6 (either pathway) plus HL 6 in a Physical Science. Maths HL 6 (either pathway) plus SL 6 in two Physical Sciences. Maths SL 7 (Analysis and Approaches) plus HL 6 in a Physical Science.	
University of Leeds	MEng Mechanical Engineering (H300)	4 years	32,250	A levels: A*AA inc Maths & Physics, where the A* must be in either Maths or Physics.	The first two years of our degree courses share the same set of compulsory modules, giving you the flexibility to switch between our different degrees. In Years 3 and 4 you'll take modules in your chosen specialism.
	MEng Aeronautical and Aerospace Engineering (H410)			IB: 36 points, with 18 at HL to include 6 in HL Maths & Physics or Chemistry.	
	MEng Automotive Engineering (H330)				
	MEng Mechatronics and Robotics (HH36)				
	MEng Medical Engineering (HHH6)				

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
University of Leicester	MEng Mechanical Engineering (H305)	4 years 5 years (S/W)	24,500	A Levels: ABB including Maths. Two AS-levels considered in place of one A-level. IB: 30 points, inc 5 in Maths & Physics at HL. Minimum of 4 in English Language required if grade C/4 not held at GCSE.	All engineers require an excellent knowledge of basic engineering principles, which is why 75% of our first year is common for all our subjects.  Three of our Engineering subjects (Aerospace, General and Mechanical) share the exact same first year. This means that you can switch between any of these degrees during your first year (but not to Electronic and Electrical which is more specialised).
	MEng Aerospace Engineering (H401)				
	MEng General Engineering (H105)				
University of Lincoln	MEng Mechanical Engineering (H300)	4 years	17,900	104 UCAS Tariff points from a minimum of 2 A Levels to include 40 points in Maths.  IB: 28 points overall to include a HL 5 in Maths.	Founded in collaboration with Siemens, the University of Lincoln's School of Engineering has a core philosophy of research-led teaching. Our innovative industrial collaborations have led to a generous programme of bursaries and workplace experience opportunities. The University is also one of a select group of Siemens' Global Principal Partners.
Liverpool John Moores University	MEng Mechanical Engineering (H301)	4 years 5 years (S/W)	18,250	A Levels: ABB-AAB, Grade B from Maths and a Grade B from one of the following: Physics, Chemistry, Computing, Further Maths, Electronics or Engineering.  IB: 128 UCAS tariff points inc a minimum score of 6 in HL Maths and 6 in HL Physics.	
	MEng Marine and Mechanical Engineering (H390)				

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
<b>University of Liverpool</b>	MEng Mechanical Engineering (H301)  MEng Mechatronics and Robotic Systems (HH76)	4 years  4 5 years (S/W)	29,100	A Levels: AAB including Mathematics and a second science.  IB: 35, inc 5 at HL Maths & Physics.	Years One and Two of our programmes are designed to provide students with fundamental knowledge of engineering science in subjects such as thermodynamics; fluid mechanics; solid mechanics; dynamic systems; materials and electronics and mathematics. It is this scientific understanding that underpins the practice of all professional engineering. Students also learn about project management, computer programming, and engineering design. Lecturebased learning is complemented by a wide range of laboratory work, practical challenges, teambased 'design-build-test' projects, site visits and other activities.
<b>Queen Mary, University of London</b>	MEng Mechanical Engineering (H301)	4 years  5 years (S/W)	29,950	A Levels: AAA to inc Maths, & Physics or Chem.  IB: 36 points, inc 6,6,5 from three HL subjects. This must include Maths at HL, & either Physics or Chem, also at HL.	

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
<b>Imperial College London</b>	MEng Mechanical Engineering (H301)	4 years	43,300	<p>A Levels: A*A*A or A*AAA overall, to inc:</p> <p>Three A-levels: A* in Maths, A* in Physics &amp; A in another subject (Further Maths is useful but not essential).</p> <p>Four A-levels: A* in Maths, A in Physics &amp; A in another two subjects (Further Maths is useful but not essential).</p> <p>IB: 40 points with 7 in HL Maths and 7 in Physics</p>	<p>Please tell us in your personal statement about the things you have done to find out about mechanical engineering.</p> <p>In particular, describe any work placements, industrial visits, or relevant projects or hobbies.</p> <p>We are also interested in your general motivation as evidenced by extracurricular activities and part-time work, as well as your wider contribution to your school or community life.</p>
	MEng Mechanical with Nuclear Engineering (apply via H301)	5 years (S/W)			
<b>University College London</b>	MEng Engineering (Mechanical) (H301)	4 years	39,800	<p>A Levels: A*AA with Maths &amp; Physics required. A* must be in one of the required subjects. Further Maths, Econs or Design &amp; Technology preferred as third subject, but not essential.</p> <p>IB: 39 with a score of 19 points in three HL subjects inc Maths &amp; Physics, with no score lower than 5. HL 7 required in Maths or Physics. Econs preferred as third higher level subject, but not essential.</p>	University College London
	MEng Engineering (Mechanical with Business Finance) (H1NH)				



## SECTION N 2: APPLYING FOR MECHANICAL ENGINEERING

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
<b>Loughborough University</b>	MEng Mechanical Engineering (H303)	4 years	29,750	A Levels: A*AA inc Maths & Physics, with A* in either Maths or Physics. IB: 38 (7,6,6 HL) inc Maths & Physics at HL.	
	MEng Manufacturing Engineering (H701)	5 years (S/W)			
	MEng Product Design Engineering (HHC7)				
	MEng Robotics, Mechatronics and Control Engineering (H673)				
	MEng Mechatronic Engineering (HHH6)				
<b>The University of Manchester</b>	MEng Mechanical Engineering (H303)	4 years	32,500	A Levels: A*A*A in Maths, Physics and one other subject.  IB: 38 points with 7, 7, 6 at HL inc Maths & Physics	
	MEng Mechatronic Engineering (HHH6)	5 years (S/W)			
<b>Manchester Metropolitan University</b>	MEng Mechanical Engineering (2D86)	4 years	21,500	A Levels: 112 – 120 points inc Maths or Further Maths  IB: 26 inc HL in Maths and HL 4 or SL 5 in English	Assessment Methods:  Year 1 60% coursework; 40% examination Year 2 75% coursework; 25% examination Year 3 75% coursework; 25% examination Year 4 100% Coursework

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
<b>Newcastle University</b>	MEng Mechanical Engineering (H301)	4 years 5 years (S/W)	29,850	A Levels: AAB inc Maths & at least one of Physics, Chem or Further Maths.  IB: 34 points with Maths & at least one of Physics or Chem at HL 6 or above. Physics required at SL 5 or above if not offered at HL.	Assessment Methods: Year 1 Written Exams: 30% Coursework: 70% Year 2 Written Exams: 13% Coursework: 88% Year 3 Written Exams: 13% Practical Exams: 15% Coursework: 42% Year 4 Written Exams: 33% Practical Exams: 20% Coursework: 47%
	MEng Mechanical Design and Manufacturing Engineering (HH37)				
	MEng Mechanical Engineering with Biomedical Engineering (H3H8)				
	MEng Mechanical Engineering with Energy (H3H2)				
	MEng Mechanical Engineering with Mechatronics (H3H6)				
	MEng Sustainable Transport Engineering (H392)				
<b>University of Northampton</b>	MEng Mechanical Engineering (H308)	4 years	15,700	A Levels: BCC inc Maths & a Science at C or above.  IB: 25 points with Maths & a Physical Science at grade 5 or above at HL required.	Our engineering programmes have strong industry focus, aiming to build upon students' knowledge and experience to prepare them for employment or further study.

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
Northumbria University	MEng Mechanical Engineering (H304)	4 years	20,950	A Levels: 112 UCAS Tariff points with Maths & another analytical science subject (Bio, Chem, Computer Sci, Physics or Tech), or recognised equivalents.	
	MEng Automotive Engineering (H3P4)	5 years (S/W)			
	MEng Mechanical and Automotive Engineering (H8C4)				
University of Nottingham	MEng Mechanical Engineering (H300)	4 years	30,750	A Levels: A*AA / AAAB inc Maths and preferably Physics.  IB: 36 (6 in Maths Analysis & Approaches / Maths App & Interpretation or 7 in SL Maths Analysis and Approaches & 6 in HL Chemistry / Physics)	
	MEng Manufacturing Engineering (H707)	5 years (S/W)			
University of Oxford	MEng Engineering Science (H100)	4 years	59,260	A Levels: A*A*A to inc Maths & Physics. The A*'s must be in Maths, Physics or Further Maths.  IB: 40 (inc core points) with 776 at HL (with 7s in HL Maths & Physics).  All candidates must take the Physics Aptitude Test (PAT) as part of their application.	The first two years are devoted to topics which we believe all Engineering undergraduates should study. In the third and fourth years there is scope for specialisation into one of six branches of engineering: Biomedical, Chemical, Civil, Electrical, Information and Mechanical.
Oxford Brookes University	MEng Mechanical Engineering (H302)	4 years	17,750	A Level: BBB with B in Maths, & C in Physics, Chem, Electronics, Engineering or another suitable science.  IB: 28 points with 5 in HL Maths & Physics.	
	MEng Automotive Engineering (H341)	5 years (S/W)			
	MEng Motorsport Engineering (H337)				

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
University of Plymouth	MEng Mechanical Engineering (H304)	4 years	18,650	A Levels: 120 – 136 points including a C at Maths and a C at second relevant subject.	In Year 1, you'll acquire a sound foundation in design, mechanics, materials, electrical principles, thermofluids, mathematics and business, learning by active involvement in real engineering problems. You'll also undertake a hands-on module in manufacturing methods. Modules are shared with the BEng (Hons) Marine Technology and BEng (Hons) Mechanical Engineering with Composites.
	MEng Mechanical Engineering with Composites (H306)	5 years (S/W)		IB: 30-34 overall to inc 5 at HL Maths & 5 at HL science or a tech subject at HL. English & Maths must be inc.	
	MEng Marine Technology (J612)				
University of Portsmouth	MEng Mechanical Engineering (H304)	4 years	19,200	A Levels: ABB – BBB ; 120-128 points to inc a minimum of 3 A levels, or equivalent, with 40 points from Maths, plus two relevant subjects.	Year 1: 84% by written exams and 16% by coursework Year 2: 56% by written exams, 13% by practical exams and 31% by coursework Year 3: 60% by written exams and 40% by coursework Year 4: 42% by written exams, 5% by practical exams and 53% by coursework
		5 years (S/W)		IB: 29-30 points, to include 3 HL subjects, with 6 points from a HL in Maths, plus two relevant subjects at HL.	
Queen's University Belfast	MEng Mechanical Engineering (H303)	4 years	25,300	A Levels: AAA inc Maths & at least one from Physics (preferred), Bio, Chem or Further Maths.	
	MEng Product Design Engineering (H152)	5 years (S/W)		IB: 36 points, inc 6,6,6 at HL, inc Maths & Physics (preferred), Bio or Chem.	

## SECTION N 2: APPLYING FOR MECHANICAL ENGINEERING

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
<b>Robert Gordon University</b>	MEng Mechanical Engineering (H304)	5 years (Scottish University)	18,300	A Levels: BCC to inc Maths B plus either Physics, Design Tech or Engineering.	Assessment Typically, students are assessed each semester: 3 Written exams, average time of exam: three hours
	MEng Mechanical and Electrical Engineering (H300)			IB: 27 to inc HL Maths & Physics, one of which must be at 6 and one at grade 5. English is required at a minimum of SL 4.	
	MEng Mechanical and Offshore Engineering (H351)				
<b>The University of Sheffield</b>	MEng Mechanical Engineering (H300)	4 years	30,570	A Levels: A*AA, inc Maths & at least one of Physics ,Chem or Bio.	
	MEng Mechanical Engineering with Biomechanics (H3H6)	5 years (S/W)		IB: 36, 6 in HL Maths & at least one of Physics or Chem.	
	MEng General Engineering (H100)				
<b>Sheffield Hallam University</b>	MEng Mechanical Engineering (H301)	4 years	17,155	A Levels: ABB-AAB; 128-136 UCAS Tariff points. This must inc at least 64 points from two A Levels to inc Maths & least one other science subject such as Physics or Chem.	
	MEng Aerospace Engineering (H414)	5 years (S/W)			
	MEng Automotive Engineering (H331)				
<b>University of South Wales</b>	MEng Mechanical Engineering (L21H)	4 years	16,200	A Levels: BBB to inc Maths & one other Science subject.	
	MEng Aeronautical Engineering (92N5)			IB: 30 overall inc a score of 5 in Geography or Maths at HL. You will also need to obtain a score of 5 or above in English at SL.	

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
University of Southampton	MEng Mechanical Engineering (H301)	4 years	29,400	A Levels: A*AA inc Maths & Physics in min A.	IB: 38 points with 19 points required at HL, including 6 at HL in Maths and 6 at HL in Physics.
	MEng ME / Acoustical Engineering (4R23)				
	MEng ME / Aerospace Engineering (HH34)				
	MEng ME / Automotive Engineering (H390)				
	MEng ME / Biomedical Engineering (4R29)				
	MEng ME / Computational Engineering and Design (5P01)				
	MEng ME / Engineering Management (HN32)				
	MEng ME / Materials (HJ35)				
	MEng ME / Mechatronics (HH37)				
	MEng ME / Naval Engineering (HH35)				
	MEng ME / Sustainable Energy Systems (HH32)				
MEng Mechatronic Engineering (HHH6)					

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
<b>The University of Strathclyde</b>	MEng Mechanical Engineering (H302)	5 years (Scottish University)	29,350	2 <sup>nd</sup> year entry: A Levels: A*AA-AAB (Maths, Physics). IB: 38-34 (Maths HL6, Physics HL6).	
	MEng Aero-Mechanical Engineering (H421)			1 <sup>st</sup> year entry: A Levels: AAB – BBB (Maths, Physics).	
	MEng Biomedical Engineering (B831)			IB: 36-32 (Maths & Physics at HL 5)	
	MEng Electrical & Mechanical Engineering (HH6H)				
	MEng Manufacturing Engineering with Management (HN8F)				
	MEng Mechanical Engineering with Aeronautics (H3H4)				
	MEng Mechanical Engineering with Financial Management (H3N3)				
	MEng Mechanical Engineering with Materials Engineering (H3J2)				
	MEng Product Design Engineering (H770)				
	MEng Sports Design Engineering (HC17)				

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
<b>University of Surrey</b>	MEng Mechanical Engineering (H309)	4 years  5 years (S/W)	26,000	A Levels: AAA-AAB with Mathematics at grade A and either Further Maths or Physics.  Alternatively, Mathematics at grade A and two physical science subjects such as Chemistry or Computer Science.  IB: 34 with HL6/SL7 in Maths & HL5/SL6 in Physics.	
<b>University of Sussex</b>	MEng Mechanical Engineering (H301)  MEng Automotive Engineering (H330)  MEng Mechanical Engineering with Robotics (H303)	4 years  5 years (S/W)	26,250	A Levels: AAB with Maths.  IB: 34 HL must include Maths, with a grade of 5.	
<b>Swansea University</b>	MEng Mechanical Engineering (H304)	4 years  5 years (S/W)	23,350	A Levels: AAB at A level (inc Maths).  IB: 34 with either 5 at HL (or 6 at SL) "Maths: analysis & approaches", or 5 at HL (or 7 at SL) "Maths: applications & interpretation".	
<b>Teesside University</b>	MEng Mechanical Engineering (H301)  MEng Aerospace Engineering (H401)	4 years  5 years (S/W)	17,000	A Levels: 112-128 UCAS tariff points from any combination of recognised Level 3 qualifications including Maths B. The preferred second subject is Physics, but alternative science, tech & engineering subjects are also acceptable.  IB: Award of IB including 5 in HL Maths.	



Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year 2025	Entry Requirements	Remarks
University of Warwick	MEng Mechanical Engineering (H302)	4 years	33,520	A Levels: A*AA to inc Maths & Physics.  IB: 38 with 6, 6, 6 at HL, Maths & Physics are required - at least one of these subjects should be at HL.	All first year students study a general engineering programme, which is much favoured by industry. In the second year, students continue to study the same core modules as all other students until the end of term one, after which they can specialise, or continue on the general Engineering pathway.
	MEng Automotive Engineering (H335)				
	MEng Manufacturing and Mechanical Engineering (HH37)				
UWE Bristol	MEng Mechanical Engineering (H301)	4 years	16,000	A Levels: 120 UCAS Tariff points with C in Maths plus a pass in one of the following subjects: Biology; Chem; Computing or Computer Sci; Design & Tech; Electronics; Engineering; ICT; Further Maths & Physics.  IB: To include a minimum grade of 5 in HL Maths & a pass at HL in one of the following subjects: Biology; Chem; Computer Sci; Design Tech; Physics; Environmental Systems & Societies.	Assessment: Year 1: Written exam Coursework Practical exam Year 2: Written exam Coursework Practical exam Year 3: Written exam Coursework Practical exam Year 4: Written exam Coursework Practical exam 12%
	MEng Automotive Engineering (H335)	5 years (S/W)			

## Entry Requirements

The typical offer level is given in Column 4 of the Course Codes & Fees section of this booklet. Most requirements listed are for MEng entry. Otherwise, the BEng offer level is quoted, but transfer to the MEng programme is always possible with a good level of academic performance at the university, with approval from the university.

You should note that universities aim their courses to suit their typical student, so a high score will indicate an initially high level of assumed knowledge and a stronger emphasis on theory.

Scottish universities have 5-year courses leading to the MEng degree, but applicants with strong A-level qualifications can omit the first year. Scottish universities will accept Australian and Canadian pre-university qualifications for entry to the first year, as does Queen's University Belfast. Unless otherwise stated, the entry requirements of Scottish universities listed are for 2nd year entry.

## Selectors' Attitude

Your UCAS application is always considered as a whole; taking into account your qualifications, experience, personal statement and reference. Some universities may require applicants to attend interviews.

Universities will look for certain skills and attributes which they believe make an ideal candidate for Mechanical Engineering.

## Personal Statement

Your personal statement should reflect your academic interests and show why you have chosen the subject. Selectors are looking for applicants who are able to cope with the demands of the course, evidence that they have done some work to pursue their academic interests and have the relevant aptitude and skills for a degree and career in Engineering. Matters like hobbies and non-academic interests can also serve to assist universities in diversifying the cohort of students they admit.

UCAS has implemented a system called the UCAS Similarity Detection Service to verify the authenticity of Personal Statements. If significant amounts of similarities are detected and the Verification staff decides to flag a personal statement, the university and the applicant will be notified via email by UCAS.

03



# LOOKING AHEAD

## Career Path

Careers in Mechanical Engineering are still popular in a developing country like Malaysia. Popular sectors include the automotive and aerospace industries. A degree in Mechanical Engineering allows graduates to work very effectively in virtually any Engineering industry. Additionally, an Engineering degree is known to open doors to a wide variety of jobs.

After completing an accredited degree, you may register as a Graduate Engineer with the Board of Engineers Malaysia (BEM) and take up 3 years of relevant professional training, before passing a Professional Assessment Examination by the board and thus qualify as a Professional Engineer.

MEng  
Degree

Graduate  
Registration

Training

Assessment

Professional  
Status







# “How can MABECS help me?”



If all that information is making you feel overwhelmed, don't worry. You're not alone. Countless students have felt the same way and they've found it helpful to consult MABECS for their UK degree applications. For an overview of our services, check out the Inside Front Cover page.

Here is how your MABECS education advisor can help you in detail:

1

## BEFORE APPLYING

MABECS provides detailed information on:

- UK universities' environment, fees, and facilities
- course structure, content and specialisation
- entry requirements and university standards
- specific university's research ratings and teaching quality assessments



We can also recommend suitable and relevant universities based on your academic results and preferences.

3

## PRE-DEPARTURE HELP

MABECS provides guidance on:

- visa applications
- accommodation arrangements
- flight bookings

2

## APPLICATION

MABECS provides detailed information on:

- undergraduate degree application explained from start to end
- personal guidance for your Personal Statement
- mock interviews
- monitoring the progress of your application
- providing advice at stages where important decisions need to be made
- being the intermediary (middle person) between you and universities if our assistance is required
- counselling sessions with visiting UK admissions tutors and university representatives
- IELTS registration with the British Council

## About Us

MABECS was set up in 1985 to assist students in Malaysia to find suitable places at universities in the United Kingdom.

Since 1985, students we have counselled have successfully enrolled in top UK universities – both at undergraduate and postgraduate levels.

Whether you're an individual student seeking counselling for your UK degree application, or an education institution hoping to achieve the same for your pre-university students, MABECS is here to help.



Visit our website at [www.mabecs.com](http://www.mabecs.com) for a quick overview of how MABECS helps students from start to end of their UK degree application process. You'll also find many helpful articles on studying in the UK, including real student stories!

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## UK degree applications made easy

**MABECS SDN BHD** 198501011041 (143492v)

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**Monday to Friday:**  
9:30am to 4:30pm

**Saturdays, Sundays and public  
holidays:** Closed





# UK degree applications made easy.

We take care of everything in your UK degree application with your cooperation - free of charge.



## Student-centered

Our strong student-centered approach to counselling, means that we give students the fullest possible information on all available options, to help them make sensible decisions.



## Free Consultation

Advice, information and assistance with applications, are given free of charge and our education advisors are always ready to sort out any problems that may arise, and to brief you on preparations for travel to the UK.



## Accessible

Our friendly multi-racial, open-access office, can be easily reached by public transport, and no appointment is necessary to drop in and browse through the reference library, talk to a education advisor, or complete and send an application.