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How to apply
For full-time study you must apply through the Universities & Colleges Admissions Service (UCAS). See ucas.com.
UGRacing
Each year the James Watt School of Engineering participates in the highly renowned, ten-month long “Formula Student” programme. Run by the Institute of Mechanical Engineering (IMechE), this is an exciting and unique chance for students from across our engineering disciplines to join forces to construct a single-seat racing car.

The design and build culminates in a race at the world-famous Silverstone track, against more than 300 teams from across the globe. The competition nurtures students’ management, marketing and technical skills as well as offering specialised engineering and motorsport industry experience. The school recognises the substantial value of this activity and provides considerable technical and financial support for it.

Industrial Scholarship Scheme
Taking advantage of our strong links with industry, the James Watt School of Engineering has launched an exclusive new scholarship scheme.

The University of Glasgow Engineering Scholarship Scheme offers top performing students the opportunity to gain significant paid work experience and an annual bursary of £1,600 whilst undertaking their degree. This gives our students a fantastic start to a future career before graduating. Amey, Leonardo and Mott Macdonald are some of the big industry names currently signed up to this rapidly expanding scheme.

The scholarship is open to University of Glasgow James Watt School of Engineering undergraduates who attain a GPA of 15 or more at the end of their second year. For more information, see glasgow.ac.uk/schools/engineering/scholarshipscheme or contact: eng-guess@glasgow.ac.uk.
AERONAUTICAL ENGINEERING

Aeronautical engineering is about how aircraft are designed, constructed and powered, how they are used and how they are controlled for safe operation.

BEng (H415): Four years
MEng (H410): Five years

BEng students who perform well may transfer to the MEng programme on completion of years 1, 2 and 3.

You will study the same courses in the first three years whether you are on the BEng or MEng degree programme. Both embed creativity to develop world changing engineers.

Year 1
In your first year, you will take courses in aeronautical engineering, mathematics, dynamics, electronics, materials, statics, thermodynamics and engineering skills. These courses are supported by individual and group project work and laboratory work. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

Years 2 and 3
In year 2 you will study fluid mechanics, dynamics, aerothermal engineering, thermodynamics and mathematics. In year 3 you will learn about the design of aircraft. You will begin to analyse and understand aircraft behaviour, aircraft performance and propulsion systems, and perform detailed analysis of aircraft structural components.

Years 4 and 5
In year 4 you will begin to deal with some of the advanced concepts in aeronautics, including the study of composite materials, aeroelasticity, high-speed aerodynamics, fluid dynamics, flight dynamics and control theory.

BEng students undertake an individual project to solve a problem in aeronautical engineering. MEng students undertake an interdisciplinary team project.

In year 5 MEng students learn about aircraft handling qualities, aircraft operations, and advanced structural analysis techniques. Half of this year is devoted to project work, which can be carried out in industry, within the university or via a placement abroad. A range of optional courses is available in years 4 and 5 to allow you to develop and follow your interests.

Partnership and industry links
There are contributions to aircraft design classes by engineers from the industrial sector and, whenever possible, visits to industrial sites. The school also sponsors student teams for national (IMechE) and international (AIAA) competitions.

Our international links
The MEng programme allows you to take your project in Europe. We also have partner universities in the USA and Australia, where some students undertake their third year of study.

Accreditation
Accredited by the Royal Aeronautical Society and the Institution of Mechanical Engineers.

Career prospects
Our graduates have been employed by organisations such as Williams F1, Nuclear Decommissioning Authority, the BAE, Fluid Gravity Engineer, Rolls-Royce plc and the Met Office.

Why choose Glasgow?
You’ll take part in practical laboratories, including running a jet engine test, and a flight-testing course in a Jetstream aircraft during year 5 of the MEng.

AEROSPACE SYSTEMS

Aerospace systems focuses on the design and use of onboard systems found on most aircraft and spacecraft, and how these systems may be used to improve the operation and performance of aerospace vehicles.

BEng (H402): Four years
MEng (H401): Five years

BEng students who perform well may transfer to the MEng programme on completion of years 1, 2 and 3.

You will study the same courses in the first three years whether on the BEng or MEng degree programme. Both embed creativity to develop world changing engineers.

Year 1
In your first year, you will take a wide-ranging curriculum which includes courses in aerospace engineering, mathematics, dynamics, electronics, materials, statics, thermodynamics and engineering skills. These courses are supported by individual and group project work and laboratory work. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

Years 2 and 3
You will concentrate on aerospace dynamics, aeronautical engineering, electronics and systems, electrical circuits and mathematics. There will be a focus on developing key software programming skills.

Years 4 and 5
In year 4 you will study topics including flight simulation, aerospace vehicle guidance and control, radio and radar, dynamics, aircraft handling qualities and aircraft operations.

BEng students undertake an individual project to solve a problem in aerospace systems. MEng students undertake an interdisciplinary team project.

MEng students in year 5 learn about aircraft handling qualities, aircraft operations, and advanced control concepts. Half of this year is devoted to project work, which can be carried out in industry, within the University or via a placement abroad. A range of optional courses is available in years 4 and 5 to allow you to develop and follow your interests.

Partnership and industry links
As well as in our industry-sponsored UAV lab, many MEng projects are carried out in industry, and the school also arranges, whenever possible, visits to industrial sites. The school also sponsors student teams for national (IMechE) and international (AIAA) competitions.

Our international links
The MEng degree programme allows you to take your fifth-year project in Europe. We also have partner universities in the USA and Australia, where some students take their third year of study.

Accreditation
Accredited by the Royal Aeronautical Society and the Institution of Mechanical Engineers.

Career prospects
The development of new aircraft and the increase in the complexity of aircraft systems fuel the demand for aerospace systems engineers, with opportunities in the fields of software and hardware design, simulation and expert systems. Past graduates have gained employment with companies such as QinetiQ, Logica, BAE Systems, Thales and Unisys.

Why choose Glasgow?
You’ll take part in practical laboratories, including running a jet engine test, and a flight-testing course in a Jetstream aircraft during year 5 of the MEng.
BIOMEDICAL ENGINEERING

Biomedical engineering is about finding engineering solutions to medical problems. As a rapidly expanding industry, biomedical engineering meets the demands of healthcare through the development of technology.

Entry requirements

Our programme webpages advertise the most up-to-date detail on our entry requirements for 2021-22 entry at glasgow.ac.uk/undergraduate. Due to the impact that the COVID-19 pandemic has had on grades certified in 2020, we are currently assessing the flexibility that we can offer in the consideration of academic entry requirements. We will publish any changes on our webpages.

Our international links

You will be able to apply to spend the third year of your studies abroad at an accredited partner university. We also have extensive links to international academic, industry, and clinical partners, which allow our MEng students to undertake their six-month project overseas.

Accreditation

Accredited by the Institute of Engineering & Technology, the Institution of Mechanical Engineers, and the Institute of Physics & Engineering in Medicine.

Career prospects

Our graduates are well represented in manufacturing companies and the NHS and in a wide range of industries in this country and abroad. Biomedical Engineering can be an excellent preliminary degree for graduate entry into Medicine. The degree also provides graduates with strong transferable skills.

Why choose Glasgow?

You’ll take part in practical activities including visits to local hospitals. You will benefit from our strong links with industry and the NHS, with engineers and clinicians contributing to lectures, projects and case studies, as well as offering work placements.

glasgow.ac.uk/ug/biomedicalengineering eng-teachingoffice@glasgow.ac.uk

CIVIL ENGINEERING

Civil engineers design and build major structures and provide the skills and expertise to design, build and maintain the country’s infrastructure.

Entry requirements

Our programme webpages advertise the most up-to-date detail on our entry requirements for 2021-22 entry at glasgow.ac.uk/undergraduate. Due to the impact that the COVID-19 pandemic has had on grades certified in 2020, we are currently assessing the flexibility that we can offer in the consideration of academic entry requirements. We will publish any changes on our webpages.

Accreditation

MEng: fully satisfies the educational base for a Chartered Engineer.
BEng: fully satisfies the educational base for an Incorporated Engineer and partially satisfies the educational base for a Chartered Engineer.

Career prospects

Recent graduates have been employed by ARUP, civil engineer; Jacobs Engineering Ltd, civil engineer; Balfour Beatty, civil engineer; Atkins Global, graduate civil engineer; and Southern Energy, civil engineer; WSP Group, civil engineer; Jacobs Engineering Ltd, civil engineer; Balfour Beatty, civil engineer; and Scottish Southern Energy, civil engineer.

Why choose Glasgow?

This programme’s strengths lie in its synthesis of scientific enquiry, engineering design and creative problem solving to tackle the challenging and complex real-life problems encountered by professional civil engineers.

glasgow.ac.uk/ug/civilengineering eng-teachingoffice@glasgow.ac.uk

* Discover Uni (discoveruni.gov.uk), January 2020
CIVIL ENGINEERING WITH ARCHITECTURE

Civil Engineering with Architecture will give you an understanding of the architect’s role in construction and the interaction between architecture and civil engineer.

Entry requirements
Our programme webpages advertise the most up-to-date detail on our entry requirements for 2021-22 entry at glasgow.ac.uk/undergraduate. Due to the impact that the COVID-19 pandemic has had on grades certified in 2020, we are currently assessing the flexibility that we can offer in the consideration of academic entry requirements. We will publish any changes on our webpages.

Why choose Glasgow?
This is a unique degree programme in collaboration with the Glasgow School of Art. The architectural component is entirely design-oriented, studio-based and directed towards the production of sketches, drawings and models and their compilation into a portfolio.

Our international links
You may apply to study abroad in year 3. In addition, MEng students can work on their fifth-year project at overseas institutions.

Accreditation
MEng: fully satisfies the educational base for a Chartered Engineer. BEng: fully satisfies the educational base for an Incorporated Engineer and partially satisfies the educational base for a Chartered Engineer.

Career prospects
Our recent graduates have been employed by companies such as WSP, Atkins Global and Mott MacDonald.

Why choose Glasgow?
Between years 3 and 4 you will undertake a work placement in industry, either in the UK or overseas.

ELECTRONIC & SOFTWARE ENGINEERING

Electronic and software engineering combines the study of both hardware and software within modern computing and engineering. It will give you the knowledge required to lead teams that will design and build the computerised and embedded systems of the future.

Entry requirements
Our programme webpages advertise the most up-to-date detail on our entry requirements for 2021-22 entry at glasgow.ac.uk/undergraduate. Due to the impact that the COVID-19 pandemic has had on grades certified in 2020, we are currently assessing the flexibility that we can offer in the consideration of academic entry requirements. We will publish any changes on our webpages.

Why choose Glasgow?
Between years 3 and 4 you will undertake a work placement in industry, either in the UK or overseas.
ELECTRONICS & ELECTRICAL ENGINEERING

This degree programme covers a wide range of topics relating to electronics & electrical engineering within modern life. It will enable you, as a graduate engineer, to be employed in a large number of industries, from power engineering to nanoelectronics, radar and telecommunication systems to the design of digital technology.

The core courses will give you a firm grounding in subjects that are needed for electronics and electrical engineering, as well as optional subjects in business and management.

The third year delves deeper into such engineering topics as systems design, communication systems, control, real-time systems, electromagnetic compatibility and mathematics, while the music element encompasses such topics as sound for narrative film and interactive audiovisual media, plus further music options. Most courses are supported by laboratory and project work.

Years 4 and 5
You will have a wide choice of technical options in fourth year. You will also gain expertise in professional subjects including economics, project organisation, environmental issues and safety.

BEng students will complete a substantial individual project under the one-to-one supervision of a member of academic staff. MEng students take part in an integrated system design project, learning the skills of project management and working in multidisciplinary teams. Half of the fifth year is devoted to individual project work, normally carried out in industry, and often via a placement abroad.

Why choose Glasgow?
You will undertake a team design project in which the complete design process of an item of electronic equipment is carried out, from the initial specification to the completed product.

Entry requirements
Our programme webpages advertise the most up-to-date detail on our entry requirements for 2021/22 entry at glasgow.ac.uk/undergraduate. Due to the impact that the COVID-19 pandemic has had on grades certified in 2020, we are currently assessing the flexibility that we can offer in the consideration of academic entry requirements. We will publish any changes on our webpages.

The following two years will contain a core of compulsory subjects that are needed for electronics and electrical engineering, as well as optional subjects in business and management.

The core courses will give you a firm grounding in the knowledge and skills required of any professional electronics or electrical engineer, whether your career takes you to work with hydroelectric projects or wind farms, designing high-tech gadgets and co communications devices or creating new electronic components at the nano-scale. These courses are augmented with practical construction and project work in each year, working both alone and in teams.

Years 2 and 3
The following two years will contain a core of compulsory subjects that are needed for electronics and electrical engineering, as well as optional subjects in business and management.

The core courses will give you a firm grounding in the knowledge and skills required of any professional electronics or electrical engineer, whether your career takes you to work with hydroelectric projects or wind farms, designing high-tech gadgets and communications devices or creating new electronic components at the nano-scale. These courses are augmented with practical construction and project work in each year, working both alone and in teams.

Years 4 and 5
You will have a wide choice of technical options in fourth year. You will also gain expertise in professional subjects including economics, project organisation, environmental issues and safety.

BEng students will complete a substantial individual project under the one-to-one supervision of a member of academic staff. MEng students take part in an integrated system design project, learning the skills of project management and working in multidisciplinary teams. Half of the fifth year is devoted to individual project work, normally carried out in industry, and often via a placement abroad.

Why choose Glasgow?
You will undertake a team design project in which the complete design process of an item of electronic equipment is carried out, from the initial specification to the completed product.

Entry requirements
Our programme webpages advertise the most up-to-date detail on our entry requirements for 2021/22 entry at glasgow.ac.uk/undergraduate. Due to the impact that the COVID-19 pandemic has had on grades certified in 2020, we are currently assessing the flexibility that we can offer in the consideration of academic entry requirements. We will publish any changes on our webpages.

ELECTRONICS WITH MUSIC

This exciting degree brings together the world of music with a thorough study of modern electronics. This fusion of arts and engineering produces graduates that are fully qualified electronics engineers with particular skills in music technology.

The core courses will give you a firm grounding in the knowledge and skills required of any professional electronics or electrical engineer, whether your career takes you to work with hydroelectric projects or wind farms, designing high-tech gadgets and communications devices or creating new electronic components at the nano-scale. These courses are augmented with practical construction and project work.

Year 1
In your first year, you will take a wide-ranging curriculum, which includes courses in analogue & digital electronics, mathematics, dynamics, materials and thermodynamics. These courses are supported by project and laboratory work, which allow you to develop the much-needed skills and experience required for a career in engineering. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

Years 2 and 3
The following two years will contain a core of compulsory subjects that are needed for electronics and electrical engineering, as well as optional subjects in business and management.

The core courses will give you a firm grounding in the knowledge and skills required of any professional electronics or electrical engineer, whether your career takes you to work with hydroelectric projects or wind farms, designing high-tech gadgets and communications devices or creating new electronic components at the nano-scale. These courses are augmented with practical construction and project work in each year, working both alone and in teams.

Years 4 and 5
You will have a wide choice of technical options in fourth year. You will also gain expertise in professional subjects including economics, project organisation, environmental issues and safety.

BEng students will complete a substantial individual project under the one-to-one supervision of a member of academic staff. MEng students take part in an integrated system design project, learning the skills of project management and working in multidisciplinary teams. Half of the fifth year is devoted to individual project work, normally carried out in industry, and often via a placement abroad.

Why choose Glasgow?
You will undertake a team design project in which the complete design process of an item of electronic equipment is carried out, from the initial specification to the completed product.

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Our programme webpages advertise the most up-to-date detail on our entry requirements for 2021/22 entry at glasgow.ac.uk/undergraduate. Due to the impact that the COVID-19 pandemic has had on grades certified in 2020, we are currently assessing the flexibility that we can offer in the consideration of academic entry requirements. We will publish any changes on our webpages.

Why choose Glasgow?
Glasgow is a UNESCO city of music, where you can study performance, composition and technology alongside a range of other music options.
MECHANICAL DESIGN ENGINEERING

This degree programme is firmly rooted in the mainstream mechanical engineering discipline but places greater emphasis on the interplay between design and manufacturing, which is explored through individual and group projects.

You will study the same courses in the first three years whether on the BEng or MEng degree programme. Both embed creativity to develop world-changing engineers.

Year 1
You will take a wide-ranging curriculum which includes courses in mechanical design and manufacturing, mathematics, dynamics, electronics, materials, statics, thermodynamics and engineering skills. These courses are supported by individual and group project work and laboratory work. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

Year 2
You will study further basic engineering subjects including applicable mathematics, applied mechanics, fluid mechanics, microelectronics, engineering computing, materials, power electronics, thermodynamics, and design and manufacture.

Year 3
You will study more advanced engineering subjects such as engineering design, dynamics and control, mechanics of solids, heat transfer, design and manufacture, materials and manufacture, mathematical modeling and simulation, and mechanics of materials and structures.

Years 4 and 5
In year 4 of the BEng programme, students undertake an individual and a group design project. A range of subjects is offered, including robotics, advanced materials, vibration, microelectronics, mechanics of solids and thermal engineering.

Why choose Glasgow?
You will complete an extensive design project, which will allow you to integrate the various design skills and understand the business and social context within which design takes place.

Entry requirements
Our programme webpages advertise the most up-to-date detail on our entry requirements for 2021-22 entry at glasgow.ac.uk/undergraduate. Due to the impact that the COVID-19 pandemic has had on grades certified in 2020, we are currently assessing the flexibility that we can offer in the consideration of academic entry requirements. We will publish any changes on our webpages.

Partnership and industry links
The degree programme has very close links with industry, with practising engineers contributing to courses, as well as vacation and year-out employment opportunities for students.

Our international links
You can apply to spend one year of your studies abroad at an accredited partner university. In year 5 MEng students can work on their project at overseas institutions.

Accreditation
Our BEng and MEng degrees are accredited by the Institution of Mechanical Engineers and the Institution of Engineering Designers.

Career prospects
Recent graduates have been employed by Babcock, Chevron, Wood Group, Spooner, Scottish Power Renewables, Jee Ltd, OyI Manufacturing, BAE Systems, Rolls-Royce and Score Europe.

glasgow.ac.uk/ug/mechanicaldesignengineering  eng-teachingoffice@glasgow.ac.uk

MECHANICAL ENGINEERING

This degree programme provides a thorough grounding in mechanical engineering principles and their applications, together with the skills needed to solve real mechanical engineering problems.

BEng (H300): Four years
MEng (H302): Five years

BEng students who perform well may transfer to the MEng programme on completion of years 1, 2 and 3.

You will study the same courses in the first three years whether on the BEng or MEng degree programme. Both embed creativity to develop world-changing engineers.

Year 1
You will take a wide-ranging curriculum which includes courses in mechanical engineering, mathematics, dynamics, engineering design, robotics, vibration, renewable energy and design projects.

Year 2
You will study further basic engineering subjects including applicable mathematics, applied mechanics, fluid mechanics, microelectronics, engineering computing, materials, power electronics, thermodynamics, design and manufacture.

Year 3
You will visit a number of industries in the UK and study more advanced engineering subjects including dynamics and control, fluid power; engineering design; mechanics of solids; fluid mechanics; thermodynamics of engines; heat transfer; instrumentation and data systems; materials and manufacture; mathematical modeling and simulation; and mechanics of materials and structures.

Years 4 and 5
In year 4 you will study a range of compulsory and optional courses from a list which includes: advanced thermal engineering, control, lasers and electro-optic systems, materials engineering, mechanics of solids, robotics, vibration, renewable energy and design projects.

Why choose Glasgow?
You will benefit from our strong links with industry, with practising engineers contributing to lectures and providing employment opportunities.

Entry requirements
Our programme webpages advertise the most up-to-date detail on our entry requirements for 2021-22 entry at glasgow.ac.uk/undergraduate. Due to the impact that the COVID-19 pandemic has had on grades certified in 2020, we are currently assessing the flexibility that we can offer in the consideration of academic entry requirements. We will publish any changes on our webpages.

Our international links
You can apply to spend one year of your academic studies abroad at an accredited partner university. In year 5 MEng students can work on their project at overseas institutions.

Accreditation
Our BEng and MEng degrees are accredited by the Institution of Mechanical Engineers.

Career prospects
Recent graduates have been employed by Babcock, Chevron, Wood Group, Spooner, Scottish Power Renewables, Jee Ltd, OyI Manufacturing, BAE Systems and Rolls-Royce.

Why choose Glasgow?
You will benefit from our strong links with industry, with practising engineers contributing to lectures and providing employment opportunities.

glasgow.ac.uk/ug/mechanicalengineering  eng-teachingoffice@glasgow.ac.uk

* Discover Uni (discoveruni.gov.uk), January 2020
# MECHANICAL ENGINEERING WITH AERONAUTICS

This degree programme bridges the divide between aeronautics and mechanical engineering and thus provides its graduates with the crossdisciplinary background needed to flourish in one of the most challenging engineering fields.

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>BEng (H3H4)</td>
<td>Four years</td>
<td>You will study the same courses in the first three years on both the BEng and MEng degree programmes. Both embed creativity to develop world changing engineers.</td>
</tr>
<tr>
<td>MEng (H3HK)</td>
<td>Five years</td>
<td>Year 1: You will take a wide-ranging curriculum including courses in aeronautics, mechanics, dynamics, electronics, materials, statistics, thermodynamics and engineering skills. These courses are supported by individual and group project work and laboratory work. This interdisciplinary approach makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.</td>
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</tbody>
</table>

### Entry requirements

Our programme webpages advertise the most up-to-date detail on our entry requirements for 2022-23 academic year. Due to the COVID-19 pandemic impact on grades certified in 2020, we are currently assessing the flexibility that we can offer in the consideration of academic entry requirements. We will publish any changes on our webpages.

### Our international links

You can apply to spend one year of your academic studies abroad at an accredited partner university. In year 5 MEng students can work on their project at overseas institutions.

### Accreditation

These degrees are accredited by the Institution of Mechanical Engineers and the Royal Aeronautical Society.

### Career prospects

Graduates of this programme can expect to be much in demand in the aerospace industry with companies such as BAE Systems and Rolls-Royce, as well as in mainsteam mechanical engineering.

### Why choose Glasgow?

You will benefit from our strong links with the aerospace industries. MEng students take part in a flight-testing course in a Jetstream aircraft.

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# MECHATRONICS

Mechatronics is a fusion of mechanical, electrical and control engineering. In order to compete successfully in a global market, modern manufacturing companies must have the ability to integrate electronics, control, software and mechanical engineering into a range of innovative products and systems. Graduates of this programme will have the interdisciplinary knowledge, skill and approach to engineering.

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<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEng (H730)</td>
<td>Four years</td>
<td>You will study the same courses in the first three years whether you are on the BEng or MEng degree programme. Both embed creativity to develop world changing engineers.</td>
</tr>
<tr>
<td>MEng (H731)</td>
<td>Five years</td>
<td>Year 1: You will take a wide-ranging curriculum which includes courses in mechanical engineering, mathematics, dynamics, digital and analogue electronics, materials, statistics, thermodynamics and engineering skills. These courses are supported by individual and group project work and laboratory work. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.</td>
</tr>
</tbody>
</table>

### Entry requirements

Our programme webpages advertise the most up-to-date detail on our entry requirements for 2022-23 academic year. Due to the impact that the COVID-19 pandemic has had on grades certified in 2020, we are currently assessing the flexibility that we can offer in the consideration of academic entry requirements. We will publish any changes on our webpages.

### Our international links

You will be able to apply to spend one year of your academic studies abroad at an accredited partner university. MEng students will also be able to work on their final-year project at overseas institutions.

### Accreditation

Accreditation is being sought for this programme. Please check our website for updates.

### Career prospects

Graduates will have the interdisciplinary approach necessary to integrate electronics, control, software and mechanical engineering.

### Why choose Glasgow?

Many engineering employers offer well-paid summer placements and, in some cases, sponsorship.
**PRODUCT DESIGN ENGINEERING**

Product Design Engineering is jointly delivered by the University and The Glasgow School of Art and integrates engineering with design.

- **BEng (H32W): Four years**
- **MEng (H3WG): Five years**

BEng students who perform well may transfer to the MEng programme on completion of years 1, 2 and 3.

You will study the same courses in the first three years whether on the BEng or MEng degree programme. Both embed creativity to develop world changing engineers.

**Years 1 and 2**
You will take a wide-ranging curriculum which includes courses in product design engineering (delivered by The Glasgow School of Art), mathematics, dynamics, electronics, materials, statics, thermodynamics and engineering skills. These courses are supported by individual and group project work and laboratory work. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

**Year 3**
The third year develops and integrates the application of theory through structured projects, with an increased amount of studio time at The Glasgow School of Art. You will study more advanced engineering subjects at the University: materials and manufacture, dynamics, control and fluid power, heat transfer, mathematical modelling and simulation, and mechanics of materials and structures.

**Years 4 and 5**
In the final year of the BEng, you will propose your own programme of individual product development and prototyping, leading to concept and detailed design proposals. You will also study advanced subjects in design and technology engineering, management and design.

In year 4 of the MEng degree you will follow a similar programme to the BEng, and undertake a group design project, with mechanical engineering and mechanical design engineering students. Studio activities will continue and you will study advanced subjects in design and technology engineering, management and design.

In year 5 you will work on your own programme of product development and prototyping, leading to concept and detailed design proposals. You will also study advanced manufacture, human factors, robotics and mechanics of solids.

**Entry requirements**
Our programme webpages advertise the most up-to-date detail on our entry requirements for 2021-22 entry at glasgow.ac.uk/undergraduate.

Due to the impact that the COVID-19 pandemic has had on grades certified in 2020, we are currently assessing the flexibility that we can offer in the consideration of academic entry requirements. We will publish any changes on our webpages.

**Our international links**
As part of the MEng programme there is the possibility that you may spend the fourth year in Trondheim, Norway. We are establishing links with universities to provide similar possibilities at other levels of study for MEng and BEng students.

**Accreditation**
These degrees are accredited by the Institution of Mechanical Engineers and the Institution of Engineering Designers.

**Career prospects**
PDE students have excellent career prospects, with recent graduates employed by Apple, Bosch, Dell, Dyson, GlaxoSmithKline, Logitech, Jaguar Land Rover and TomTom. Our PDE graduates have established leading design engineering consultancies, including Speck Design, 4c Design, FilamentPD and Fearsome.

**Why choose Glasgow?**
You will work closely with industry throughout the programme, which may lead to internship and employment opportunities. You will have the opportunity to go on fieldtrips to industrial centres of excellence.

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*glasgow.ac.uk/ug/productdesignengineering*
*eng-teachingoffice@glasgow.ac.uk*
CONNECT
WITH US

For information on upcoming
Open Days, please see:
glasgow.ac.uk/visitus

Discover our world changers at
glasgow.ac.uk/worldchangers

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General Switchboard
Tel: +44 (0)141 330 2000
glasgow.ac.uk/enquirenow