Your
ENGINEERING, DESIGN AND TECHNOLOGY
Prospectus
There's no limit to what you can achieve with The Open University. Whether you're seeking inspiration, looking to change direction or searching for a new beginning – we'll help you make it happen.

- The roadmap to your new career.
- An opportunity to gain a high quality university education.
- The chance to explore your passion.
- A way to create a better life for you and your family.
- The next chapter in your learning journey.

Over two million people have already transformed themselves and their futures with us. Now it’s your turn.
START ACHIEVING YOUR GOALS HERE AND NOW

Welcome to The Open University

We’ve pioneered supported distance learning for over 50 years. This pioneering spirit is why we are experts in delivering distance education, both in the UK and across 157 countries worldwide, and why we lead the way for innovative teaching and research.

Every day, we support our students to achieve their goals around other important things in their lives. It’s what we do.

The Open University was established by Royal Charter on 23 April 1969. We’ve come a long way since then, constantly innovating at every step to make sure that our founding mission – enabling access to education for all – remains as relevant now as it did 50 years ago.

— An OU qualification is widely respected by businesses, with 75% of FTSE 100 companies sponsoring staff to study with us.
— More CEOs and Managing Directors of UK companies have studied with us than any other UK university.
— 84% of our alumni say studying with us helped them achieve their career goals.
— 70% of our students are already in work, balancing their careers with their studies.
— We are the largest UK university for undergraduate education.
— Throughout our 48-year partnership with the BBC, we’ve co-produced numerous TV and radio series – like Sir David Attenborough’s The Green Planet and A Perfect Planet.
The Open University is proud to be unconventional. We don’t believe there’s a right order to do things in life, only what’s right for you. We’ll do everything we can to help you get where you want to be.

Learn on your terms
Learning with us is flexible and supportive, guided by expert tutors every step of the way. We’ll give you all the essential course resources and materials you need. Plus, our dedicated Student Support Team is always there to help you if you need advice.
— You decide when and where you learn.
— You can keep on earning while you learn.
— You can fit study around other life commitments.
— You can fund your studies in a way that suits you.

Learn from the best
Our network of more than 5,000 expert tutors deliver innovative, insightful teaching and many combine their work as tutors with academic or industry roles.

Spark your imagination
From online tutorials, to books, to the virtual learning environment, you’ll study using a variety of digital and physical resources. So, however you learn best, we’ll keep you inspired.

Our assessment methods
Depending on your course, we’ll use a blend of written assignments, oral and practical assessments, projects, exams, dissertations and portfolios. For more on assessments, visit openuniversity.co.uk/assessment.

Additional study support
Did you know that we support more disabled students than any other UK university? We’ll provide access to tools and guidance and ensure you get the appropriate level of support to make the best of your studies.

Connect with like-minded students
Module discussion groups are there for you to talk about your subject, coursework or to share study methods. You can also connect with us on social media or join one of the many informal social media groups set up by your fellow students.

When you register, you’ll become a member of our students’ association. This community gives you the chance to meet fellow students and help influence University decisions. For more information, visit oustudents.com.

There’s been a lot on in the last few years; we had my son, I moved jobs, and I moved house again. The OU’s flexibility certainly does make things easier, it really complements that kind of lifestyle.

Jack Brooke
OU graduate
An OU qualification is just as rigorous and respected as one from a campus-based university, and is highly valued by employers. What’s different is our unique approach to learning, which means you don’t have to put your life on hold.

Bringing university to you, wherever you are

We’ve continuously developed our supported distance learning method for over 50 years. Our resources are designed so that you can fit a high-quality university education around your busy life.

With the OU, you can study whenever and wherever you like.

We’re respected

A combination of education and experience is highly sought after and can greatly enhance your employment prospects. An OU qualification allows you to put what you learn into practice immediately. You’ll be able to show you’re dedicated, driven and committed – personal qualities that are valued in any workplace.

We’re flexible

Studying with the OU allows you to work as you learn and apply your new skills and knowledge in the real world.

There’s no such thing as a typical OU student. You’ll decide how and when you want to study. Our tutors and Student Support Teams are used to helping students balance study with other commitments.

We’re thriving community

You’ll be joining one of the most diverse, dynamic and inclusive student communities. Whatever your goals, we’re here to help and champion you to fulfil your ambition.

More than 170,000 students study with us each year. Come and join them.

We’re open to all

We believe that your ability isn’t only based on your previous qualifications. That’s why there are no formal academic entry requirements for most of our undergraduate courses.

Find out what you’ll need to study our postgraduate courses at openuniversity.co.uk/pg-ready.

MORE INFORMATION

Find out more about The Open University.

Visit openuniversity.co.uk/learning
QUALIFICATIONS TO SUIT YOU

With over 200 qualifications to choose from, whatever your goal, it’s possible with The Open University. You can study towards a degree or start with a certificate or diploma and build on your studies as you go.

Undergraduate

Certificate of higher education
Get a general grounding or improve your understanding of a subject area.

Diploma of higher education
Expand your knowledge and improve your skill set in a specialised area.

Foundation degree
Focus on a subject related to what you’re doing now, either workwise or voluntarily.

Named degree
Complete modules in a specific subject to earn an honours degree and open doors to a new interest or career.

Integrated masters degree
Add value to undergraduate study by combining it with work at postgraduate level.

Open degree
Design your own honours degree and include modules from different subject areas to suit your interests and needs.

Postgraduate

Postgraduate certificate
Ideal for professional and career development, this is the first step towards a masters degree as well as being a valuable qualification in its own right.

Postgraduate diploma
Work towards a widely recognised qualification that is equivalent to two-thirds of a masters degree.

Masters degree
Study modules towards an internationally respected qualification while gaining specialist academic, professional, or technical skills.

FIND OUT MORE
Find the course to match your ambition.
Visit openuniversity.co.uk/course-types
ACHIEVE YOUR GOALS WITH US

We’ve been helping people like you realise their potential since 1969. Now over two million and counting. We’ve made it happen with a unique, flexible, student-centred approach.

We will:
• help you get a qualification to suit you and your goals
• provide a flexible learning experience that works with you and your life
• use technology and teaching methods that enhance your study experience
• support you every step of the way.

You can expect:
• materials that are designed with you in mind
• continuous innovation and accessible learning, whatever your circumstances
• access to world-class resources, whenever you need them
• qualifications that are respected by employers around the world.

Student stories.

Get a fascinating and inspirational insight into our students’ ambitions and their experience of studying with the OU.

Dip into the Stories of Ambition videos and discover what it’s like to take that life-changing step.

Visit openuniversity.co.uk/stories
Welcome to Engineering, Design and Technology

Whatever the change you want to make, whatever your ambition, it starts here.

Studying engineering, design or technology with us will allow you to:

- access our OpenSTEM Labs, remotely operate research-grade equipment, gather and analyse your own data
- gain a broad range of engineering skills and technical expertise, including hands-on practical engineering experience
- equip yourself with the knowledge and professional skills to work in STEM-focused careers.

We positively impact individuals, organisations, and communities that design, develop, build, and manage complex systems involving technologies of all kinds. You could join more than 10,000 students currently benefitting from our broad, multidisciplinary approach to teaching and research.

Undergraduate

We offer a range of engineering qualifications:

- Master of Engineering (MEng)
- Bachelor of Engineering (BEng) (Hons)
- Top-up Bachelor of Engineering (BEng) (Hons)
- Foundation Degree in Engineering
- Certificate and Diploma of Higher Education in Engineering
- BSc (Hons) Computing with Electronic Engineering

Our general engineering degrees fulfil the Engineering Council’s educational requirements for Incorporated or Chartered Engineer status under UK-SPEC. See individual descriptions for details.

In addition to this, we’re also a major distance-learning higher education provider of design courses in the UK.

Our undergraduate design qualifications include:

- BA/BSc (Hons) Design and Innovation
- Certificate and Diploma of Higher Education in Design and Innovation
- BSc (Hons) Computing & IT and Design
- Diploma and Certificate of Higher Education in Computing & IT and Design

Postgraduate

Our MSc in Engineering will help you further develop a professional approach to your work and extend your engineering skills. You’ll also acquire a range of transferable skills that will enable you to take the next step towards becoming a Chartered Engineer.

Our other postgraduate qualifications include:

- MSc in Environmental Management
- MSc in Systems Thinking in Practice
- MSc in Technology Management
- MBA (Technology Management)

1 This is an integrated masters, which starts with undergraduate study before progressing to postgraduate.
My OU degree has certainly benefitted me. On a personal level, my self-confidence has increased. In the workplace, the knowledge I’ve gained has been essential for my role, and I’ve had more opportunities career-wise. I believe that having the degree places me ahead of other candidates when applying for posts. Studying has also instilled in me a sense of dedication.

Suzanne Smith  
MSc in Engineering

Women in engineering
We’re committed to actively supporting and encouraging women to study and progress into engineering, science and technology careers.

Our School of Engineering and Innovation is proud to hold an Athena SWAN Silver Award. The award recognises our commitment to gender equality and advancing the career aspirations of all its students.

The School works closely with the Women’s Engineering Society (WES) as an Education Partner, giving our female students free membership. Membership lets students access a network of professional women engineers, scientists and technologists offering inspiration, support and professional development.

Professional accreditation
Our engineering degrees (MEng, BEng, top-up BEng, foundation degree and MSc) have accreditation from the Institution of Engineering Designers (IED), the Institution of Engineering and Technology (IET), the Institute of Materials, Minerals & Mining (IOM3) and the Institution of Mechanical Engineers (IMechE).

The Institute of Environmental Management and Assessment (IEMA) and the Chartered Institution of Water and Environmental Management (CIWEM) accredit our MSc and Postgraduate Diploma in Environmental Management.

Boost your career prospects
Advances in new technologies such as energy, sustainability and nanotechnology have led to a growing demand for engineering, design and technology graduates equipped with problem-solving and collaboration skills.

The scope of career options with the skills you will build with these qualifications is extensive. Graduates of our engineering, design and technology courses find employment across various industries, such as food, materials, construction, transport and medical.

Robotics, AI development and digital applications are other areas where the skills and approaches gained from an OU engineering, design and technology qualification are highly valued.

Award-winning teaching, world-leading research
The Open University has one of the UK’s top materials engineering research centres, which has helped improve the economy, public safety, and society in general. You’ll benefit from the most relevant and up-to-date teaching materials created by the academics responsible for this groundbreaking research.

By joining one of our engineering courses, you’ll get a taste of engineering research by accessing our OpenSTEM Labs, remotely operating research-grade equipment, gathering and analysing your own data, and carrying out mini team research projects.

To find out more about our research, go to openuniversity.co.uk/ourresearch.

You’re on your way.
That’s step one done. Now take the next by reading more about our engineering, design and technology qualifications, before registering for your chosen course.

Visit openuniversity.co.uk/courses
**Undergraduate**

You’ll need to build up a certain number of credits to gain your qualification. Here’s how it works:

**The different stages**

— Complete one stage for a certificate of higher education, two stages for a diploma of higher education or foundation degree, and three stages to gain an honours degree.

— To complete each stage, you must build up a set number of credits.

**The credits you need**

— You’ll need at least 120 credits to complete each stage. This means that to earn an honours degree, 360 credits are required in total.

— Credits are gained by successfully completing modules.

**The modules available**

— With each module you successfully complete you’ll earn a set number of credits, usually either 30 or 60.

— Modules are either compulsory or chosen from a range of options.

**Access module**

An optional module to build your confidence and prepare you for further study.

To complete Stage 1, you’ll need 120 credits, studying modules worth 30 or 60 credits.

**Stage 1**

**120 credits**

**Certificate of higher education**

To complete Stage 2, you’ll need a further 120 credits, studying modules worth 30 or 60 credits.

**Stage 2**

**240 credits**

**Diploma of higher education or Foundation degree**

To complete Stage 3, you’ll need a further 120 credits, studying modules worth 30 or 60 credits.

**Stage 3**

**360 credits**

**Honours degree**

1 Only available in the UK, Channel Islands, Isle of Man and Republic of Ireland.

Our integrated masters degree has four stages. See page 24 for further details.

**READ MORE**

Find out more about how you work towards an undergraduate qualification.

Visit [openuniversity.co.uk/ug-qual](http://openuniversity.co.uk/ug-qual)
Postgraduate
You’ll need to build up a set number of credits, which is done by successfully completing modules. You’ll need:
— 60 credits to gain a postgraduate certificate
— 120 credits to gain a postgraduate diploma
— 180 credits to gain a masters degree.
Modules are either compulsory or chosen from a range of options.

Getting started
All you need to do is choose which qualification you want to study and register on a module that counts towards that qualification.

60 credits
at postgraduate level.

Postgraduate certificate

A further 60 credits
at postgraduate level, totalling 120 credits.

Postgraduate diploma

A further 60 credits
at postgraduate level, totalling 180 credits.

Masters degree

READ MORE
Find out more about how you work towards a postgraduate qualification.

Visit openuniversity.co.uk/pg-qual
We’re different to other universities because we’re open to people based on their potential rather than their prior qualifications. Our students come from a diverse range of academic backgrounds, so we offer a choice of starting points depending on how confident you are in your study skills.

You can choose to dive straight into your qualification at Stage 1 or you can get started with an optional Access module. If you aren’t sure where to start, you can find more information on the best starting point for you on our website, visit openuniversity.co.uk/ready.

An Access module is a great place to start if you want a gentle introduction to Open University study. It can also help you find out more about your interests and where you want your learning to take you.

Access modules are currently only available for students resident in the UK, Channel Islands, Isle of Man and Republic of Ireland.

How Access modules work

You’ll have a dedicated tutor, who’ll provide academic support via email and one-to-one phone tutorials. Your Student Support Team will be on hand to help with everything else, including fees and funding, administrative support, and study-related guidance. Your Access module materials are a blend of printed and online resources. You’ll engage with the materials to complete tasks such as online quizzes and tutor-marked assignments. At the end, you’ll demonstrate your learning by completing a final written assignment. There’s no exam.

Access modules start in February, May and October and usually last for 30 weeks. Each week requires around nine or ten hours of study. If your module has the fast-track option, you can increase your study time and complete your Access module in just 18 weeks.

What you need

You’ll get access to your module website and your books and other printed materials will be posted out to you. All you need is:

— a phone
— a computer with internet access.

What you can study

Each Access module covers relevant topics and develops the skills you’ll need as you continue your chosen qualification.

**Science, technology and maths Access module (Y033)**

Grow your knowledge in a range of technical subjects, including science; engineering and design; environment; mathematics; and computing and IT. As the foundation for further studies in these fields, this module will help build your confidence and prepare you for more OU study.

Also available as Science, technology and maths Access module: fast track (YXFT033).

We offer two other Access modules, which are more relevant to other subject areas:

— Arts and languages Access module (Y031) – also available as Arts and languages Access module: fast track (YXFT031)
— People, work and society Access module (Y032)
**Do you qualify for a free Access module?**

You can study an Access module for **free** if you:

— live in the UK (excludes Channel Islands and Isle of Man) or have a British Forces Post Office address

— have a personal income of £25,000 or less, or you receive qualifying benefits

— have completed less than one year of a full-time undergraduate programme at FHEQ or CQFW level 4/SCQF level 7 or above, and not completed 30 credits or more of OU study.

**How much does an Access module cost?**

If you don’t qualify to study for free, the cost depends on where you live.

— In England, the Channel Islands, the Isle of Man and the Republic of Ireland it’s £807.

— In Northern Ireland and Scotland it’s £269.

— In Wales it’s £327.

You can pay up front by debit or credit card, or by bank transfer. Or spread the cost with an Open University Student Budget Account – for more, see page 21.

If you’re studying an Access module as part of an OU qualification and you live in England, Wales or Northern Ireland, you could cover the cost with a student loan – for more, see page 18.

---

**I chose an Access module to get me back into education. I’m now working towards an honours degree. This wouldn’t have been possible without the OU.**

Michelle Brennan
OU student

---

**Students who start with an Access module are more likely to be SUCCESSFUL when they advance to OU Stage 1 study.**

---

**MORE INFORMATION**

Find out more about our Access modules.

Visit [openuniversity.co.uk/ug-access](openuniversity.co.uk/ug-access)
HOW LONG YOUR QUALIFICATION WILL TAKE

We give you the flexibility to choose the amount of study you want to take on each year. That means you can get the qualification you want in a timeframe that works for you.

**Undergraduate qualifications**

Most of our students study part time, gaining 60 credits a year. That’s like studying at half the rate of a full-time course at a campus-based university. If you want to complete your study at full-time equivalent intensity, you’ll need to gain 120 credits per year.

### Part time | 60 credits a year | 16–18 study hours a week

<table>
<thead>
<tr>
<th>Qualification</th>
<th>Years to complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certificate of higher education (120 credits)</td>
<td>2</td>
</tr>
<tr>
<td>Diploma of higher education/Foundation degree (240 credits)</td>
<td>4</td>
</tr>
<tr>
<td>Honours degree (360 credits)</td>
<td>6</td>
</tr>
</tbody>
</table>

### Full time | 120 credits a year | 32–36 study hours a week

<table>
<thead>
<tr>
<th>Qualification</th>
<th>Years to complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certificate of higher education (120 credits)</td>
<td>2</td>
</tr>
<tr>
<td>Diploma of higher education/Foundation degree (240 credits)</td>
<td>3</td>
</tr>
<tr>
<td>Honours degree (360 credits)</td>
<td>5</td>
</tr>
</tbody>
</table>

Some qualifications follow a different pattern of study. See individual descriptions on our website for more information. All OU students are considered part-time students. This remains the same even if you choose to study at a full-time equivalent intensity.
Postgraduate qualifications

How long it will take to get your qualification depends on how it’s structured and the number of credits required. All of our postgraduate courses are offered as part-time study and the usual timescales for individual module completion are shown below.

—15–30 credit module – typically five months.
—60 credit module – typically nine months.

The guide below gives you an idea of how long it could take you to gain your qualification.

<table>
<thead>
<tr>
<th>Part time</th>
<th>60 credits a year</th>
<th>16–20 study hours a week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postgraduate certificate (60 credits)</td>
<td>![Bar chart showing 1 year to complete]</td>
<td></td>
</tr>
<tr>
<td>Postgraduate diploma (120 credits)</td>
<td>![Bar chart showing 2 years to complete]</td>
<td></td>
</tr>
<tr>
<td>Masters degree (180 credits)</td>
<td>![Bar chart showing 3 years to complete]</td>
<td></td>
</tr>
</tbody>
</table>

Some qualifications follow a different pattern of study. See individual descriptions on our website for more information.

Have you studied before?

If you've studied at university level before, you could count this study towards an OU qualification. This could save you time and money by reducing the number of modules you need to study. Visit openuniversity.co.uk/credit-transfer to find out more.
You’re never alone when you’re studying with The Open University. Your community of expert tutors and fellow students are here to support you every step of the way.

For each module, you’ll have a dedicated tutor who’ll be your first point of contact for any queries. They’ll lead regular tutorials, mark your assignments, provide detailed written feedback, and give support over the phone, through email, or online.

Our Students Association, OU Community forums and range of societies and groups mean you’re connected to one of the UK’s largest student communities.

There is a community at The Open University. Everyone supports each other. One tutor that really inspired me was Michael. His words of encouragement gave me a confidence boost. My grades just kept on improving and improving.

Joe Acaye
OU student

Your Students Association awaits

The Open University Students Association is a lot like a student union. Run by students, for students, it gives you access to our services and opportunities. You’re automatically a member, and there’s no fee.

It exists to help you make the most of your time studying, promote your interests and ensure the OU is more than just a place of learning – it’s a student community.

Led by a team of elected students, and supported by hundreds more, the Association:

— offers student support services
— creates opportunities to engage in a vibrant and inclusive student community
— is a strong, effective and accountable representative body for all OU students
— works in partnership with the OU to enhance the student experience.

Whether you’re looking for like-minded students, a club, society or support group, you’ll discover something for you.

To find out more, visit oustudents.com.

READ MORE
Find out more about how you’ll be supported during your studies.

Visit openuniversity.co.uk/community
HOW YOU’LL LEARN

With regular tutorials and an online hub to manage your studies, you’ll have everything you need to succeed.

Once you’ve registered, you’ll have access to StudentHome where you’ll be able to:

— see an overview of your course and the modules you’re studying
— submit your assignments
— choose and enrol on your next module
— visit our online Help Centre
— access your virtual learning environment.

The virtual learning environment or ‘module website’ contains all the online study resources you’ll need, including:

— a week-by-week study planner
— an assessment section, giving details of your assignments and their due dates
— the tutorial booking system
— your online tutorial room and your tutor’s contact details
— module forums where you can discuss topics with other students and complete collaborative work online
— PDF and accessible formats of your module materials and resources.

What you need

To study with us, you’ll need:

— a computer with internet access. Don’t worry if you haven’t got access to one right now – you could receive financial support to help you buy one
— a good grasp of the English language. We teach our courses in English. If you’re not sure whether your English is at the right level, go to openuniversity.co.uk/englishlanguage for help and guidance.

Almost 90% of OU students study online. To find out more, visit openuniversity.com/choose/online-learning.
YOUR FEES AND FUNDING OPTIONS

UNDERGRADUATE STUDY

We believe cost shouldn’t be a barrier to achieving your potential. That’s why our tuition fees are among the most competitive in the UK. Whatever your circumstances, we’re here to help you find a way of funding your studies that suits your circumstances.

How much does it cost?

You’ll fund your studies on a module-by-module basis, which means you won’t have to pay for your whole qualification up front. We’ve given you an idea of costs below:

FOR THOSE LIVING IN ENGLAND AND OUTSIDE THE UK

<table>
<thead>
<tr>
<th>Credits each year</th>
<th>Cost per year¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>£3,228</td>
</tr>
<tr>
<td>120</td>
<td>£6,456</td>
</tr>
</tbody>
</table>

In England and outside the UK, the total cost for a typical 360-credit honours degree based on today’s prices is £19,368. In England, that’s two-thirds the cost of an equivalent qualification offered at a campus-based university – a saving of over 30%.²

² 2022/23 prices; fees normally increase annually in line with inflation and the University’s strategic approach to fees.

FOR THOSE LIVING IN NORTHERN IRELAND OR SCOTLAND

<table>
<thead>
<tr>
<th>Credits each year</th>
<th>Cost per year²</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>£1,074</td>
</tr>
<tr>
<td>120</td>
<td>£2,148</td>
</tr>
</tbody>
</table>

In Northern Ireland and Scotland, the total cost for a typical 360-credit honours degree based on today’s prices is £6,444.

² 2022/23 prices (exceptions apply); fees normally increase annually in line with inflation and the University’s strategic approach to fees.

WHAT’S INCLUDED?

Your module materials, tuition, assessment and exams are all included in our module fees. There are some additional costs that aren’t included.

— You’ll need your own computer and internet access.

— For some modules, you may need to buy additional set books, such as fiction books or a language dictionary.

— You may need to pay for travel to tutorials or exams.

— A handful of our modules include a residential school. For these, you’ll need to fund the cost of travel to the residential school venue. There may also be additional costs for meals and accommodation.

Funding your studies

ENGLAND AND WALES

Part-Time Tuition Fee Loan

If you live in England or Wales the best way to fund your undergraduate studies, regardless of age or income, might be with a student loan. In fact, 80% of OU students in England and Wales fund their studies this way.

Key facts

— You don’t have to pay anything up front. Repayments only start when your salary exceeds the income threshold, which is currently £27,295.

— Repayments are deducted automatically from your salary.

— You can pay off the loan early without any penalties.

— Any balance outstanding after 30 years will be written off.

Here’s how your monthly student loan repayments could look:

<table>
<thead>
<tr>
<th>Income each year before tax</th>
<th>Monthly repayment⁵</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to £27,295</td>
<td>£0</td>
</tr>
<tr>
<td>£29,000</td>
<td>£12.79</td>
</tr>
<tr>
<td>£34,000</td>
<td>£50.29</td>
</tr>
</tbody>
</table>

⁵ Repayments are based on what you earn, not what you owe. You’ll repay 9% of what you earn over £27,295. For example, if you earn £29,000, you’ll repay £153.45 that year (9% of £1,705). That’s just £12.79 per month.

Already have an undergraduate degree?

You may still qualify for a student loan. You just need to be living in England or Wales and looking to study an eligible qualification.
WALES
If you live in Wales, you can also apply for maintenance grants and, if you need one, a top-up maintenance loan, to help with living costs.

Maintenance grants
You could be eligible for up to £4,500 a year. The money you receive isn’t a loan – you won’t need to pay any of it back. The amount you’ll be awarded is determined by your household income and the rate at which you study.

Maintenance loans
You’ll also be eligible to apply for a non-means-tested maintenance loan, should you need it, to ‘top-up’ the financial support you’ve received from grants.

NORTHERN IRELAND
If you live in Northern Ireland, you could be eligible for a fee grant and/or loan to help towards the cost of your tuition fees.

Part-Time Tuition Fee Grant
You could be eligible for up to £1,230 a year. The money you receive isn’t a loan – you won’t need to pay any of it back. The amount you’ll be awarded is determined by your household income and the rate at which you study.

Part-Time Tuition Fee Loan
If you’re not eligible for the grant, or if it doesn’t cover the full cost of your tuition fees, you can pay in full or in part using an alternative payment method, such as a Part-Time Tuition Fee Loan.

Course Grant
You may also be eligible for a non-repayable Course Grant of up to a maximum of £265 a year. It’s intended to help with course-related costs, such as a computer, internet access, stationery or travel to tutorials.

SCOTLAND
Part-Time Fee Grant
If you live in Scotland, you could qualify for a Part-Time Fee Grant and top-up funding to cover 100% of your course fees. You’ll likely be eligible if your personal income is £25,000 or less, or you’re on certain benefits, and you’re studying at least 30 credits a year. The fee grant and top-up funding aren’t loans, so you won’t need to pay any of it back.

Other support
Carers’ Bursary
If you provide unpaid care for a friend or family member who cannot cope without your support, you may be eligible for a bursary of £250 to support you with your study costs.

Care Experienced Bursary
If you have been in the care of a Local Authority at any stage of your life, you may be eligible for a bursary of £250 to support you with your study costs.

Carers’ Scholarship Fund
If you are, or have recently been, an unpaid carer, you may be able to study a full OU qualification for free.

Disabled Students’ Allowance
You could access financial support towards study costs incurred as a result of your disability.

Disabled Veterans’ Scholarships Fund
If you’ve been injured in, or due to, military service, you could be eligible for funding to complete a full Open University qualification.

Employer sponsorship
Your employer could partially or fully pay your module fees.

Open Futures Bursaries
If you identify as being from a Black, Asian or other minority ethnic background, you could get £500 towards study or living costs.

Study related costs
If you’re on a low household income or receive certain benefits, you might be eligible for additional funding for study-related costs, such as travel, childcare and internet access.

Self-funded study
If you’re not eligible for student loan or grant funding, or you live outside the UK, we offer a range of other funding options.

OUSBA loan
Pay your fees in instalments with a loan from Open University Student Budget Accounts Ltd. See page 21 for more information.

Card payments
Pay for each module with a debit or credit card in one quick, simple payment.

Mixed payments
Combine your payment options to fund your studies the way you want.

Find out more about undergraduate fees and funding.

Visit openuniversity.co.uk/ug-fees
Call 0300 303 5303
POSTGRADUATE STUDY

With The Open University, a world-class postgraduate qualification is an investment you can afford. Whatever your circumstances, we'll help you find a funding method that suits you.

How much does it cost?

You’ll fund your studies on a module-by-module basis, which means you won’t have to pay for your whole qualification up front. To find the total fee for your qualification, visit our website.

WHAT’S INCLUDED?

Your module materials, tuition, assessment and exams are all included in our module fees.

There are some additional costs that aren’t included.
— You’ll need your own computer and internet access.
— For some modules, you may need to buy additional set books, such as fiction or theory books.
— You may need to pay for travel to tutorials or exams.
— A handful of our modules include a residential school. For these, you’ll need to fund the cost of travel to the residential school venue. There may also be additional costs for meals and accommodation.

Funding your studies

ENGLAND

Postgraduate loan
If you live in England, you could be eligible for a maintenance loan of up to £11,836 from Student Finance England.
— Loans are non-means-tested, so eligibility isn’t based on your income.
— The money is paid directly to you.
— You’ll get your first instalment after you’ve paid for your first module and started studying.
— Payments are spread across two or three years.
— Repayments only start when you earn more than the income threshold (currently, £21,000).
— You’ll repay 6% of your income over £21,000. So, for example, if you earn £25,000, you’ll repay only £240 that year (6% of £4,000). That’s just £20 a month.
— Payments are deducted automatically from your salary.
— Any balance outstanding after 30 years will be written off.

To be eligible you must:
— be a resident in England
— be under 60 years old
— be studying a masters degree that can be completed in no more than three years
— not currently have a masters degree or equivalent
— be studying your qualification from the beginning.

WALES

If you live in Wales, you can apply for financial support over the duration of your qualification. And if you’re studying towards an eligible science-related qualification, or are aged 60+ when you start your studies, you could be eligible for additional bursary funding.

Learning grant and maintenance loan
— You could access up to £18,430 of maintenance grants and loans.
— You’ll automatically get a £1,000 non-repayable grant, rising to £6,885, depending on your income.
— Loans are non-means-tested, so eligibility isn’t based on your income.
— The money’s paid directly to you.
— Payments are made in instalments, spread across however long you’re studying.
— Loan repayments only start when you earn more than the income threshold (currently, £21,000).
— You’ll repay 6% of your income over the threshold – so, for example, if you earn £25,000, you’ll repay only £240 that year (6% of £4,000). That’s just £20 a month.

To be eligible you must be:
— a resident in Wales
— studying for a masters degree (and not already hold a masters degree or higher qualification)
— under 60 years old.

Wales STEMM bursary
If you study towards an eligible Science, Technology, Engineering, Mathematics, or Medicine (STEMM) masters, you might also be eligible for an additional £2,000 to help with study or living costs.
Wales 60+ bursary
If you’re aged 60 or over at the start of your masters’ seasonal academic year, you could receive a non-repayable bursary of up to £4,000 towards study or living costs.

NORTHERN IRELAND AND SCOTLAND

Postgraduate loan
If you live in Northern Ireland or Scotland, you could be eligible for a tuition fee loan of up to £5,500 from Student Finance Northern Ireland or the Student Awards Agency Scotland.

— Loans are non-means-tested, so eligibility isn’t based on your income.
— There’s no upper age limit.
— Payments are spread over either two or three years, depending on your chosen qualification.
— Repayments only start when you earn more than the income threshold (currently, £19,895 in Northern Ireland and £25,000 in Scotland).
— You’ll repay 9% of your income over the threshold – so, for example, if you earn £27,000 and live in Scotland, you’ll repay only £180 that year (9% of £2,000). That’s just £15 a month.
— Payments are deducted automatically from your salary.

To be eligible you must be:
— a resident in Northern Ireland or Scotland
— studying for an eligible postgraduate qualification.

Other support

Care Experienced Bursary
If you have been in the care of a Local Authority at any stage of your life, you may be eligible for a bursary of £250 to support you with your study costs.

Disabled Students’ Allowance
You could access financial support towards study costs incurred as a result of your disability.

Employer sponsorship
Your employer could partially or fully pay for your module fees.

Grant funding
We offer access to a database of over 600 non-OU funding bodies offering grants for postgraduate students studying, or looking to study, a masters, PGCE or research degree.

OU bursaries
Available only to OU honours graduates, our bursaries could help lower the cost of your postgraduate study.

Study related costs
If you’re on a low household income, or receive certain benefits, you might be eligible for additional funding for study-related costs, such as travel, childcare and internet access.

1 UK residents only.

Self-funded study
If you’re not eligible for loan or grant funding, or you live outside the UK, we offer a range of other funding options.

OUSBA loan
Pay your fees in instalments with a loan from Open University Student Budget Accounts Ltd. See right for more information.

Card payments
Pay for each module with a debit or credit card in one quick, simple payment.

Mixed payments
Combine your payment options to fund your studies the way you want.

Open University Student Budget Account (OUSBA)
When you enrol with us, if you are resident in the UK, European Union, Switzerland, Norway, Iceland, Andorra, Liechtenstein, Monaco, San Marino or Vatican City State, you’ll be offered the opportunity to pay your fees through a loan from OUSBA.

Here’s how it works
OUSBA will pay your fees to The Open University and then you can choose to repay OUSBA:
— in a single sum before your course starts. There’s no interest to pay with this option
— in monthly instalments of up to a year. With this option interest does apply.

The interest rate is fixed for the duration of the course (representative APR 5.1%). If you’re worried about affordability or a poor credit history, you can apply for a joint loan application with a third party. This could be with a partner, sibling or friend, for example.

As a responsible lender, OUSBA carries out affordability checks as part of the application process.

To find out more about OUSBA, visit openuniversity.co.uk/ousba.

FIND OUT MORE

Find out more about postgraduate fees and funding.

Visit openuniversity.co.uk/pg-fees
Call 0300 303 5303
FIND AN UNDERGRADUATE COURSE

You can register for the 2022/2023 academic year for undergraduate qualifications from 16 March 2022.

We’ve based the qualification start dates on the first module(s) you can study as part of your qualification.

<table>
<thead>
<tr>
<th>ENGINEERING</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Engineering (M04)</td>
<td>24</td>
</tr>
<tr>
<td>Bachelor of Engineering (Hons) (Q65)</td>
<td>26</td>
</tr>
<tr>
<td>Foundation Degree in Engineering (X11)</td>
<td>28</td>
</tr>
<tr>
<td>Top-up Bachelor of Engineering (Hons) (Q78)</td>
<td>30</td>
</tr>
<tr>
<td>BSc (Hons) Computing with Electronic Engineering (R62)</td>
<td>32</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DESIGN</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BA/BSc (Hons) Design and Innovation (Q61)</td>
<td>34</td>
</tr>
<tr>
<td>BSc (Hons) Computing &amp; IT and Design (Q67)</td>
<td>36</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMBINED STEM</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BSc (Hons) Combined STEM (R28)</td>
<td>38</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OPEN DEGREE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BA/BSc (Hons) Open (QD)</td>
<td>40</td>
</tr>
</tbody>
</table>
Our MEng is an integrated masters degree that combines undergraduate and postgraduate study, fulfilling the educational requirements for Chartered Engineer status.

Engineering is a creative and analytical subject. You’ll develop the skills, techniques, and knowledge that professional engineers need and learn the underpinning science and mathematics. The course has a common core with a choice of routes to suit your area of interest. You’ll work on real-life projects to create innovative solutions to challenging problems, teaming up with other students and working on your own projects.

**Why this qualification?**

— Gain the underpinning knowledge, understanding and skills for registration as a Chartered Engineer (CEng).

— Take part in individual and team-based projects, practical activities and remote access experiments.

— Move to a different engineering qualification if your aspirations change, even after you’ve started.

— Choose from a broad engineering route and six specialist routes.

— Develop your employability skills, including personal and professional development planning.

**Accreditation**

The following professional institutions accredit this degree under licence from the UK regulator, the Engineering Council:

— Institution of Engineering Designers (IED)

— Institution of Engineering and Technology (IET)

— Institute of Materials, Minerals & Mining (IOM3)

— Institution of Mechanical Engineers (IMechE)

**Are you ready?**

Check you have the necessary skills at openuniversity.co.uk/ready-for-engineering.

**Related qualifications**

Diploma of Higher Education in Engineering (W93) openuniversity.co.uk/w93

Certificate of Higher Education in Engineering (T48) openuniversity.co.uk/t48
Qualification structure

Our MEng has a broad engineering route and six specialist routes – you’ll choose one:

<table>
<thead>
<tr>
<th>Route</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>broad engineering</td>
<td>30</td>
</tr>
<tr>
<td>energy and sustainability</td>
<td>30</td>
</tr>
<tr>
<td>engineering management</td>
<td>30</td>
</tr>
<tr>
<td>environmental technologies</td>
<td>30</td>
</tr>
<tr>
<td>materials and design</td>
<td>30</td>
</tr>
<tr>
<td>mechanical engineering</td>
<td>30</td>
</tr>
<tr>
<td>modelling and applications</td>
<td>30</td>
</tr>
</tbody>
</table>

**Stage 1 – 120 credits**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering: origins, methods, context (T192)</td>
<td>30</td>
</tr>
<tr>
<td>Engineering: frameworks, analysis, production (T193)</td>
<td>30</td>
</tr>
<tr>
<td>Engineering: mathematics, modelling, applications (T194)</td>
<td>30</td>
</tr>
<tr>
<td>Engineering: professions, practice and skills 1 (T176)</td>
<td>30</td>
</tr>
</tbody>
</table>

**Certificate of Higher Education in Engineering (T48)**

**Stage 2 – 120 credits**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core engineering A (T271)</td>
<td>30</td>
</tr>
<tr>
<td>Core engineering B (T272)</td>
<td>30</td>
</tr>
<tr>
<td>You’ll study 30 credits from your chosen route – go to openuniversity.co.uk/m04</td>
<td></td>
</tr>
<tr>
<td>Engineering: professions, practice and skills 2 (T276)</td>
<td>30</td>
</tr>
</tbody>
</table>

**Diploma of Higher Education in Engineering (W93)**

**Stage 3 – 120 credits**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology and innovation management (TB801)</td>
<td>30</td>
</tr>
<tr>
<td>OR Strategic capabilities for technological innovation (T849)</td>
<td>30</td>
</tr>
</tbody>
</table>

**The MEng individual project (T460) (30 credits)**

**Stage 4 – 120 credits**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Team engineering (T885)</td>
<td>30</td>
</tr>
</tbody>
</table>

**More Online**

Find out more about this course, fees and funding, and how to register.

Visit openuniversity.co.uk/m04
Call 0300 303 5303
This general engineering qualification fulfils the educational requirements for Incorporated Engineer status. In addition, the combination of this degree and an accredited MSc meets the requirements for Chartered Engineer status.

Why this qualification?

— Gain the underpinning knowledge, understanding and skills for registration as an Incorporated Engineer (IEng).
— Take part in individual and team-based projects, practical activities and remote access experiments.
— Move to a different engineering qualification if your aspirations change, even after you’ve started.
— Choose from a broad engineering route and six specialist routes.
— Develop your employability skills, including personal and professional development planning.

Accreditation

The following professional institutions accredit this degree under licence from the UK regulator, the Engineering Council:
— Institution of Engineering and Technology (IET)
— Institute of Materials, Minerals & Mining (IOM3)
— Institution of Mechanical Engineers (IMechE)

Are you ready?

Check you have the necessary skills at openuniversity.co.uk/ready-for-engineering.

Related qualifications

Certificate of Higher Education in Engineering (T48) openuniversity.co.uk/t48
Diploma of Higher Education in Engineering (W93) openuniversity.co.uk/w93
Qualification structure

Our BEng (Hons) has a broad engineering route and six specialist routes – you’ll choose one:

- broad engineering
- electronics
- energy and sustainability
- engineering design
- environmental technologies
- mathematical methods
- mechanical engineering.

Stage 1 – 120 credits

Engineering: origins, methods, context (T192) (30 credits)

Engineering: frameworks, analysis, production (T193) (30 credits)

Engineering: mathematics, modelling, applications (T194) (30 credits)

Engineering: professions, practice and skills 1 (T176) (30 credits)

Certificate of Higher Education in Engineering (T48)

Stage 2 – 120 credits

Core engineering A (T271) (30 credits)

Core engineering B (T272) (30 credits)

You’ll study 30 credits related to your chosen route – go to openuniversity.co.uk/q65

Engineering: professions, practice and skills 2 (T276) (30 credits)

Diploma of Higher Education in Engineering (W93)

Stage 3 – 120 credits

You’ll study 90 credits related to your chosen route – go to openuniversity.co.uk/q65

The engineering project (T452) (30 credits)

BACHELOR OF ENGINEERING (HONS)

Qualification delivery, module availability and qualification structure are subject to change.

AT A GLANCE

Course code Q65

Total credits 360

Start dates
Oct 2022 Register by 8 Sep 2022
Apr 2023 Register by 9 Mar 2023

Entry requirements
No specific requirements

Assessment
Based on a mix of:
- Tutor-marked assignments
- Interactive computer-marked assignments
- End-of-module assessments
- Examinations

Study duration
Part time: 6 years

Mode of study
The learning materials provided are a balance of print and online

Electronic versions of printed materials available (e.g. PDF)

Online forum Compulsory

Collaborative work Compulsory

MORE ONLINE

Find out more about this course, fees and funding, and how to register.

Visit openuniversity.co.uk/q65
Call 0300 303 5303
This foundation degree combines academic skills with the needs of your workplace. Boost your career if you’re working in an engineering-related job at a technical level.

Build on your existing skills and experience to support your professional development plans. You’ll apply the study of engineering fundamentals to the solution of real-life problems. Topics include design, electronics, energy, manufacturing, materials, mechanics and structural analysis. It also develops your maths skills, which are crucial to successful engineering studies.

Why this qualification?

— Tackle real problems by applying your study of engineering fundamentals.
— Develop your mathematics skills – key to successfully studying engineering.
— Build on your existing skills and experience with two work-related modules.
— Gain a solid foundation for further study, with the option to top up to an accredited honours degree (see pages 30–31).

Are you ready?

Check you have the necessary skills at openuniversity.co.uk/ready-for-engineering.

Accreditation

The following professional institutions accredit this degree under licence from the UK regulator, the Engineering Council:
— Institution of Engineering Designers (IED)
— Institution of Engineering and Technology (IET)
— Institute of Materials, Minerals & Mining (IOM3)
— Institution of Mechanical Engineers (IMechE)
QUALIFICATION STRUCTURE

**Stage 1 – 120 credits**

- **Engineering: origins, methods, context** (T192) (30 credits)
- **Engineering: frameworks, analysis, production** (T193) (30 credits)
- **Engineering: mathematics, modelling, applications** (T194) (30 credits)
- **Engineering at work** (T198) (30 credits)

**Stage 2 – 120 credits**

- **Core engineering A** (T271) (30 credits)
- **Core engineering B** (T272) (30 credits)
- You'll choose 30 credits from a selection of modules – go to openuniversity.co.uk/x11
- **Change, strategy and projects at work** (T227) (30 credits)

**FOUNDATION DEGREE IN ENGINEERING**

Qualification delivery, module availability and qualification structure are subject to change.

---

**AT A GLANCE**

- **Course code**: X11
- **Total credits**: 240
- **Start dates**
  - Oct 2022: Register by 8 Sep 2022
  - Apr 2023: Register by 9 Mar 2023
- **Entry requirements**: You must be in engineering-related employment
- **Assessment**: Based on a mix of:
  - Tutor-marked assignments
  - Interactive computer-marked assignments
  - End-of-module assessments
  - Examinations
- **Study duration**: Part time: 4 years
- **Mode of study**: The learning materials provided are a balance of print and online
  - Electronic versions of printed materials available (e.g. PDF)
  - Online forum
    - Compulsory
  - Collaborative work
    - Optional

---

**Meet our academics**

Aerospace, automotive and nuclear industries all have components that cannot be allowed to fail. Dr Foroogh Hosseinzadeh, Senior Lecturer works with these industries to ensure that critical components are as safe as possible.

Find out more about Foroogh’s work at openuniversity.co.uk/fh.

**MORE ONLINE**

Find out more about this course, fees and funding, and how to register.

Visit openuniversity.co.uk/x11
Call 0300 303 5303
TOP-UP BACHELOR OF ENGINEERING (HONS)

Top up your existing qualification to an honours degree. You can add to your OU Foundation Degree in Engineering or equivalent qualification from somewhere else.

Tailor your studies to suit your background and previous study. Develop your knowledge and skills and open up further career opportunities. Study choices include communications, design, electronics, environmental management, mathematics, mechanical modelling, nanoengineering, renewable energy, and structural integrity. You’ll also complete an engineering project.

Why this qualification?
— Progress from your vocational qualification (e.g. HND) to an honours degree.
— Choose modules to fit with your previous study.
— Develop your analytical skills – key to successfully studying engineering.
— Prepare for further engineering study at postgraduate level.

Accreditation
The following professional institutions accredit this degree under licence from the UK regulator, the Engineering Council:
— Institution of Engineering Designers (IED)
— Institution of Engineering and Technology (IET)
— Institute of Materials, Minerals & Mining (IOM3)
— Institution of Mechanical Engineers (IMechE)
Qualification structure

This qualification begins at Stage 3; your existing qualification will make up Stages 1 and 2.

You’ll choose 90 credits from:
- Electronics: signal processing, control and communications (T312) (30 credits)
- Environmental management 2 (T319) (30 credits)
- Innovation: designing for change (T317) (60 credits)
- Mechanical engineering: computer-aided engineering (T329) (30 credits)
- Nanoscale engineering (T366) (30 credits)
- Renewable energy (T313) (30 credits)
- Structural integrity: predicting and assessing performance (T367) (30 credits)
- Communications technology (TM355) (30 credits)
- Deterministic and stochastic dynamics (MS327) (30 credits)
- Graphs, networks and design (MT365) (30 credits)
- Mathematical methods and fluid mechanics (MST326) (30 credits)
- Optimization (M373) (30 credits)

The engineering project (T452) (30 credits)

BACHELOR OF ENGINEERING (HONS)

Qualification delivery, module availability and qualification structure are subject to change.
BSc (HONS) COMPUTING WITH ELECTRONIC ENGINEERING

Smart devices are now omnipresent; computing, electronics and telecommunications are now an integral part of our everyday lives. This combined degree develops your understanding of computing and electronic engineering, emphasising practical knowledge and skills required by industry. It considers digital technologies, programming, networking, manufacturing methods related to product design, environmental sustainability, and the legal requirements to promote good practice.

Gain a sound grasp of the principles of hardware-based, software-based, or systems-based technologies. Developing computing skills alongside knowledge of electronics opens up exciting career opportunities. You’ll be able to apply your knowledge and skills in a range of industries and organisations. It also incorporates transferable skills applicable to professional development in the field.

Why this qualification?
— Practice electronics using our award-winning OpenSTEM Labs.
— Develop your programming and other computing skills.
— Choose from four focus options within the computing strand.
— Develop transferable skills applicable to both computing and engineering professions.

Are you ready?
Check you have the necessary skills at openuniversity.co.uk/ready-for-engineering.

Related qualifications
Diploma of Higher Education in Computing with Electronic Engineering (W92)
openuniversity.co.uk/w92
Certificate of Higher Education in Computing and Engineering (T47)
openuniversity.co.uk/t47
Qualification structure

You’ll choose one computing focus area:
- computer science
- communications and networking
- software development
- web development.

The example shows communications and networking; other routes vary. Go to openuniversity.co.uk/r62 for details.

Example route

Stage 1 – 120 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TM111</td>
<td>Introduction to computing and information technology 1</td>
</tr>
<tr>
<td>TM112</td>
<td>Introduction to computing and information technology 2</td>
</tr>
<tr>
<td>T193</td>
<td>Engineering: frameworks, analysis, production</td>
</tr>
<tr>
<td>T194</td>
<td>Engineering: mathematics, modelling, applications</td>
</tr>
</tbody>
</table>

Certificate of Higher Education in Computing and Engineering (T47)

Stage 2 – 120 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TM257</td>
<td>Cisco networking (CCNA) part 1</td>
</tr>
<tr>
<td>TM255</td>
<td>Communications and information technologies</td>
</tr>
<tr>
<td>T212</td>
<td>Electronics: sensing, logic and actuation</td>
</tr>
</tbody>
</table>

You’ll choose 30 credits from a selection of modules – go to openuniversity.co.uk/r62

Diploma of Higher Education in Computing with Electronic Engineering (W92)

Stage 3 – 120 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>T312</td>
<td>Electronics: signal processing, control and communications</td>
</tr>
<tr>
<td>TM470</td>
<td>The computing and IT project</td>
</tr>
<tr>
<td>T452</td>
<td>The engineering project</td>
</tr>
</tbody>
</table>

BSc (HONS) COMPUTING WITH ELECTRONIC ENGINEERING

Qualification delivery, module availability and qualification structure are subject to change.
BA/BSc (HONS) DESIGN AND INNOVATION

This general design degree focuses on developing creative thinking and practical work to address many problems, not just those in the creative industries.

The design modules feature online design studios, social networking and inspiring study materials alongside a significant practical component. As well as design, you’ll study modules in complementary subjects, gaining skills and knowledge in an area that fits your needs and interests.

Why this qualification?
— Build a portfolio of design work to show your ideas and skills.
— Learn about several different design specialisms.
— Focus on the process and application of design and innovation in real-world contexts.

Routes through this qualification
There’s a Bachelor of Arts (BA) route and a Bachelor of Science (BSc) route. For each, we’ve identified themes to help you plan your study; for details, go to openuniversity.co.uk/q61.

BA (Bachelor of Arts)
— Culture and aesthetics
— Health and wellbeing
— Management
— Society
— Sustainability

BSc (Bachelor of Science)
— Energy
— Engineering
— Environment
— Interfaces and interaction

Accreditation
Recognised by the Institute of Engineering Designers (IED).¹

¹ IED recognition applies to the BSc route.

Related qualifications
Diploma of Higher Education in Design and Innovation (W73) openuniversity.co.uk/w73
Certificate of Higher Education in Design and Innovation (T37) openuniversity.co.uk/t37
Qualification structure

**Stage 1** – 120 credits

<table>
<thead>
<tr>
<th>Module</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design thinking: creativity for the 21st century (U101)</td>
<td>60</td>
</tr>
</tbody>
</table>

You'll choose 60 credits from a selection of modules – go to openuniversity.co.uk/q61

**Certificate of Higher Education in Design and Innovation (T37)**

**Stage 2** – 120 credits

<table>
<thead>
<tr>
<th>Module</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design essentials (T217)</td>
<td>60</td>
</tr>
</tbody>
</table>

You'll choose 60 credits from a selection of modules – go to openuniversity.co.uk/q61

**Diploma of Higher Education in Design and Innovation (W73)**

**Stage 3** – 120 credits

<table>
<thead>
<tr>
<th>Module</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Innovation: designing for change (T317)</td>
<td>60</td>
</tr>
</tbody>
</table>

You'll choose 60 credits from a selection of modules – go to openuniversity.co.uk/q61

**BA/BSc (HONS) DESIGN AND INNOVATION**

Qualification delivery, module availability and qualification structure are subject to change.

---

**AT A GLANCE**

**Course code**

Q61

**Total credits**

360

**Start dates**

- Oct 2022: Register by 8 Sep 2022
- Apr 2023: Register by 9 Mar 2023

**Entry requirements**

No specific requirements – you don’t need a portfolio or grades to get onto the course

**Assessment**

Based on a mix of:
- Tutor-marked assignments
- End-of-module assessments
- Examinations

**Study duration**

- Part time: 6 years
- Full time: 3 years

**Mode of study**

The learning materials provided are a balance of print and online

- Electronic versions of printed materials available (e.g. PDF) ✓
- Online forum Optional ✓
- Collaborative work Optional ✓

---

**MORE ONLINE**

Find out more about this course, fees and funding, and how to register.

Visit openuniversity.co.uk/q61

Call 0300 303 5303
Computing & IT studied with design can open career opportunities in a wide range of sectors.

Develop creative design thinking to address computer-based technology problems, preparing you to contribute to the design of the digital applications of the future. We’ll introduce user-centred design, sustainable design, and the design process, complementing the computing & IT skills and knowledge you’ll develop.

**Why this qualification?**

— Combine complementary subjects – design and computing & IT.
— Choose from four focus options within the computing & IT strand.
— Build a portfolio of design work to show your ideas and skills.
— Use online design studios as part of your practical design work.

**Accreditation**

Accredited by BCS, The Chartered Institute for IT.

**Related qualifications**

Diploma of Higher Education in Computing & IT and Design (W42)  
[openuniversity.co.uk/w42](http://openuniversity.co.uk/w42)

Certificate of Higher Education in Computing & IT and Design (T13)  
[openuniversity.co.uk/t13](http://openuniversity.co.uk/t13)
Qualification structure

You’ll choose one computing & IT focus area:

— computer science
— communications and networking
— software development
— web development.

The example route shows computer science; other routes vary. Go to openuniversity.co.uk/q67-citd for details.

Example route

<table>
<thead>
<tr>
<th>Stage 1</th>
<th>120 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to computing and information technology 1 (TM111) (30 credits)</td>
<td></td>
</tr>
<tr>
<td>Introduction to computing and information technology 2 (TM112) (30 credits)</td>
<td></td>
</tr>
<tr>
<td>Design thinking: creativity for the 21st century (U101) (60 credits)</td>
<td></td>
</tr>
</tbody>
</table>

Certificate of Higher Education in Computing & IT and Design (T13)

<table>
<thead>
<tr>
<th>Stage 2</th>
<th>120 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Object-oriented Java programming (M250) (30 credits)</td>
<td></td>
</tr>
<tr>
<td>Algorithms, data structures and computability (M269) (30 credits)</td>
<td></td>
</tr>
<tr>
<td>Design essentials (T217) (60 credits)</td>
<td></td>
</tr>
</tbody>
</table>

Diploma of Higher Education in Computing & IT and Design (W42)

<table>
<thead>
<tr>
<th>Stage 3</th>
<th>120 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>You’ll choose 30 credits from a selection of computing and IT modules – go to openuniversity.co.uk/q67-citd</td>
<td></td>
</tr>
<tr>
<td>Innovation: designing for change (T317) (60 credits)</td>
<td></td>
</tr>
<tr>
<td>The computing and IT project (TM470) (30 credits)</td>
<td></td>
</tr>
</tbody>
</table>

BSc (HONS) COMPUTING & IT AND DESIGN

Qualification delivery, module availability and qualification structure are subject to change.

AT A GLANCE

<table>
<thead>
<tr>
<th>Course code</th>
<th>Q67</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total credits</td>
<td>360</td>
</tr>
<tr>
<td>Start dates</td>
<td>Oct 2022 Register by 8 Sep 2022</td>
</tr>
<tr>
<td></td>
<td>Feb 2023 Register by 12 Jan 2023</td>
</tr>
<tr>
<td></td>
<td>Apr 2023 Register by 9 Mar 2023</td>
</tr>
<tr>
<td>Entry requirements</td>
<td>No specific requirements</td>
</tr>
<tr>
<td>Assessment</td>
<td>Based on a mix of: — Tutor-marked assignments — Interactive computer-marked assignments — End-of-module assessments — Examinations</td>
</tr>
<tr>
<td>Study duration</td>
<td>Part time: 6 years Full time: 3 years</td>
</tr>
<tr>
<td>Mode of study</td>
<td>The learning materials provided are mostly online with some print</td>
</tr>
<tr>
<td>Online forum</td>
<td>Compulsory</td>
</tr>
<tr>
<td>Collaborative work</td>
<td>Compulsory</td>
</tr>
</tbody>
</table>

MORE ONLINE

Find out more about this course, fees and funding, and how to register.

Visit openuniversity.co.uk/q67-citd
Call 0300 303 5303
This flexible degree combines science, technology, engineering and mathematics (STEM). Build your degree from a wide range of STEM modules and study routes and create a qualification that’s unique to you.

Our BSc (Hons) Combined STEM allows you to study more than just one STEM subject – to fit your personal and professional needs, interests and aspirations. You’ll gain an appreciation of the interconnections between the STEM disciplines you choose.

The flexibility of this degree makes it relevant to a wide range of careers and industries – many of which require proficiency in a range of STEM-based skills. It can help you develop your existing career or start a new one.

**Why this qualification?**

— Choose modules from across STEM subjects or focus on one or two areas.
— Switch direction if your needs or interests change.
— Count university-level credits you’ve gained from elsewhere.

**Are you ready?**

Check you have the necessary skills at [openuniversity.co.uk/ready-for-engineering](http://openuniversity.co.uk/ready-for-engineering).

**Degree holders in England and Wales**

Even if you already have a degree, you could be eligible for a student loan to fund the BSc (Hons) Combined STEM. For more information, go to [openuniversity.co.uk/quals](http://openuniversity.co.uk/quals).

**Study routes if you want to focus on a subject related to engineering, design or technology**

— Design
— Engineering
— Environmental technology

---

**BSc (HONS) COMBINED STEM**
How you can focus your combined STEM degree on engineering

This selection of modules shows how you can focus on engineering. It’s just one example of the many combinations you can study; you’re not restricted to this route.

Example route

Stage 1 – 120 credits

Engineering: origins, methods, context (T192) (30 credits)

You’ll choose 60 credits from a wide range of OU level 1 modules

Stage 2 – 120 credits

Core engineering A (T271) (30 credits)

Energy and sustainability (T213) (30 credits)

You’ll choose 60 credits from a wide range of OU level 2 modules

Stage 3 – 120 credits

Nanoscale engineering (T366) (30 credits)

Renewable energy (T313) (30 credits)

You’ll choose 60 credits from a wide range of OU level 3 STEM modules

BSc (HONS) COMBINED STEM

Qualification delivery, module availability and qualification structure are subject to change.

AT A GLANCE

Course code R28

Total credits 360

Start dates
Oct 2022
Register by 8 Sep 2022
Feb 2023
Register by 13 Jan 2023

Entry requirements
No specific requirements

Assessment
Depending on the modules you choose to study, you may be assessed in any or all of the following ways:
— Tutor-marked assignments
— Interactive computer-marked assignments
— End-of-module assessments
— Examinations

Study duration
Part time: 6 years
Full time: 3 years

Mode of study
As the BSc (Hons) Combined STEM can be made up of a range of different modules, the learning materials provided, use of online forums and inclusion of collaborative work will depend on the modules you choose

MORE ONLINE

Find out more about this course, fees and funding, and how to register.

Visit openuniversity.co.uk/r28
Call 0300 303 5303
Do you want the freedom to study a range of subjects that interest you? Then our Open qualifications are ideal.

Some of the key questions in the world today require expertise from a range of subjects. Multidisciplinary study has always been at the heart of The Open University and our Open qualifications allow you to bring together different areas of study in a completely flexible way to develop knowledge and skills.

The BA/BSc (Hons) Open allows you to choose modules from a wide range of subject areas so you can, for example, combine design modules with modules from other disciplines, such as science or the humanities. It is a degree with a difference. Free from the restriction of a subject-specific specialism, you’re in control of the direction of your learning.

Why this qualification?
— Tailor your qualification to suit your needs.
— Create your own unique multidisciplinary degree and skill set.
— Adapt your study plans to match your evolving aspirations.
— Count previous university study towards your qualification.

Open qualifications and your career
The BA/BSc (Hons) Open equips you with a wide range of expertise, skills and capabilities through multidisciplinary study. These qualities are sought after in today’s highly competitive job market. An Open qualification on your CV shows more than your level of knowledge about a subject; employers know that you are flexible and adaptable, potentially having studied across a range of topics. You’ll have a highly employable set of skills and attributes, including:
— self-management and resilience
— critical thinking
— analysis and problem solving.

The fact that the OU has the option of choosing an Open degree is fabulous. So many people I have spoken to wish that they’d had this option at university rather than going down one route.

Carol Dow
BA (Hons) Open

Related qualifications
Diploma of Higher Education Open (W34)
openuniversity.co.uk/w34
Certificate of Higher Education Open (T09)
openuniversity.co.uk/t09
How you can focus your Open degree on design

This selection of modules shows how you can focus on design in combination with other subjects that are of particular interest to you.

However, this is just one example of the many combinations you can study and you’re not restricted to this route.

Example route

Stage 1 – 120 credits

Design thinking: creativity for the 21st century (U101) (60 credits)

You’ll choose 60 credits from a wide range of OU level 1 modules

Certificate of Higher Education Open (T09)

Stage 2 – 120 credits

Design essentials (T217) (60 credits)

You’ll choose 60 credits from a wide range of OU level 2 modules

Diploma of Higher Education Open (W34)

Stage 3 – 120 credits

Innovation: designing for change (T317) (60 credits)

You’ll choose 60 credits from a wide range of OU level 3 modules

BA/BSc (Hons) Open

1 Whether you qualify for a BA or BSc (Hons) Open will be determined by the number of credits you have from modules suitable for a BA or for a BSc.

AT A GLANCE

Course code: QD

Total credits: 360

Start dates:
Oct 2022
Register by 8 Sep 2022
Feb 2023
Register by 12 Jan 2023

Entry requirements:
No specific requirements

Assessment:
Depending on the modules you choose to study, you may be assessed in any or all of the following ways:
― Tutor-marked assignments
― Interactive computer-marked assignments
― End-of-module assessments
― Examinations

Study duration:
Part time: 6 years
Full time: 3 years

Mode of study:
As the BA/BSc (Hons) Open can be made up of a range of different modules, the learning materials provided, use of online forums and inclusion of collaborative work will depend on the modules you choose to study.

MORE ONLINE

Find out more about this course, fees and funding, and how to register.

Visit:
openuniversity.co.uk/qd
Call:
0300 303 5303

41
To work towards a postgraduate qualification, you first need to choose and register on a module that counts towards that qualification.

**ENGINEERING**
- MSc in Engineering (F46) 44

**TECHNOLOGY MANAGEMENT**
- MSc in Technology Management (F36) 46
- MBA (Technology Management) (F69) 48

**SYSTEMS THINKING IN PRACTICE**
- MSc in Systems Thinking in Practice (F47) 50

**ENVIRONMENTAL MANAGEMENT**
- MSc in Environmental Management (F65) 52

**OPEN MASTERS**
- MA/MSc Open (F81) 54
Combine modules from engineering analysis and technology. Shape a qualification that suits your career aspirations.

You'll develop a range of transferable skills, such as creative problem solving, effective communication, project management and concept realisation. You'll also develop a professional approach to your work and extend your engineering skills. Through the project module and as part of a small project team, you'll design and present a solution to a real-world engineering need.

**Accreditation**

The following professional institutions accredit this degree under licence from the UK regulator, the Engineering Council:

— Institution of Engineering Designers (IED)
— Institution of Engineering and Technology (IET)
— Institute of Materials, Minerals & Mining (IOM3)
— Institution of Mechanical Engineers (IMechE)
Qualification structure

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>You'll choose 30 credits from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finite element analysis: basic principles and applications</td>
<td>30</td>
<td>T804</td>
</tr>
<tr>
<td>Manufacture materials design</td>
<td>30</td>
<td>T805</td>
</tr>
<tr>
<td>You'll choose 60 credits from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calculus of variations and advanced calculus</td>
<td>30</td>
<td>M820</td>
</tr>
<tr>
<td>Environmental monitoring and protection</td>
<td>30</td>
<td>T868</td>
</tr>
<tr>
<td>Finite element analysis: basic principles and applications</td>
<td>30</td>
<td>T804</td>
</tr>
<tr>
<td>Making environmental decisions</td>
<td>30</td>
<td>T891</td>
</tr>
<tr>
<td>Making strategy with systems thinking in practice</td>
<td>30</td>
<td>T881</td>
</tr>
<tr>
<td>Managing change with systems thinking in practice</td>
<td>30</td>
<td>T872</td>
</tr>
<tr>
<td>Manufacture materials design</td>
<td>30</td>
<td>T805</td>
</tr>
<tr>
<td>Project management</td>
<td>30</td>
<td>M815</td>
</tr>
<tr>
<td>Strategic capabilities for technological innovation</td>
<td>30</td>
<td>T849</td>
</tr>
</tbody>
</table>

Modules

- Technology and innovation management
- Mathematical methods and fluid mechanics
- Deterministic and stochastic dynamics

You'll study the following:

- Team engineering 30 T885

Postgraduate Diploma in Engineering (E22)

You'll choose 60 credits from either the Research route or the Professional route:

**RESEARCH ROUTE**

- Research project 60 T802

**PROFESSIONAL ROUTE**

- Project management 30 M815
- The MSc professional project 30 T847

MSC IN ENGINEERING

- Option modules
- Compulsory modules
- Intermediate qualification
- Awarded qualification

Module availability is subject to change.

1. If you intend to follow the professional route, don’t choose M815 here – you’ll study it later on.
2. You may choose only one of these two modules.

AT A GLANCE

- **Course code**: F46
- **Total credits**: 180
- **Start dates**
  - Oct 2022: Register by 8 Sept 2022
  - Nov 2022: Register by 6 Oct 2022
  - May 2023: Register by 6 Apr 2023
- **Entry requirements**
  - UK honours degree (or equivalent) with high mathematics content
  - If you have appropriate experience, we may allow you to start studying without having a degree
- **Study duration**
  - Part time: 4 years

Related qualification

Postgraduate Diploma in Engineering (E22)

openuniversity.co.uk/e22

MORE ONLINE

Find out more about this course, fees and funding, and how to register.

Visit openuniversity.co.uk/f46
Call 0300 303 5303
MSc IN TECHNOLOGY MANAGEMENT

This MSc provides the knowledge and skills to make decisions about technology strategy, innovation and management, to make a real difference to your organisation.

You’ll focus on the operational aspects of managing technological innovation and change. Explore a range of capabilities key to the strategic development and management of technological innovation. And conclude with an in-depth investigation of a topic or problem of your choice.

Meet our academics

Dr Sally Caird was invited by New Cities Foundation, with partners Cisco, to write on the complex challenges facing cities in the 21st century.

“With the increase of smart city programmes around the world, it’s become important to measure the impacts of smart city developments and prove their value. My research focused on identifying suitable measurement, evaluation and reporting to demonstrate that these developments are delivering the future cities we want.”

Find out more about Sally’s research at openuniversity.co.uk/sc.
### Qualification structure

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Postgraduate courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strategic capabilities for technological innovation</td>
<td>30</td>
<td>T849</td>
</tr>
<tr>
<td>Technology and innovation management</td>
<td>30</td>
<td>T8801</td>
</tr>
</tbody>
</table>

You’ll choose 60 credits from:

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Making strategy with systems thinking in practice</td>
<td>30</td>
<td>TB871</td>
</tr>
<tr>
<td>Managing change with systems thinking in practice</td>
<td>30</td>
<td>TB872</td>
</tr>
<tr>
<td>Information security</td>
<td>30</td>
<td>M811</td>
</tr>
<tr>
<td>Digital forensics</td>
<td>30</td>
<td>M812</td>
</tr>
<tr>
<td>Software development</td>
<td>30</td>
<td>M813</td>
</tr>
<tr>
<td>Software engineering</td>
<td>30</td>
<td>M814</td>
</tr>
<tr>
<td>Project management</td>
<td>30</td>
<td>M815</td>
</tr>
<tr>
<td>Data management</td>
<td>30</td>
<td>M816</td>
</tr>
<tr>
<td>Network security</td>
<td>30</td>
<td>T828</td>
</tr>
<tr>
<td>Advanced networking (CCNP Enterprise)</td>
<td>60</td>
<td>T829</td>
</tr>
<tr>
<td>Manufacture materials design</td>
<td>30</td>
<td>T805</td>
</tr>
<tr>
<td>Making environmental decisions</td>
<td>30</td>
<td>T891</td>
</tr>
<tr>
<td>Managing in a changing world</td>
<td>30</td>
<td>B870</td>
</tr>
<tr>
<td>Creating and sustaining value</td>
<td>30</td>
<td>B872</td>
</tr>
</tbody>
</table>

### Sustainable creative management
- 15 credits
- Code: BB842

### Entrepreneurship in context
- 15 credits
- Code: BB851

### Leadership and management of public services
- 15 credits
- Code: BB852

### Contemporary issues in organisations
- 15 credits
- Code: BB853

### Continuing professional development in practice
- 30 credits
- Code: U810

### Advance your independent learning
- 30 credits
- Code: YXM830

### AT A GLANCE

**Course code**: F36

**Total credits**: 180

**Start dates**
- Nov 2022: Register by 6 Oct 2022
- May 2023: Register by 6 Apr 2023

**Entry requirements**
- There are no formal entry requirements. However, we recommend you have:
  - a UK honours degree (or equivalent)
  - management experience in a technology-related field

**Study duration**
- Part time: 3 years

**Related qualifications**
- Postgraduate Diploma in Technology Management (E08) [openuniversity.co.uk/e08](openuniversity.co.uk/e08)
- Postgraduate Certificate in Technology Management (C49) [openuniversity.co.uk/c49](openuniversity.co.uk/c49)

**MORE ONLINE**

Find out more about this course, fees and funding, and how to register.

Visit [openuniversity.co.uk/f36](openuniversity.co.uk/f36)
Call 0300 303 5303
If you’re looking for an MBA with a focus on technology, this is the qualification for you.

It is applicable to technology management and technological innovation in a wide variety of contexts and sectors, including IT/IS; telecommunications; computing; engineering; manufacturing; transport and logistics; retailing; energy production and supply; defence and security; management and administration; and any form of services, including health, welfare and leisure.

You will focus on strategic analysis and intellectual stimulation whilst gaining interdisciplinary skills and independent judgement – exploring the processes that underpin technological innovation and the challenges of technology from a strategic perspective, with your learning firmly rooted in management practice throughout.

Accreditation

Only 1% of all business schools are triple accredited. With accreditation from AACSB, AMBA and EQUIS, the OU Business School is one of them.
## Qualification structure

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Managing in a changing world</td>
<td>30</td>
<td>B870</td>
</tr>
<tr>
<td>Creating and sustaining value</td>
<td>30</td>
<td>B872</td>
</tr>
<tr>
<td>Technology and innovation management</td>
<td>30</td>
<td>TB801</td>
</tr>
<tr>
<td>Strategic capabilities for technological innovation</td>
<td>30</td>
<td>T849</td>
</tr>
<tr>
<td>Finance for strategic decision making</td>
<td>15</td>
<td>B874</td>
</tr>
<tr>
<td>Residential school module</td>
<td>N/A</td>
<td>BXR873</td>
</tr>
<tr>
<td>Plus at least 15 credits from the following elective modules:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business, human rights law and corporate social responsibility</td>
<td>30</td>
<td>W822</td>
</tr>
<tr>
<td>Contemporary issues in organisations</td>
<td>15</td>
<td>BB853</td>
</tr>
<tr>
<td>Entrepreneurship in context</td>
<td>15</td>
<td>BB851</td>
</tr>
<tr>
<td>Leadership and management of public services</td>
<td>15</td>
<td>BB852</td>
</tr>
<tr>
<td>Supply chain management</td>
<td>15</td>
<td>BB849</td>
</tr>
<tr>
<td>Sustainable creative management</td>
<td>15</td>
<td>BB842</td>
</tr>
<tr>
<td>Making environmental decisions</td>
<td>30</td>
<td>T891</td>
</tr>
<tr>
<td>Making strategy with systems thinking</td>
<td>30</td>
<td>TB871</td>
</tr>
<tr>
<td>Managing change with systems thinking</td>
<td>30</td>
<td>TB872</td>
</tr>
<tr>
<td>Project management</td>
<td>30</td>
<td>M815</td>
</tr>
<tr>
<td>MBA project: leaders of change</td>
<td>30</td>
<td>B875</td>
</tr>
</tbody>
</table>

Plus 30 credits from the following compulsory module:

- MBA project: leaders of change

### AT A GLANCE

<table>
<thead>
<tr>
<th>Course code</th>
<th>F69</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total credits</td>
<td>180</td>
</tr>
<tr>
<td>Start dates</td>
<td></td>
</tr>
<tr>
<td>Nov 2022</td>
<td>Register by 13 Oct 2022</td>
</tr>
<tr>
<td>May 2023</td>
<td>Register by 13 Apr 2023</td>
</tr>
<tr>
<td>Entry requirements</td>
<td>See <a href="http://openuniversity.co.uk/f69">openuniversity.co.uk/f69</a> for details</td>
</tr>
<tr>
<td>Study duration</td>
<td>Part time: 3 years</td>
</tr>
</tbody>
</table>

### Related qualifications

- Postgraduate Diploma in Technology Management (E08) [openuniversity.co.uk/e08](http://openuniversity.co.uk/e08)
- Postgraduate Certificate in Business Administration (C66) [openuniversity.co.uk/c66](http://openuniversity.co.uk/c66)

### MORE ONLINE

Find out more about this course, fees and funding, and how to register.

Visit [openuniversity.co.uk/f69](http://openuniversity.co.uk/f69)

Call 0300 303 5303
This MSc has the development of holistic thinking skills and appreciation of multiple perspectives at its core.

Systems thinking skills are relevant in many different areas. For example, business, engineering, environment, development, health, IT management, and organisation change.

Gain insights into the ways other people think about situations. Learn how to apply concepts, tools and techniques developed by systems thinkers. Develop your own ways of thinking in practice, and become aware of how you can act to bring about improvements in complex situations.

Meet our academics

Water security is increasingly affected by climate change and population growth. Dr Natalie Foster, Lecturer in Systems, is using a systems approach to tackle this urgent problem. Her research is leading to a better understanding of how this precious resource can be effectively governed.

Discover more about this compelling topic with our free course Environmental management and organisations from OpenLearn, along with other free courses that explore systems as a subject in its own right, and subjects which can be understood through the application of systems thinking at openuniversity.co.uk/systems-thinking.
Qualification structure

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Making strategy with systems thinking in practice</td>
<td>30</td>
<td>TB871</td>
</tr>
<tr>
<td>Managing change with systems thinking in practice</td>
<td>30</td>
<td>TB872</td>
</tr>
</tbody>
</table>

You’ll choose 60 credits from:

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacture materials design</td>
<td>30</td>
<td>T805</td>
</tr>
<tr>
<td>Strategic capabilities for technological innovation</td>
<td>30</td>
<td>T849</td>
</tr>
<tr>
<td>Technology and innovation management</td>
<td>30</td>
<td>TB801</td>
</tr>
<tr>
<td>Making environmental decisions</td>
<td>30</td>
<td>T891</td>
</tr>
<tr>
<td>Information security</td>
<td>30</td>
<td>M811</td>
</tr>
<tr>
<td>Digital forensics</td>
<td>30</td>
<td>M812</td>
</tr>
<tr>
<td>Software development</td>
<td>30</td>
<td>M813</td>
</tr>
<tr>
<td>Software engineering</td>
<td>30</td>
<td>M814</td>
</tr>
<tr>
<td>Project management</td>
<td>30</td>
<td>M815</td>
</tr>
<tr>
<td>Data management</td>
<td>30</td>
<td>M816</td>
</tr>
<tr>
<td>Network security</td>
<td>30</td>
<td>T828</td>
</tr>
<tr>
<td>Advanced networking (CCNP Enterprise)</td>
<td>60</td>
<td>T829</td>
</tr>
<tr>
<td>Principles of social and psychological inquiry</td>
<td>60</td>
<td>DD801</td>
</tr>
<tr>
<td>Global development in practice</td>
<td>60</td>
<td>D890</td>
</tr>
</tbody>
</table>

Understanding global development | 60 | DD870 |
Financial markets and the financing of organisations | 30 | B815 |
Managing in a changing world | 30 | B870 |
Creating and sustaining value | 30 | B872 |
Sustainable creative management | 15 | BB842 |
Entrepreneurship in context | 15 | BB851 |
Leadership and management of public services | 15 | BB852 |
Contemporary issues in organisations | 15 | BB853 |
Continuing professional development in practice | 30 | U810 |
Advance your independent learning | 30 | YXMB30 |

Postgraduate Diploma in Systems Thinking in Practice (E28)

You’ll choose 60 credits from either the Research route or the Professional route:

**RESEARCH ROUTE**

- Research project | 60 | T802 |

**PROFESSIONAL ROUTE**

- The MSc professional project | 30 | T847 |

You’ll choose 30 credits from any postgraduate or OU level 3 modules

**MSc IN SYSTEMS THINKING IN PRACTICE**

---

**AT A GLANCE**

- **Course code**: F47
- **Total credits**: 180
- **Start dates**
  - Nov 2022: Register by 6 Oct 2022
  - May 2023: Register by 6 Apr 2023
- **Entry requirements**
  - UK honours degree (or equivalent)
  - If you have appropriate experience, we may allow you to start studying without having a degree
- **Study duration**
  - Part time: 3 years

**Related qualifications**

- Postgraduate Diploma in Systems Thinking in Practice (E28)
  - [openuniversity.co.uk/e28](http://openuniversity.co.uk/e28)
- Postgraduate Certificate in Systems Thinking in Practice (C72)
  - [openuniversity.co.uk/c72](http://openuniversity.co.uk/c72)

- Compulsory modules
- Option modules
- Intermediate qualification
- Awarded qualification

Module availability is subject to change.

---

**MORE ONLINE**

Find out more about this course, fees and funding, and how to register.

Visit [openuniversity.co.uk/f47](http://openuniversity.co.uk/f47)
Call 0300 303 5303
MSc in Environmental Management

Expand your knowledge and skills needed for effective, informed and creative environmental management.

You’ll examine current local and global concerns in areas such as environmental protection, legislation and policy, and natural resource management. Develop your skills in analysing the issues and improving environmental performance in all sectors.

Accreditation
— Chartered Institution of Water and Environmental Management (CIWEM)
— Institute of Environmental Management & Assessment (IEMA).

Meet our academics
Professor Toni Gladding describes herself as a ‘dirty microbiologist’. Hear how her research into the health and safety of waste management informs Environment Agency policy at openuniversity.co.uk/environmental-management.
Qualification structure

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Making environmental decisions</td>
<td>30</td>
<td>T891</td>
</tr>
<tr>
<td>Sustainable organisations: theory and practice</td>
<td>30</td>
<td>T892</td>
</tr>
<tr>
<td><strong>Postgraduate Certificate in Environmental Management (K19)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental monitoring and protection</td>
<td>30</td>
<td>T868</td>
</tr>
</tbody>
</table>

You’ll choose 30 credits from:

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental science challenges</td>
<td>30</td>
<td>S831</td>
</tr>
<tr>
<td>Making strategy with systems thinking in practice</td>
<td>30</td>
<td>M815</td>
</tr>
<tr>
<td>Managing change with systems thinking in practice</td>
<td>30</td>
<td>T8871</td>
</tr>
<tr>
<td>Project management</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Technology and innovation management</td>
<td>30</td>
<td>T8801</td>
</tr>
</tbody>
</table>

**Advance your independent learning** 30 YXM830

**Postgraduate Diploma in Environmental Management (E79)**

You’ll choose 60 credits from either the Research route or the Professional route:

**RESEARCH ROUTE**

| Research project | 60 | T802 |

**PROFESSIONAL ROUTE**

| The MSc professional project | 30 | T847 |

You’ll choose another 30 credits from any of the option modules

**MSc IN ENVIRONMENTAL MANAGEMENT**

- Compulsory modules
- Intermediate qualifications
- Option modules
- Awarded qualification

Module availability is subject to change.

**AT A GLANCE**

- **Course code**: F65
- **Total credits**: 180
- **Start dates**:
  - Nov 2022: Register by 6 Oct 2022
  - May 2023: Register by 6 Apr 2023
- **Entry requirements**:
  - UK honours degree (or equivalent) in a science or engineering discipline
  - if you have appropriate experience, we may allow you to start studying without having a degree
- **Study duration**:
  - Part time: 3 years

**Related qualifications**

- Postgraduate Diploma in Environmental Management (E79) [openuniversity.co.uk/e79](https://openuniversity.co.uk/e79)
- Postgraduate Certificate in Environmental Management (K19) [openuniversity.co.uk/k19](https://openuniversity.co.uk/k19)

**MORE ONLINE**

Find out more about this course, fees and funding, and how to register.

Visit [openuniversity.co.uk/f65](https://openuniversity.co.uk/f65)

Call 0300 303 5303
Do you want the freedom to create a personalised course of study across a range of academic disciplines? Then our MA/MSc Open is ideal.

Put simply, the MA/MSc Open gives you choice. It allows you the freedom to tailor your qualification to suit you. Choose modules from a wide range of related subject areas to fit your professional needs and personal interests.

Qualification structure

To gain this qualification, you need 180 credits. There are two routes through this qualification:

**Route 1:** You can study 180 credits and specialise within one of the following broadly related study areas:

— Arts, humanities, music and language
— Education, psychology, health science and healthcare
— Science, technology, engineering and mathematics
— Business, finance, human resources and law.

**Route 2:** You can choose to study a minimum 120 credits within one study area (chosen as your area of specialism) and take up to 60 credits from any other study area, including:

— Further professional development modules.

### Arts, humanities, music and language modules

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA Creative Writing part 1</td>
<td>60</td>
<td>A802</td>
</tr>
<tr>
<td>MA Art History part 1</td>
<td>60</td>
<td>A843</td>
</tr>
<tr>
<td>MA Philosophy part 1</td>
<td>60</td>
<td>A853</td>
</tr>
<tr>
<td>MA Classical Studies part 1</td>
<td>60</td>
<td>A863</td>
</tr>
<tr>
<td>MA Music part 1</td>
<td>60</td>
<td>A873</td>
</tr>
<tr>
<td>MA History part 1</td>
<td>90</td>
<td>A883</td>
</tr>
<tr>
<td>MA English literature part 1</td>
<td>90</td>
<td>A893</td>
</tr>
<tr>
<td>Introduction to translation theory and practice</td>
<td>60</td>
<td>L801</td>
</tr>
</tbody>
</table>

### Education, psychology, health science and healthcare modules

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of social and psychological inquiry</td>
<td>60</td>
<td>DD801</td>
</tr>
<tr>
<td>Children and young people’s worlds</td>
<td>60</td>
<td>E808</td>
</tr>
<tr>
<td>Educational leadership: agency, professional learning and change</td>
<td>60</td>
<td>EE811</td>
</tr>
<tr>
<td>Addressing inequality and difference in educational practice</td>
<td>60</td>
<td>EE814</td>
</tr>
<tr>
<td>Applied linguistics and English language</td>
<td>60</td>
<td>EE817</td>
</tr>
<tr>
<td>Learning and teaching: educating the next generation</td>
<td>60</td>
<td>EE830</td>
</tr>
<tr>
<td>Technology-enhanced learning: foundations and futures</td>
<td>60</td>
<td>H880</td>
</tr>
<tr>
<td>Non-medical independent and supplementary prescribing</td>
<td>60</td>
<td>K803</td>
</tr>
<tr>
<td>Introduction to mental health science</td>
<td>60</td>
<td>S826</td>
</tr>
</tbody>
</table>

### Science, technology, engineering and mathematics modules

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information security</td>
<td>30</td>
<td>M811</td>
</tr>
<tr>
<td>Digital forensics</td>
<td>30</td>
<td>M812</td>
</tr>
<tr>
<td>Software development</td>
<td>30</td>
<td>M813</td>
</tr>
<tr>
<td>Data management</td>
<td>30</td>
<td>M816</td>
</tr>
<tr>
<td>Calculus of variations and advanced calculus</td>
<td>30</td>
<td>M820</td>
</tr>
<tr>
<td>Analytic number theory I</td>
<td>30</td>
<td>M823</td>
</tr>
<tr>
<td>Advanced mathematical methods</td>
<td>30</td>
<td>M833</td>
</tr>
<tr>
<td>Coding theory</td>
<td>30</td>
<td>M836</td>
</tr>
<tr>
<td>Space science</td>
<td>60</td>
<td>S818</td>
</tr>
<tr>
<td>Environmental science challenges</td>
<td>30</td>
<td>S831</td>
</tr>
<tr>
<td>Finite element analysis: basic principles and applications</td>
<td>30</td>
<td>T804</td>
</tr>
<tr>
<td>Manufacture materials design</td>
<td>30</td>
<td>T805</td>
</tr>
<tr>
<td>Network security</td>
<td>30</td>
<td>T828</td>
</tr>
<tr>
<td>Environmental monitoring and protection</td>
<td>30</td>
<td>T868</td>
</tr>
<tr>
<td>Making environmental decisions</td>
<td>30</td>
<td>T891</td>
</tr>
</tbody>
</table>

Module availability is subject to change.

1 Module hosted on FutureLearn platform.
### Business, finance, human resources and law modules

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>The role of the human resource professional</td>
<td>30</td>
<td>B810</td>
</tr>
<tr>
<td>Financial markets and the financing of organisations</td>
<td>30</td>
<td>B815</td>
</tr>
<tr>
<td>Financial strategy and governance</td>
<td>30</td>
<td>B816</td>
</tr>
<tr>
<td>Research methods for finance</td>
<td>30</td>
<td>B860</td>
</tr>
<tr>
<td>Employment relations and employee engagement</td>
<td>30</td>
<td>B866</td>
</tr>
<tr>
<td>Workplace learning with coaching and mentoring</td>
<td>30</td>
<td>B867</td>
</tr>
<tr>
<td>Exploring legal meaning</td>
<td>30</td>
<td>W820</td>
</tr>
<tr>
<td>Exploring the boundaries of international law</td>
<td>30</td>
<td>W821</td>
</tr>
<tr>
<td>Business, human rights law and corporate social responsibility</td>
<td>30</td>
<td>W822</td>
</tr>
</tbody>
</table>

### Further professional development modules

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investment and portfolio management</td>
<td>30</td>
<td>B861</td>
</tr>
<tr>
<td>Derivatives and risk management</td>
<td>30</td>
<td>B862</td>
</tr>
<tr>
<td>Sustainable creative management</td>
<td>15</td>
<td>BB842</td>
</tr>
<tr>
<td>Supply chain management</td>
<td>15</td>
<td>BB849</td>
</tr>
<tr>
<td>Entrepreneurship in context</td>
<td>15</td>
<td>BB851</td>
</tr>
<tr>
<td>Leadership and management of public services</td>
<td>15</td>
<td>BB852</td>
</tr>
<tr>
<td>Contemporary issues in organisations</td>
<td>15</td>
<td>BB853</td>
</tr>
<tr>
<td>Global development in practice¹</td>
<td>60</td>
<td>D890</td>
</tr>
<tr>
<td>Understanding global development</td>
<td>60</td>
<td>DD870</td>
</tr>
<tr>
<td>Project management</td>
<td>30</td>
<td>M815</td>
</tr>
<tr>
<td>Strategic capabilities for technological innovation</td>
<td>30</td>
<td>TB49</td>
</tr>
<tr>
<td>Technology and innovation management</td>
<td>30</td>
<td>TB801</td>
</tr>
<tr>
<td>Making strategy with systems thinking in practice</td>
<td>30</td>
<td>TB871</td>
</tr>
<tr>
<td>Managing change with systems thinking in practice</td>
<td>30</td>
<td>TB872</td>
</tr>
<tr>
<td>Continuing professional development in practice</td>
<td>30</td>
<td>U810</td>
</tr>
<tr>
<td>Advance your independent learning</td>
<td>30</td>
<td>YM830</td>
</tr>
</tbody>
</table>

1  Module hosted on FutureLearn platform.

### AT A GLANCE

<table>
<thead>
<tr>
<th>Course code</th>
<th>F81</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total credits</td>
<td>180</td>
</tr>
<tr>
<td>Start dates</td>
<td>Sep 2022, Oct 2022, Nov 2022, Feb 2023, May 2023</td>
</tr>
<tr>
<td>Entry requirements</td>
<td>Entry to this qualification will typically require a UK honours degree or equivalent qualification relevant to your intended specialist area of study</td>
</tr>
<tr>
<td>Study duration</td>
<td>Part time: 3 years</td>
</tr>
</tbody>
</table>

### MORE ONLINE

Find out more about this course, fees and funding, and how to register.

Visit openuniversity.co.uk/f81
Call 0300 303 5303
REGISTRATION MADE SIMPLE

Undergraduate study

Ready to fulfil your ambition? Let’s get going.

Our registration process is short and straightforward. Simply follow the steps outlined below.

1. Register
   Go to your chosen qualification webpage, select your preferred start date and click ‘Register now’.

2. Choose your modules
   Select the modules you want to study in your first year. Some may be compulsory while others may be selected from a list of options.

3. Organise your funding
   Tell us how you’ll be funding your chosen module. You’ll find all your options here openuniversity.co.uk/ug-fees.

4. Complete your registration
   Confirm your funding method. That’s it – you’re ready to start learning.

Completing your registration is a significant step as you’ll be part of the OU community and get access to our learning tools, materials and the student support that’ll help you get going. Now you can truly begin achieving your goals.

For more on the registration process, visit openuniversity.co.uk/ug-apply.

Postgraduate study

Registering for postgraduate study is as straightforward and easy as you would expect.

To work towards a postgraduate qualification, you first need to choose and register on a module that counts towards that qualification.

1. Choose your qualification.
2. Review the entry requirements.
3. Register for your first module online.
4. Arrange your funding – you’ll find all your options at openuniversity.co.uk/pg-fees.
5. Send evidence to us that confirms you meet the entry requirements.

For more on the registration process, visit openuniversity.co.uk/pg-apply.

Have you studied before?

If you’ve studied at university level before, you could count this study towards an OU qualification. This could save you time and money by reducing the number of modules you need to study.

Visit openuniversity.co.uk/credit-transfer
USEFUL INFORMATION

Study from outside the UK

You could study with the OU wherever you are in the world.

Find out more by visiting openuniversity.co.uk/international or call +44 (0)300 303 0266.

Students with additional study needs

When you register, we’ll ask whether you have a physical or mental health disability, health condition, or specific learning difficulty (such as dyslexia) that could affect your study. If you do, we’ll give you more detailed information about how we can help.

For more information, go to openuniversity.co.uk/disability or call us on 0300 303 5303.

Equality and diversity

We’re committed to creating an inclusive university community where everyone is treated with dignity and respect.

We challenge inequality and anticipate and respond positively to different needs so that everyone can fulfil their ambition.

For more information, go to openuniversity.co.uk/equality.

Students under the age of 16

Very exceptionally, we accept applications from gifted students under the age of 16.

Contact us on 0300 303 5303 if you’d like to apply.

Data protection

We record your personal information when you contact us. We use this to manage enquiries, registration, study, examination and other services. Calls may be recorded to help us improve our service to you. When you contact us, we’ll tell you more about how we treat your personal information.

For more information, go to openuniversity.co.uk/privacy.

Other ways to read this prospectus

You may find it easier to access information from our website at openuniversity.co.uk.

We can also supply this prospectus as a PDF and in other formats. Please call 0300 303 5303, or email us from our website at openuniversity.co.uk/contact.

Our other prospectuses

Learn more about our qualifications in our other prospectuses.

Subject-specific prospectuses

— Arts and Humanities
— Business and Management
— Computing and IT
— Education, Childhood, Youth and Sport
— Environment and Development
— Health and Social Care
— Languages and Applied Linguistics
— Law
— Mathematics and Statistics
— Psychology and Counselling
— Science
— Social Sciences

Other prospectuses

— Access Modules
— Open Qualifications
— Postgraduate Courses
— Undergraduate Courses

We have made all reasonable efforts to ensure that the information in this prospectus is accurate at the time of publication. However, we shall be entitled, if we consider it reasonably necessary (including in order to manage resources and improve student experience) to make changes, including to the availability of modules and qualifications, to qualification structure and to our regulations, policies and procedures. For current information, please refer to our online prospectus at openuniversity.co.uk/courses. If you require further information about the circumstances in which we may make changes, please contact us or refer to the Academic Regulations on our website at openuniversity.co.uk/academic-regulations.

REQUEST A PROSPECTUS

Download or order a prospectus.

Visit openuniversity.co.uk/prospectus
If you’re in England, Scotland, Wales, the Channel Islands, the Isle of Man or have a British Forces Post Office address, here’s how to get in touch

— Email us from our website openuniversity.co.uk/contact
— Call our Student Recruitment team on 0300 303 5303

Lines are open (UK time)
Monday to Friday: 08:00–20:00
Saturday: 09:00–17:00

Calls are charged at the local rate when calling from a UK mobile phone or landline.

In Northern Ireland
— Email northernireland@open.ac.uk
— Call our Belfast office on 028 9032 3722

In the Republic of Ireland
— Email ireland@open.ac.uk
— Call our Enquiry and Advice Centre in Dublin on (01) 6785399 or our Belfast office on +44 (0)28 9032 3722

All other countries
— Go to openuniversity.co.uk/contact
— Call us on +44 (0)300 303 0266

I siaradwyr Cymraeg
Os ydych yn siarad Cymraeg a byddai’n well gennych dрафd eich anghenion astudio drwy gyfrwng y Gymraeg, cysylltwch â:

Y Brifysgol Agored yng Nghymru
18 Heol y Tolly
Caerdydd
CF10 1AP
— Ffoniwch ni ar 029 2047 1170
— E-bost cymorth-cymru@open.ac.uk