



## Welcome to the University of Bath

As Bath's new Vice-Chancellor, it is a great pleasure to invite you to consider studying at the University, and to assure you of the warmest of welcomes were you to join us.

To choose Bath is to choose to join an innovative and internationally diverse community. We'll seek to inspire you and to enrich you intellectually; to give you new confidence and to open your eyes to new opportunities; in short, to help you to develop as a person and to achieve beyond your expectations.

Bath is known for excellence in teaching and research, for enabling a superb student experience, and for providing outstanding preparation for your later life. Our staff are international experts in their subject areas and use their research and discoveries to ensure that our teaching incorporates the most relevant topics and reflects latest understanding. You will also have the opportunity to benefit from real-world work experience in prestigious locations, courtesy of our renowned placements scheme.

Our vibrant campus, right on the edge of Bath, offers an exceptional range of sporting, social and cultural opportunities. And the city itself, with its striking architecture and melding of cultures, is the UK's only entire city on UNESCO's World Heritage list. It provides a wonderful environment in which to enjoy a most enriching student experience.

This prospectus provides detailed information about life at the University of Bath. I trust that it provides a welcoming taste of what to expect, and recommend that you visit us to find out first-hand what the University is truly like. Our campus will always be open to you, and I am confident that you will be excited and inspired by the opportunities that it presents.

**Professor Ian H White FREng**  
Vice-Chancellor



## Ranked 6th

best university in  
the UK by the  
Guardian University  
Guide 2019



## Awarded Gold

status in the  
Government's  
Teaching Excellence  
Framework



## Ranked 5th

for graduate prospects  
by The Times and  
The Sunday Times  
Good University  
Guide 2019



## Ranked 4th

overall out of  
122 in the THE  
Student Experience  
Survey 2018



## 86.04%

for overall student  
satisfaction in the  
National Student  
Survey 2018



## Ranked

as the second safest  
University in the UK  
in the Times Higher  
Education Student  
Experience Survey  
2018



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#BelongatBath

# Why **Bath?**

**“There is a sense of belonging you get from living here that makes it hard to leave after graduation.”**

Damla Gulerhan,  
Management with Marketing, 3rd year



**There are so many great universities in the UK and we know it can be hard to know which one is going to be right for you.**

**At Bath, we're here to help you succeed, and everything we do is focused on creating the perfect environment for you to do just that.**





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## Bath is ranked as one of the best universities in the UK

*The Guardian University Guide 2019* ranked us a Top 10 UK university and we hold the Gold award in the Government's Teaching Excellence Framework. This means that we consistently deliver outstanding teaching, learning, and outcomes for our students. It is of the highest quality found in the UK.

Bath was ranked above 21 of the 24 Russell Group universities for overall student satisfaction in the 2018 National Student Survey. We are also in the top 5 for graduate prospects in *The Times* and *Sunday Times Good University Guide 2019*.

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## Become well equipped for the working world

Going on a placement gives you the opportunity to apply your academic knowledge and gain practical work experience.

All of our undergraduate course areas provide a placement option\* and over two-thirds of our students choose a placement year as part of their studies.

On top of this, we have up to 400 employers visit the University every year, giving you the chance to build connections and explore career opportunities before you graduate.

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## Have the best of both worlds

At Bath, you will benefit from a stunning green campus that's just a few minutes from a thriving city. In the past decade, we've invested over £450 million in campus facilities, ranging from accommodation and study spaces to new sporting facilities, such as the Olympic legacy pool. In addition to the campus facilities, the city offers year-round cultural and social activities from festivals and concerts to museums and galleries.

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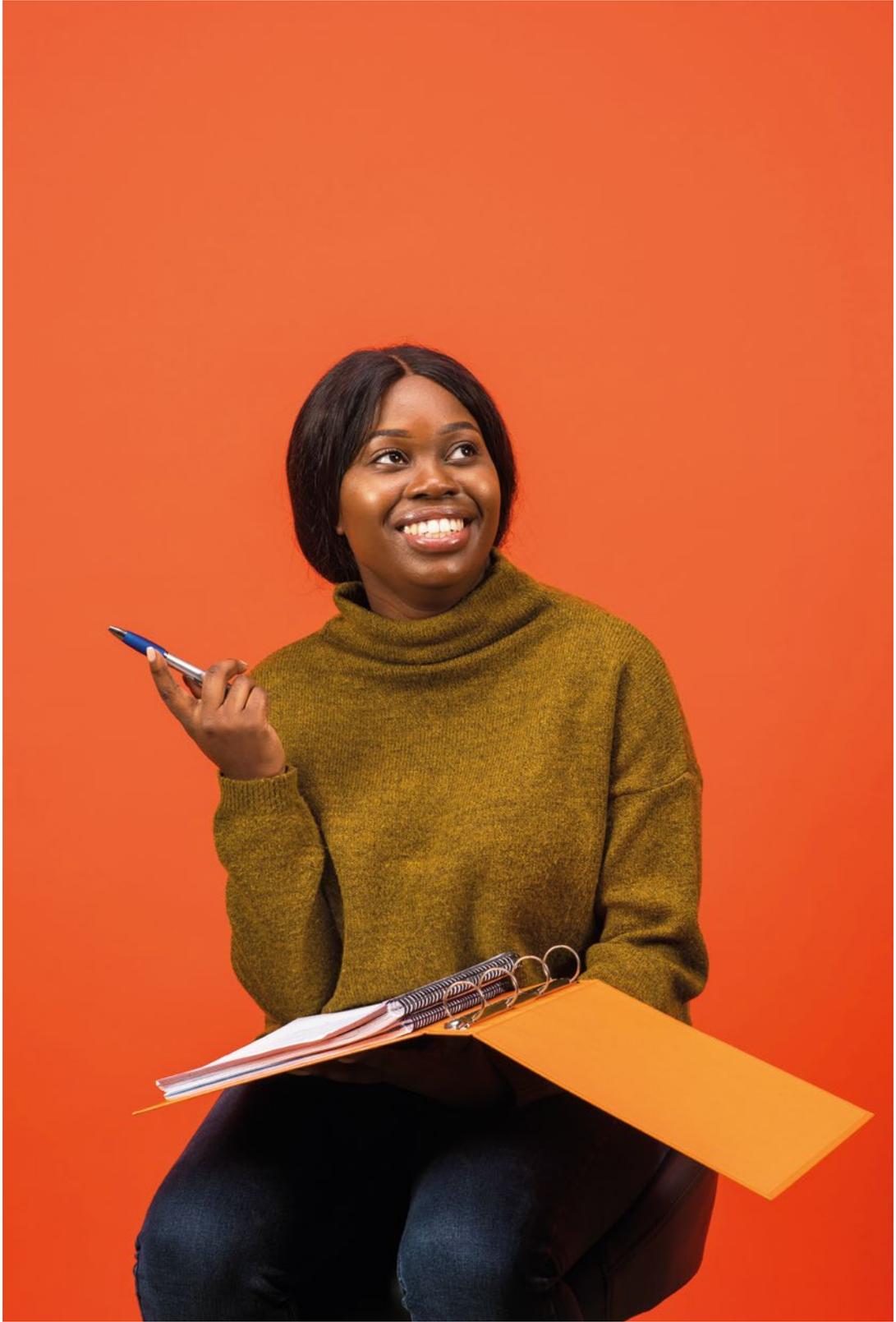
## Our research is making an impact

87% of our academic research is classed as world-leading or internationally excellent (Research Excellence Framework (REF) 2014 assessment) and is improving lives and societies across the world. We're:

- helping doctors fight infection by inventing wound dressings that glow
- improving rehabilitation for injured service personnel by using motion capture technology
- researching the origin and impact of black hole driven phenomena
- building better futures for refugees in Jordan by radically redesigning shelters

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\*Social Work, Pharmacy and FdSc Addictions Counselling degrees have mandatory work-based learning as part of the degree, rather than year-long placements. Architecture and Business Administration degrees also include two mandatory placements, rather than a year-long placement. These 6-month placements take place in years 2 & 3. The FdSc Sport (Sports Performance) course has a placement when taken with a Bachelors top-up.



# Be inspired

**“From lectures and seminars to tutor groups and workshops, I love the variety of teaching methods on my course.”**

Taffy Mutamangira,  
Social Work and Applied Social Studies, 3rd year

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**At Bath, our mission is to provide outstanding teaching and student experience.**

**We hold the Gold award in the Government's Teaching Excellence Framework (TEF), indicating that the teaching at the University is of the highest quality in the UK.**



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## Learning at Bath

Acting on the feedback of our students ensures their experience is as good as it can be and contributes to our students' success and strong student retention and employment rates.

Our staff are experts in their subject areas and use their industrial links, research and discoveries to ensure you are taught the most up-to-date topics. They will present you with subject specific challenges such as the design of autonomous electric cars, or broader challenges such as the United Nations sustainability goals and what they mean for your subject area.

Our courses are not just a collection of different topics, but are carefully designed to ensure you have the key knowledge, skills and attributes for your chosen career.

All of our undergraduate course areas offer a placement option\*, so you can leave university better qualified with real-world work experience too. Our specialist faculty placement teams will work alongside you to identify your personal objectives, develop your CV and help you to find a suitable placement.

We have extensive links with industry, professional bodies and non-governmental organisations (NGOs) around the world, and these are used to give you valuable insight into your chosen subject. For example, our Politics students have been able to ask their questions on trade policy changes to a panel of small business entrepreneurs, and our Civil Engineering students have access to an industrial mentor scheme.

Opportunities to investigate areas of interest that are relevant to your subject area are also key. This could be through optional modules informed by the research of our staff, modules from different subject areas to give you a broader perspective on your subject, or open-ended projects where you can choose the direction of your learning.

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## Skills development

In addition to subject-specific skills embedded in your course, we offer an additional skills programme which is designed to meet your academic and personal development needs. This will help you get the best out of your studies, enhance your employability and achieve success in the workplace.

As an undergraduate you will have access to a range of skills development opportunities covering four key areas – Academic Skills, Employability, Language Skills and Personal Skills. You can tailor your own development programme to fit flexibly around your other academic studies.

Some examples of the skills you can develop include:

- Thinking critically to enhance your writing
- Creating well-written, clearly structured essays, reports and dissertations
- Giving polished and effective academic presentations
- Managing and analysing numbers, data and statistics
- Learning a new language or improving an existing one
- Using IT tools and resources efficiently

These skills will help you in your studies and also ensure you are well-prepared for the workplace. We provide a wide range of employability-focused activities including the following current workshops:

- Write effective job applications and CVs
- Succeed at interview
- Secure an internship, placement or graduate role
- Manage your time
- Lead and manage projects

To help meet your learning style, we offer skills development in a variety of different ways including:

- One-to-one tutorials
- Workshops, talks and presentations
- Online resources and independent study

For more information on skills

visit: [go.bath.ac.uk/skills-20](https://go.bath.ac.uk/skills-20)




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## Learning environment

We continually invest in teaching buildings, informal learning spaces and laboratories for our students. We are currently constructing a major new School of Management building which will include new lecture theatres, seminar rooms, study and social space to enhance the learning experience of our students. Alongside general teaching spaces, we have many other bespoke facilities tailored to our different subjects. Our Psychology observation suites, refurbished Engineering laboratories and other specialist equipment will give you the opportunity to put theory into practice. In addition to the physical learning environment, our Virtual Learning Environment will allow you to access course materials, quizzes and recorded lectures, as appropriate for your subject.

Our investment in our staff and your learning environment will prove invaluable along your journey, but your peers will undoubtedly be the most important component of your learning experience.

At the University of Bath, you will be surrounded by students from many different cultures and with varying life experiences. Your ability to combine learning from both staff and peers is key to the Bath experience and will enable you to help solve the global problems faced in future employment.

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\*Social Work, Pharmacy and FdSc Addictions Counselling degrees have mandatory work-based learning as part of the degree, rather than year-long placements. Architecture and Business Administration degrees also include two mandatory placements, rather than a year-long placement. These 6-month placements take place in years 2 & 3. The FdSc Sport (Sports Performance) course has a placement when taken with a Bachelors top-up.



# Be at home

**“The community environment on campus made moving away from home much easier. There is always plenty of people around and lots to get involved in on campus.”**

Samantha Pennington,  
Education with Psychology, 3rd year



**Our campus offers the best of both worlds: a vibrant community atmosphere and the natural tranquillity of the Somerset countryside.**

**In addition to our library, Sports Training Village, arts centre and award-winning Students' Union, we have much more all within a five-minute walk.**

**“The campus has everything I need from teaching and study space to shops and it is very accessible to me as a disabled student.”**

Jhon Bateman,  
Politics and International  
Relations, final year



## Make yourself at home

You won't go far without seeing a familiar face and we have a range of amenities on campus for you to enjoy.

As well as our library and learning spaces, we have supermarkets, banks, computer shops, laundrettes, a Post Office and so much more. From burritos and noodles to pasta and salads, we have over 10 restaurants, bars and cafés that cater for all tastes.

We have over 160 clubs and societies that all have their own social calendars so you will always have something to keep you occupied on campus. From Wednesday nights at Score, the Students' Union club night to film screenings at The Edge, your spare time will never be dull.

Our campus can be enjoyed whatever the weather. There are lots of cosy study spaces and cafés to enjoy in the winter months and in the summer, you can work outside by our scenic lake.

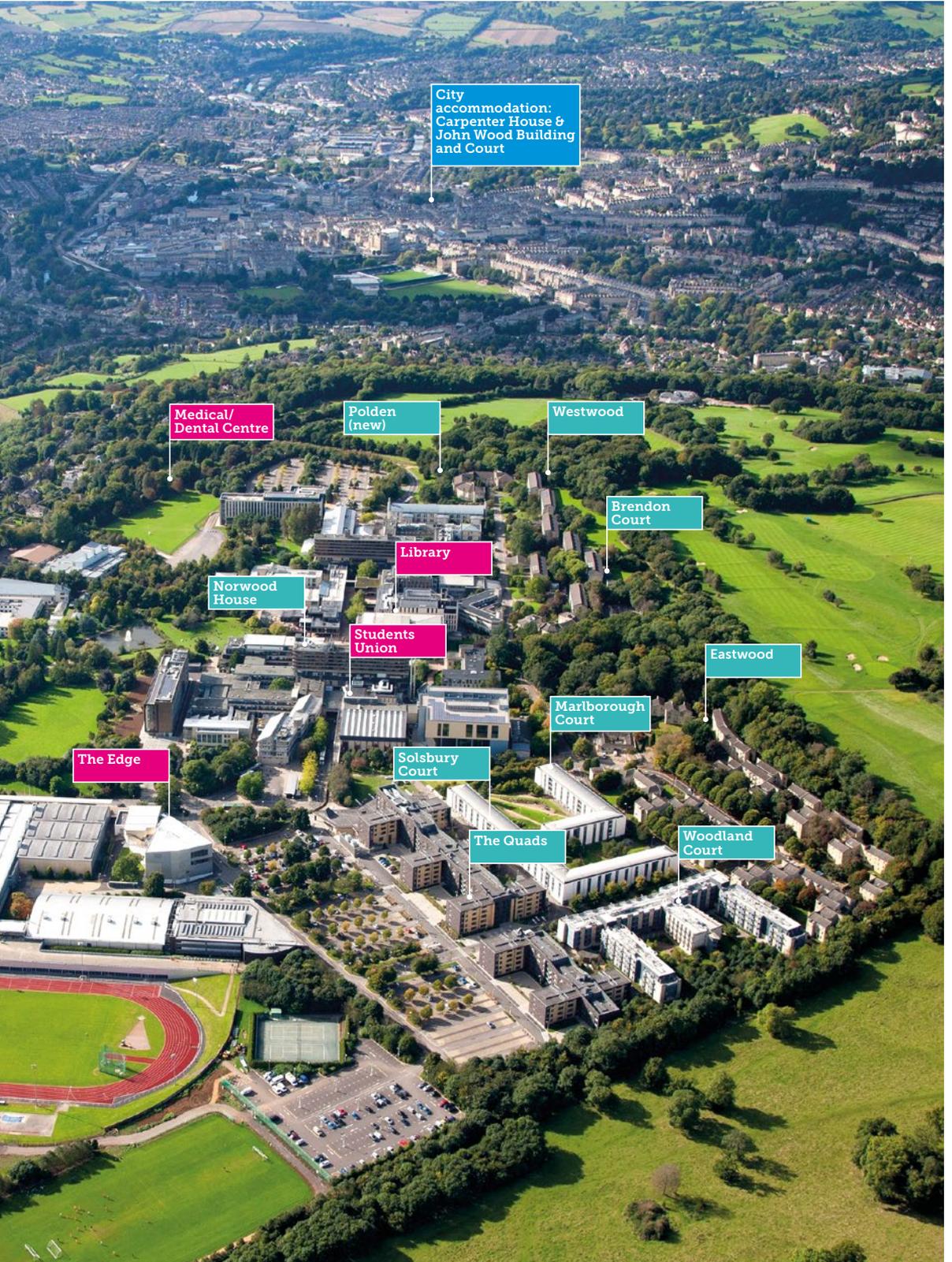
Campus is the perfect place to meet with your friends, whether it's to study, have a bite to eat, or watch the world go by.

 Amenities

 City Centre accommodation

 Campus accommodation





City accommodation:  
Carpenter House &  
John Wood Building  
and Court

Medical/  
Dental Centre

Polden  
(new)

Westwood

Brendon  
Court

Library

Norwood  
House

Students  
Union

Eastwood

Marlborough  
Court

The Edge

Solsbury  
Court

The Quads

Woodland  
Court

# Accommodation

**Your accommodation at university is much more than bricks and mortar. You will be part of a student community and your accommodation will become your home away from home.**

**At Bath, you can live on the campus or in the heart of the city, in catered or self-catered accommodation.**

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## Our guarantee

We guarantee accommodation to all our full-time undergraduate students in their first year provided that we are your number one choice on your UCAS application, and we receive it before the deadline. We offer a range of rooms and set-ups to suit different budgets and lifestyles.

Once you've accepted Bath as your firm choice, you can apply for accommodation from early May in your year of entry.

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## Our accommodation

We have over 4,000 bedrooms and around 80% of our accommodation is on campus. The majority of accommodation is in self-catering houses or flats with student bedrooms grouped around communal kitchens or social spaces. You can apply to stay in catered or part catered accommodation where you can use our Eat and Drink Credit scheme at the cafés, bars or restaurants on and off campus.

While accommodation is usually mixed gender, all-female or all-male accommodation can be arranged if you would prefer, subject to availability. We also provide 24/7 security with a dedicated Accommodation Security team.

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## Campus accommodation

All campus accommodation is just a few minutes' walk away from the centre of campus, which is home to the library, lecture theatres and the Students' Union. There are options to suit all tastes and budgets, from our Eastwood houses which offer fantastic communal living, to our modern accommodation building, The Quads.

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## City Centre accommodation

We have two accommodation options that are located in the heart of the City Centre. They are all self-catered and situated just minutes' from shops, cafes, restaurants, bars, pubs and attractions. All residences are near to the railway station and bus station, making travel to the University quick and easy.

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## Weekly rate guide (2018-2019)

Room with private shower and toilet:  
£167 - £185 per week / £6346 - £7030 per annum

Room with shared shower and toilet:  
£110 - £135 per week / £4180 - £5130 per annum  
Catered options from £180

[go.bath.ac.uk/student-accommodation-20](http://go.bath.ac.uk/student-accommodation-20)

**“I loved living in Norwood House and wouldn't want to live anywhere else. All the rooms are spacious and the views from the ninth floor couldn't be better.”**

Laura Pettitt, Psychology, 3rd year



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## Finding the right home for you

We are always willing to listen, and after speaking with students we are pleased to be able to offer the following types of accommodation:

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### Alcohol-free accommodation

We can offer alcohol-free flats to new undergraduates subject to demand. If you choose this style of accommodation we ask that you and any guests keep the entire flat an alcohol-free environment. You will not be placed in an alcohol-free flat unless you have specifically applied for one.

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### Mature students

If you are a new undergraduate aged twenty one or over, you may wish to share with other mature students.

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### Quiet accommodation

We offer designated quiet accommodation, subject to demand. In this accommodation we ask that you keep all noise to a minimum out of respect to flatmates and neighbours who have chosen to live in a quiet environment. You will not be placed in a quiet accommodation group unless you have specifically applied to do so.

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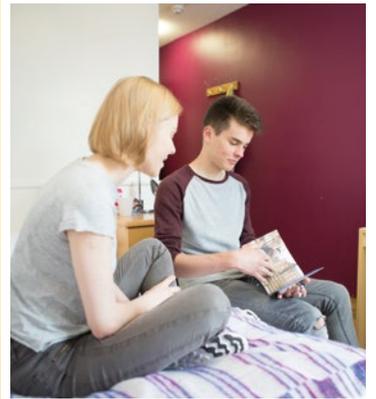
### Family accommodation

We are able to offer a limited amount of family accommodation in the John Wood Building, one of our City Centre buildings where two and three bedroom flats are available.

**"I definitely miss living in halls. The facilities provided by the University are everything you need and more."**

Dionysia Machaira, Politics and International Relations, 3rd year





# The city and more, right on your doorstep

**Studying at the University of Bath means that you will benefit from both a historic and bustling city and a beautiful and thriving campus. Bath may be known for its architecture and history but there is much more to the city. Peek beneath the surface and you'll find a modern city, with experiences well beyond the ordinary.**



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## Explore your World Heritage city

Living in a historical city like Bath has many benefits, such as being surrounded by beautiful places to visit. The Roman Baths, Skyline Walk, and The Abbey are all worth a trip, as well as the various parks spread around the city.

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## Go for a bite to eat

From sushi and tapas to pizza and pies, Bath has over 400 different restaurants to suit your tastes. While there are several well-known chains, Bath is all about promoting independent businesses, and new places pop up all the time. Restaurants and cafés have student promotions on throughout the year, so remember to keep your NUS card handy!



**“Bath offers students everything in one of the world’s most iconic cities.”**

Daniel Casares-Lauritsen,  
Management, 2nd year






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## Hit the shops

Bath's shops are scattered between intriguing side streets and picturesque alleyways - all within easy walking distance of one another. Most of the high street stores can be found in the Southgate Centre, with quirky artisan and vintage shops dotted throughout the city.

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## Put on your dancing shoes

If you are looking for a quiet couple of drinks in a cosy bar or a big night, you're guaranteed a good time. Bath has a great nightlife and with lots of hidden gems for you to explore you'll never be stuck for something to do on an evening. There are several music venues in the city, including Komedia, who host hundreds of events a year, and the Pavilion which often serves as a warm-up venue for acts on their way to Glastonbury.

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## Get cultural

Whether you are interested in history, science or art, the city has many museums and galleries to explore in your spare time. Bath also has a couple of cinemas for the film enthusiasts and three theatres, including The Theatre Royal, which frequently host plays straight from a West End run.

For a small city, Bath manages to host a huge amount of activities throughout the year. These include The Bath Festival (a ten-day multi-arts event), The Film Festival, Comedy Festival, Literature Festival, Fringe Festival and Bath International Music Festival to name but a few. Other events include the famous Bath Christmas Market and The Great Bath Feast.

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## Get active

From paddle boarding on Pulteney Bridge to hot air balloon rides over the Royal Crescent, Bath has a host of outdoor activities that can be enjoyed throughout the year. The surrounding countryside is perfect for walking, running and cycling, and can be easily accessed from the city. Our much-loved Bath Rugby Club hosts Premier League Rugby Union games throughout the season.

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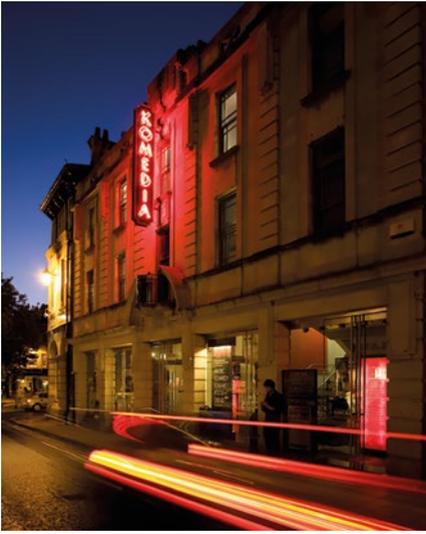
## Beyond Bath

If you like exploring new cities and places, there are plenty of ways to transport yourself into the hub of Bath, and beyond.

A taxi with friends can cost as little as £2 each from the campus to the city. The U1 bus runs every 5 minutes during the day and takes 10-15 minutes from the campus to the city. With services running 24/7, it's perfect for a night out or a long library session.

Bath is surrounded by beautiful countryside but if you want to explore a bigger city, Bristol, Cardiff and London can all be easily reached by train. The must-see monument of Stonehenge is only a thirty-five minute drive from Bath too!

[go.bath.ac.uk/city-of-bath-20](http://go.bath.ac.uk/city-of-bath-20)



# Be ahead of the game

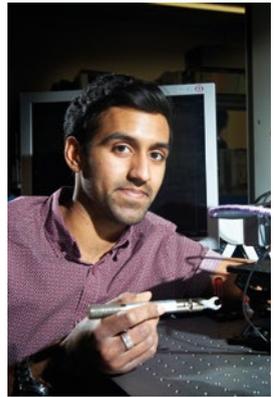
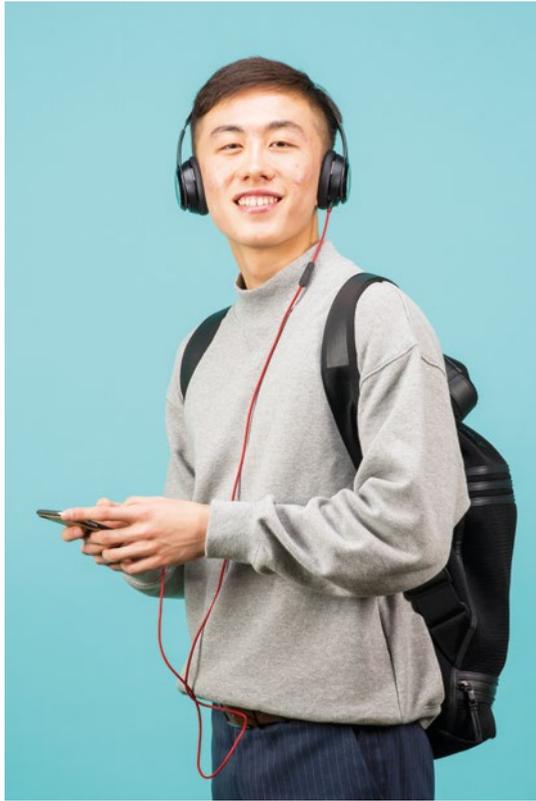
**“By the end of my placement at Unicef UK, I was able to present confidently and communicate professionally. I also developed knowledge of different aspects of accounting, including risk management and forecasting.”**

Isaac Ting Wong,  
Accounting and Finance, final year



**Bath has been ranked in the top 5 universities for graduate prospects in the UK\*. This is because Bath graduates continue to be some of the most sought after in the country, with almost two-thirds of undergraduates taking a work placement or period of study abroad as part of their course.**

*\*The Times/Sunday Times Good University Guide 2019*



A placement will give you the winning combination of academic knowledge and hands-on employment experience when you come to enter the job market. It's a fantastic way to gain experience in a real workplace, develop your employability skills and grow your professional network.

Placement opportunities at Bath are varied so you can find something to suit you and your career plans. You could be working in a multinational corporation overseas such as Microsoft or CERN, be part of an exciting start-up or non-governmental organization (NGO), or work for a charity.

What makes the placement scheme at Bath stand out is the tailored support you receive from our Faculty Placements teams. The teams in each faculty are specialists in your area of study, and will be on hand to provide advice and support from your first year.

You will get the chance to have help working on your CV, undertake practice interviews, and find suitable placements. Our placements teams work with many of the world's biggest organisations, and have developed a number of exclusivity agreements where companies offer places to Bath students only.

Whilst securing a role is your responsibility, we support you every step of the way.

**“The highlight of my placement was co-authoring my first scientific paper presented at an international underwater defence conference.”**

Rebecca Lane,  
BSc Mathematics and Physics  
including placement year





## Management student Vanessa Becker worked for Innocent Drinks as a Category Analyst during her placement.

During my time at Innocent Drinks, I was responsible for updating and developing performance tracking tools that were used across the business. Not only do I love the Innocent brand for what it stands for, but the role was fantastic too. **Before starting at Innocent, I didn't think that a placement position would have much of an impact but I've come to learn that I was a big part of the company and valued member of the team.**

One of the things that I felt uncomfortable doing was presenting in front of groups of people. However, during my placement I ended up presenting in front of the whole company. It's something that I never thought I would do but it was definitely one of the best things I've done!

I had a lot of support from the Placements team before and during my placement year. We had sessions on how to structure a CV and took part in mock interviews. The interview practice made me feel more at ease when interviewing with companies.

**Doing a placement was the best decision I could have made. You not only learn a lot about the company but you also learn a lot about yourself.**



## Chemical Engineering student Sam Lewis is currently on his placement year with pharmaceuticals giant, Patheon.

I am currently on my placement year at Patheon, a contract development and manufacturing organisation based in the UK.

Working in pharmaceuticals is really exciting at the moment and I think it's one of the most interesting fields in engineering. It's great to see all the different equipment, whether it is screens or pipes, coming together to make a process work. So much engineering goes into making such a small pill and such a small pill can make such a big difference to the lives of many.

The Placements team at the University have been really helpful. They gave me mock interviews and then feedback, which ultimately helped me get the job. **The Placements team also keep in touch whilst you on your placement year too. They'll make sure you're being given real responsibilities and they're always there if you need some advice.**

I think that there is so much you can learn from studying, that's great, but the real-world skills come from doing. The skills I'm learning at Patheon are absolutely invaluable to me. My vision for when I finish my placement is to have all the knowledge and application to continue with my studies. **I will now be able to do my final year design project knowing how a real project runs from start to finish.**




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## Mathematical Sciences student Charlotte Eldred enjoyed her placement at Deloitte so much that she's going back for more.

Before starting university I had no idea what my career would look like, and having so many options made me nervous! Choosing to do a placement gave me the chance to figure out what I enjoy, a taste of the work environment and a focus for life after I graduate.

**I worked on two large-scale technology transformation projects in my role as an analyst at Deloitte, with no two days ever the same.** I enjoyed feeling valued and having real responsibilities, working within an experienced and supportive team. Learning how to work effectively with other people, by accommodating different working styles and adding value myself, was a key lesson I learnt.

From a personal point of view, realising what motivates me has kept me driven and focused back at university. I was upfront about my reason for choosing a job in consulting: the opportunity to gain experience of several industries through different projects.

**This openness about my motivations helped me secure my placement and a subsequent job offer, and I'm looking forward to returning to Deloitte when I graduate.**




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## Social Policy student John Wood took on the challenges and opportunities offered by a placement in the House of Commons.

I was fortunate enough to be given the opportunity to work within the House of Commons as a Social and General Statistics Researcher. I instantly felt like a valued member and was given huge responsibilities. **Within the first few weeks I was regularly providing statistical data to MPs and producing official research papers and reports.** Throughout the year I was given more opportunities and challenges to develop and stretch my expertise. This was combined with great support and guidance not only from my work colleagues, but also from the university placement supervisors.

**Doing a placement has made me realise the real value of this opportunity that the University of Bath offers.** The sheer volume and quality of skills, as well as the depth of the knowledge I have gained during my placement year is extraordinary. Having an insight into how the workplace is run and what skills are valued is a real asset; giving me a huge advantage not only in my final year, but also will undoubtedly benefit my future career.

[go.bath.ac.uk/placements-20](http://go.bath.ac.uk/placements-20)

## Study abroad

Studying abroad not only improves your language skills, it also demonstrates ambition, confidence and a willingness to embrace new ideas, all of which are of great value to future employers.

Bath has exchange agreements with over 100 higher education institutions around the world, in Europe, Australia, Asia, Latin America, Canada and the USA.

For students on language degrees, studying or working in the language of your choice is compulsory. Other students can choose to study abroad as a course option. Studying abroad can be done as a full year or for just a semester depending on your course of study, and a semester of study abroad can be combined with a semester on work placement.

The University has exchange agreements with partner institutions in a number of European countries and operates the European Credit Transfer System (ECTS) so your qualifications will be understood in other European countries. Many of our students have chosen to study at institutions in Paris, Lyon, Siena, Rome, Madrid, Berlin, Munich and Copenhagen.

We also have exchange agreements with partner institutions in Argentina, Australia, Canada, Chile, Hong Kong, Mexico, New Zealand, Singapore, South Africa, South Korea, USA and Uruguay.

In all cases the opportunity to gain insight into another culture, broaden experience and develop both intellectually and personally, is invaluable.

[go.bath.ac.uk/study-abroad-20](http://go.bath.ac.uk/study-abroad-20)

**Modern Languages and European Studies student, Alina Hududui** spent 3 months in Luxembourg at the European Parliament and another 9 months in Madrid, Spain where she was translating and interpreting at the Complutense University.

*"My year aboard confirmed my desire to pursue a career in the language field, more specifically as a translator and interpreter.*

*My three-month translation traineeship in the Romanian Translation Unit of the European Parliament in Luxembourg last summer was a fantastic experience.*

*During these three months, I translated documents from English, French and Spanish into Romanian. My training was twofold as I had to translate both from scratch and with the help of Machine Translation. During my time at the European Parliament, I visited the European Parliament in Strasbourg, as well as Brussels where I attended Jean-Claude Juncker's "State of the Union" speech. A once in a lifetime experience.*

*Although Luxembourg is a small city, I could always find something interesting to do: festivals, art exhibitions, theatres, plus visits to other EU institutions.*

*I met a lot of inspiring people during my year abroad and feel grateful for the opportunity.*

*I wish that every student would experience the feeling of living abroad."*





## Developing your skills

Our Careers Service team are here to support you from your first year of study through to graduation, and beyond. The team help with career planning and job search skills, including interview techniques, aptitude testing, applications, and honing your CV.

The Careers Service also arrange up to 400 employer recruitment visits to the University each year, including career fairs. These visits are excellent networking opportunities to help you build connections and explore the career opportunities open to you.

[go.bath.ac.uk/careers-20](http://go.bath.ac.uk/careers-20)

## Open up global possibilities

Learning a language can increase your employability by opening doors across the globe and in international businesses. You can choose to learn a new language, brush up on your existing skills or improve your English language proficiency by taking advantage of our wide range of free language opportunities.

We host weekly language classes, taught by qualified language teachers, where you will meet other students from all years of study and disciplines. You will also be able to practise your language skills informally, by meeting with international students in our Language Exchange programme.

[go.bath.ac.uk/skills-20](http://go.bath.ac.uk/skills-20)

## The Bath Award

Whatever you want to do when you leave university, chances are you will have to compete hard to win the best opportunities. The skills and experiences gained alongside your academic studies are being valued more and more by employers.

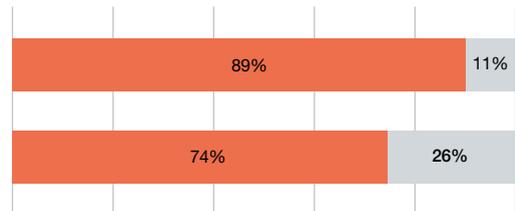
The Bath Award recognises the experiences, skills and strengths you have gained through participation in extra-curricular activities, volunteering, work experience, part-time work, global opportunities and more.

This qualification appears on your degree transcript, and provides potential employers with evidence of the skills you have developed in your time at university. The qualification is also free for all students.

[thesubath.com/bathaward](http://thesubath.com/bathaward)

## Our graduates in the workplace

89% of our employed UK domiciled full-time first degree graduates are in the top three occupational groups (professional or managerial jobs) compared with 74% nationally.



■ Professional or managerial jobs  
■ Non professional or managerial jobs

The mean annual salary for Bath's full-time UK domiciled first degree graduates employed full-time in the UK was £27,000 roughly six months after graduating; £4,500 above the national figure.

Source: HESA Destinations of Leavers from Higher Education Survey 2016/17 - census date six months after leaving

**“As a student with Autistic Spectrum Disorder, the support I received from the Careers Service was the biggest factor in enabling me to secure employment. The one-to-one appointments and practice interviews helped me develop effective strategies for my disability at each stage of an application. Their input was invaluable and I have recently secured a graduate role with Accenture.”**

Christopher Ellis, MSc Biosciences



# Be the next big thing

**We have welcomed more than 100,000 alumni into our community around the world, including around 500 remarkable men and women as honorary graduates. Studying at the University of Bath means belonging to a global network. Our graduates are proud of their Bath connection, and want to help you to succeed too.**

## Bath is for life

As a student, you'll belong to a global network of more than 100,000 people. Our graduates are on hand to help you make the most of your time at Bath, and beyond.

Bath graduates go on to successful careers all around the world, so if you're heading off on placement, chances are we can put you in touch with a friendly face.

They also support you while you're studying, helping you enjoy all the clubs, societies and opportunities that make being at Bath so special.

*"Getting involved in Bath Entrepreneurs was the best decision I made at university. I met so many great people, from students who are now some of my closest friends to successful entrepreneurs who will be very useful connections in the future."*

*"If you have an idea for a business you'd like to start then you should definitely start it. You have so much time at university to work on your idea and even if it doesn't work out you will learn a lot from the process."*

Joshua McDonald (MEng Chemical Engineering 2018), Head of Business Development

## Make the Bath Connection

Whatever you're aiming for, our former students want to help you get there.

Bath Connection is an easy way to take advantage of the support our graduate community offers. You can network with graduates all around the world to receive careers support, CV advice and interview tips.

You'll find profiles of thousands of graduates around the world to speak to, including high profile execs, start up owners and more. From asking a quick question about working for a particular organisation to finding a mentor for ongoing support, you'll learn from someone who has 'been there already' and wants to help you succeed too.

*"One of the things I appreciated the most at university was Bath's emphasis on placements. The guidance I received was invaluable to helping me get my placement, and later my graduate job."*

*"My family all have very different careers to me, and so I wanted to help students who maybe don't have families or another network where they can ask for advice about some of the typical graduate jobs."*

Heather Naylor (BSc Mathematics 2011), Strategy Manager

[go.bath.ac.uk/bath-connection-20](https://go.bath.ac.uk/bath-connection-20)

# Be who you want to be

**“We're here to empower you, equip you, and make your student experience truly unforgettable.”**

Eve Alcock  
SU President 2018–19



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**The Students' Union (SU) will provide you with lots of ways to socialise, gain new experience, give something back and get your voice heard. The SU is a registered charity and everything they do is run by students, for students.**

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## Groups

Whether you've spent years perfecting your yoga poses and want to take it to the next level, fancy trying something new like Ultimate Frisbee, or if you're simply keen to meet new people by bonding over the latest video games, the SU student groups have got it covered. There are over 160 groups that are open to all students.

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## Experiences

The SU gives you the chance to take on new adventures and explore all the opportunities that student life offers. There will be many occasions to let your hair down and have fun, from music events, food fairs and cultural trips, through to the biggest and best club nights in Bath. The SU also runs the big, annual events such as Freshers' Week and the Summer Ball.

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## Support

The SU has an independent Advice & Support Centre with professional advisors who are on-hand to guide and support you with any problems during your time at Bath. They offer confidential, independent and non-judgemental advice and support. There are also a number of support groups run by students who run campaigns and events for awareness or action purposes. The SU also offers peer support through peer mentors and peer assisted learning.



**“There are countless things to get involved with on campus like volunteering, societies and sports clubs so you will almost always find your niche here at the uni.”**

Chrystabel Chinye,  
Pharmacy, 3rd year



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



## Development

Your time at university is one to grow and develop and the SU encourage you to think ahead and start planning for the future as soon as you arrive. There are lots of options available from part-time jobs and volunteering to skills training and enterprise opportunities. You will meet and share experiences with so many students along the way and make life-long connections.

## Voice

Student representation is a big part of what The SU does; students can tell the SU what they think and together you can form a movement for positive change on campus and beyond. Students are encouraged to lead their own campaigns, become an Academic Rep to represent their course, join executive committees or even just voice ideas to improve the SU, the University and the community.



# Be active

**We offer a huge range of recreational opportunities so everyone at the University can enjoy sport and exercise – regardless of ability.**

**Our facilities and expertise are open to all.**



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## Sport at Bath

Training is available in a range of activities in an open and friendly environment. Our team of coaches, sports science personnel and physios work with a wide range of performers from student recreation up to Olympic level.

We are open seven days a week and students have plenty of opportunities to use our sports facilities. We have a student recreational sport programme (Bath Active), and also offer personal development opportunities through coaching, volunteering, innovation and leadership schemes.

At Bath we have one of the leading high-performance environments in Europe, hosting around 250 international-level athletes and national and regional squads across 10 sports.

As a student, you will also have the opportunity to watch top sport on campus, as we play host to profile events such as the European Modern Pentathlon Championships, Invictus Games GB team trials, Netball Superleague and Super Rugby matches amongst others.

[go.bath.ac.uk/sports-20](http://go.bath.ac.uk/sports-20)



## Our facilities

Our extensive range of sports and recreation facilities can be accessed via your Sports Pass which will be added to your Library card when you start as a student. This gives you access to the Sports Training Village, Founders Complex and Sulis Sports Club (off-campus).

Here's what we can offer you:

### Our Sports Training Village



**Team Bath Gym and Fitness Centre**  
Newly-opened and expanded across three floors\*



**Olympic-sized swimming pool**  
Swim alongside Olympic medalists in our London 2012 Legacy Pool



**400m outdoor athletics track**  
Surrounds a multi-purpose in-field and overlooked by a viewing balcony



**Indoor athletics hall**  
Featuring 132m sprint track, allowing training whatever the weather



**Multi-purpose sports hall**  
Used for badminton (12 courts), netball, gymnastics and much more



**Eight-court indoor tennis hall**  
Available for competitive and recreational tennis, plus lessons



### Group exercise classes

More than 50 fitness classes a week with something for everyone\*



### Multi-purpose, all-weather pitches

For hockey, five-a-side football and general purpose



### Dedicated football & rugby pitches

Available both on campus and in the nearby Sulis Sports Club



### 300m<sup>2</sup> judo dojo

Based on a traditional Japanese-style martial arts facility



### Fencing salle

The eight-piste facility also includes an indoor shooting range



### Physio & Sports Science

Delivered by a dedicated team of highly qualified therapists and practitioners\*



### Outdoor tennis courts

Four acrylic, four artificial clay and two clay to complement our indoor courts



### Jumps and throws hall

Large multi-use facility providing more indoor training options for athletes



### Disability sports

All Sports Training Village and Founders Hall sports facilities are accessible

\*Many of these facilities are free to use but a charge may be made for some of the facilities and membership of specific clubs and there is a charge for gym membership.

# Be creative

**The Edge is the hub of creative life on campus. Here you'll find opportunities to participate in art and creative practice using top-class facilities. Join the Edge Arts Community, take classes in visual arts, music and dance, with opportunities to become more involved behind the scenes too.**

Alongside your own creative pursuits, our professional programme encourages and nurtures art and research collaborations, from mechanical engineers and sculptors interested in moving structures, to architects working with artists, and inventors merging the lines between science and art.

Edge Arts also offers a range of arts development platforms to facilitate excellence in creative ambition. We support students who are keen to develop their arts interests alongside their studies. You could receive up to £1,500 and be part of a scholar network, collaborating with like-minded peers and performing or exhibiting at our art centre and beyond. Arts Scholarships, bursaries and awards are offered to support the best creative ideas and proposals.

The Edge team also work alongside the Students' Union to provide space for the creative endeavours of student societies engaged with the arts, making the most of the fantastic facilities.

From complete beginners to accomplished artists and performers, there are all sorts of ways to get involved in the arts at Bath.

- Music Tuition - Handpicked expert tutors subsidised by the University
- Music Rehearsal - State-of-the-art practice rooms
- Performance and exhibiting opportunities, lunchtime concerts, photo competitions and more
- Dance classes - From Ballet to Contemporary
- Life Drawing lessons - Inspirational art classes
- Scholarships - Funding and showcase opportunities
- Arts societies - Excellent rehearsal and performance spaces
- Galleries - Free exhibitions on campus
- Art and Research Collaborations - Science and arts projects to get involved with

**[edgearts.org](http://edgearts.org)**

**“The campus always keeps me on my toes, there’s never a dull moment and always so much to do. Whether an all-nighter at the library, hours of dancing my heart out at The Edge dance studio, or just enjoying a quiet coffee break by the lake.”**

Annaika Ahuja, Management with Marketing,  
3rd year



# Supporting **you**

**“There is a huge range of support; from peer mentors and personal tutors to the access of Student Services. The University makes a huge effort to ensure that you are supported throughout your time at Bath.”**

Eva Butterworth,  
Biomedical Sciences, 3rd year



**Coming to university is a big change for everyone. Exciting as this new chapter is, you may need a little help along the way to make sure the transition to university life and your new community is as smooth as possible. Built around your needs, our support is there to do just that.**






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## Money

Managing your money, sometimes for the first time, can be a challenge but we have a Student Money Advice team on hand to support. They provide a confidential service on all aspects of student finance, including hardship funding, budgeting and practical tips.

[go.bath.ac.uk/money-20](http://go.bath.ac.uk/money-20)

For more information on scholarships and bursaries, see page 57.

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## Disability

The Disability Service provides advice and support for students with any form of disability. This includes: mobility and sensory impairment; specific learning difficulties; autistic spectrum disorders; mental health difficulty; and long-term health conditions.

[go.bath.ac.uk/disability-service-20](http://go.bath.ac.uk/disability-service-20)

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## Health

There is a University Medical Centre and a Dental Practice situated on campus, providing a wide range of NHS services. You will need to register when you arrive here.

Medical Centre:  
[umcbath.co.uk](http://umcbath.co.uk)

Dental Centre:  
[bath.ac.uk/guides/join-the-dental-centre/](http://bath.ac.uk/guides/join-the-dental-centre/)

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## Counselling and Mental Health

The Counselling and Mental Health team can help you get the most out of your studies through individual and group support. All support is free and confidential and the team are able to cover a range of issues.

[go.bath.ac.uk/counselling-mental-health-20](http://go.bath.ac.uk/counselling-mental-health-20)



## Students' Union support schemes

### Peer mentoring

Every first year student is assigned a Peer Mentor – a current Bath student who you can chat to about anything. They've already been through the same thing you're going through, so you'll always have someone to talk to who will understand.

[thesubath.com/peer-support](https://thesubath.com/peer-support)

### Nightline

Nightline is a confidential listening, support and practical information service run by trained students, for students. You can talk to them about anything – big or small – in confidence, remaining fully anonymous. They won't judge you or tell you what to do. They will simply listen. They are open 8pm-8am every night of the semester. Their telephone number is on the back of your library card.

[thesubath.com/nightline](https://thesubath.com/nightline)

## Wellbeing Service

Here to smooth out any bumps along the way when you start university life, our Wellbeing Advisers are on hand to help and support you. You can talk to a Wellbeing Adviser about anything - they work hard to create a safe and inclusive space. Welfare and wellbeing drop-in sessions are run every day\*.

[go.bath.ac.uk/wellbeing-service-20](https://go.bath.ac.uk/wellbeing-service-20)

\*Hours may vary during weekends and university vacation. Please visit our webpages for further information.

## Childcare

Westwood Nursery provides quality campus-based care for children aged six months to school entry age. Places are subject to availability. Contact the Services Manager for further details.

Email: [nursery@bath.ac.uk](mailto:nursery@bath.ac.uk)  
or Tel: +44 (0)1225 386518

## Faith

The University Ecumenical Chaplaincy Centre welcomes those of all faiths and no faith, with a Chaplain on call for students every weekday. We have a Muslim prayer room on campus with washing facilities.

[go.bath.ac.uk/chaplaincy-20](https://go.bath.ac.uk/chaplaincy-20)

**“As an international student,  
I had lots of questions on visas  
and entry requirements and the  
Admissions team were always  
on hand to help.”**

Daniel Casares-Lauritsen,  
Management, 2nd year



# Getting into **Bath**

**We welcome applications from students of all nationalities, ages and backgrounds.**

**Our Admissions team is on hand to guide you through the application process and help with any questions.**

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## Your application

Here at Bath, admissions decisions are made by a team of dedicated Admissions Selectors whose job is to make fair and consistent decisions, reading and assessing each application in full. We consider all aspects of your UCAS application and every decision is reviewed by at least two members of our team before it is confirmed. You can get in touch with us at any time if you have any questions about applying to Bath or your application.

### Interviews

We do not normally interview as part of our admissions process. However, we will interview where we need to assess suitability for a particular profession (such as Addictions Counselling, Pharmacy or Social Work courses) or if you are taking certain qualifications which are difficult to assess on a UCAS application alone (such as Access to HE Diplomas and BTECs for some of our courses). If you are applying for our Sports Performance course you may also be invited to a trial as part of your application. For more information about interviews at Bath, we recommend you head online:

[go.bath.ac.uk/interviews-20](https://go.bath.ac.uk/interviews-20)

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## Your personal statement

Your personal statement is your time to shine. It's an important opportunity for you to let us know more about you and why you have chosen your course of study. Our team of Admissions Selectors will read your personal statement in detail, and it is important that you demonstrate to us both why you are interested in your course as well as the skills, knowledge and experiences you have gained to help you to succeed. We recommend that you write in detail and reflect on your experiences to tell us what you have learnt, what you found particularly interesting, and how this relates to your interest in the course.

For full details on what we are looking for in your personal statement we recommend you head online:

[go.bath.ac.uk/personal-statements-20](https://go.bath.ac.uk/personal-statements-20)

## Your experience

We know that the opportunities available to you during your school career may be different from other students and your particular circumstances are important to us. As part of looking at each application as a whole, we not only consider your personal statement and predicted grades, but also the environment in which you have been studying and the other qualities and experiences you have which will benefit you as a student.

### Mitigating circumstances

You may have experienced circumstances outside of your control that have affected (or may go on to affect) your academic achievements, be they personal, health-related or issues affecting your schooling. We always want to do our best to account for your individual circumstances, but can only do so if we are kept informed and aware. Should you apply, we would therefore strongly encourage you to get in touch using our dedicated mitigating circumstances form so we can support you.

[go.bath.ac.uk/mitigating-circumstances-20](http://go.bath.ac.uk/mitigating-circumstances-20)

### Mature students

We welcome applications from mature students and value the additional life experiences and qualities you can bring to our courses. We want to ensure every student who joins us is prepared for full-time study, and therefore as a guide we are looking for you to have completed some relevant academic study within the three years before starting your degree with us. You can find full information about applying and studying as a mature student online:

[go.bath.ac.uk/break-from-education-20](http://go.bath.ac.uk/break-from-education-20)

### Joining university under age 18

If you are under 18 when your course starts, the University will not have parental responsibility for you. Your parents or guardians will also be expected to complete additional forms which must be returned as part of the application process.

### Gap years

We are happy to accept deferred applications, except for our Social Work and Addictions Counselling courses. This means that you can apply to enter following a gap year, or ask to defer your place after you have applied if your circumstances change. Whether you choose a gap year and what you do with it should be up to you – we will not ask you to justify why you are choosing to take one.

## Your qualifications

The course pages in this prospectus include the details of our typical offer for students studying A levels or the International Baccalaureate Diploma (whether you study them in the UK or abroad). However, you may be studying many other qualifications that we are able to consider. We can also consider you if you are studying a combination of accepted qualifications, for example, a combination of A level and BTEC study.

Examples of UK qualifications we commonly accept include:

- Access to HE Diploma
- BTEC or Cambridge Technical Level 3 qualifications
- Cambridge Pre-Us
- International Foundation Year Programmes
- Scottish Highers and Advanced Highers

We accept many qualifications studied internationally, including:

- Advance Placements (APs)
- European Baccalaureate
- French Baccalaureate (including the OIB)
- German Abitur
- Hong Kong Diplomas of Secondary Education
- Indian Higher Secondary School Certificate (12th Standard)
- Malaysian STPM
- Singapore A levels
- Spanish Título de Bachiller
- Turkish Lise Bitirme Diploması

Typical offers for all of these qualifications (and many others) are on our website, where you can find out what we might be expecting for your chosen course:

[go.bath.ac.uk/ug2020](http://go.bath.ac.uk/ug2020)

If we do not publish a typical offer for your qualifications that does not necessarily mean that we will not accept it. In all cases, please contact our Admissions Team for more information: [admissions@bath.ac.uk](mailto:admissions@bath.ac.uk).

### Predicted grades

Our typical offers give the standard we are looking for in your final grades, however, you do not need to be predicted to meet them to receive an offer and the full merits of your application will be considered if you are predicted in the region of our requirements.



## English Language entry requirements

Every student has to prove they meet the English language requirement for their chosen course. To make things easier for you, we have grouped our courses into three categories based on the required English level, summarised in the below table. More accepted qualifications and further information is available on our course pages:

[go.bath.ac.uk/ug2020](https://go.bath.ac.uk/ug2020)

We generally only accept an English language qualification if you have completed it within 30 months of starting your degree (or 24 months for tests with an expiry date, such as IELTS, TOEFL IBT and Pearson PTE Academic).

	GCSE or IGCSE	IELTS	TOEFL IBT	Pearson PTE Academic	IB Diploma
<b>Category A</b>	6 or B	7.0 with 7.0 in each component	100 overall with 27 in each component	69 with 69 in each element	
<b>Category B</b>	4 or C	7.0 with 6.5 in each component	100 overall with 24 in each component	69 with 62 in each element	A pass in the IB Diploma including English taken at Standard or Higher Level
<b>Category C</b>	4 or C	6.5 with 6.0 in each component	90 overall with 21 in each component	62 with 59 in each element	
<b>Category D</b>	4 or C	6.0 with 5.5 in each component	87 overall with 19 in each component	58 with 55 in each element	

## Your opportunities

We know the opportunities available to you in your school career may be different from other students and your individual experiences are important to us. Taking into account the background of our applicants is built into every stage of our admissions process.

### Contextual admissions

To make sure that we are taking into account the context in which you have been studying when we are making admissions decisions, we look at a range of data about you and your schools alongside the information provided in your UCAS application. This helps to give us a fuller indication of your future potential and helps to ensure that all applicants have an equal opportunity through our admissions process.

You can find full information about the contextual data we use and how it may apply to you online:

[go.bath.ac.uk/contextual-admissions-20](https://go.bath.ac.uk/contextual-admissions-20)

### How your UCAS application will be considered

Your application will first be considered on its academic merits against the admissions criteria for your chosen course. If your application is strong enough then you will receive an offer, regardless of any contextual factors.

If after the first assessment your application shows potential but is not of a standard that would typically allow us to make you an offer, we will check whether your application meets our criteria as a widening participation priority based on your additional contextual data. If so, you will be given additional consideration from our specialist Admissions Progression Team.

Our Admissions Progression Team make sure that information about your background and circumstances are taken into careful consideration before a decision is made on your application. They will make sure that we show you as much flexibility as possible when we are deciding whether or not we can make you an offer. They will also do this if your final grades are lower than your offer and we are deciding whether or not we can still confirm your place.



## Alternative offers for A level and Cambridge Pre-U students

At Bath, we always aspire to admit students with the greatest potential to succeed on our courses. We also know that success is individual so our approach to offers reflects this.

We only ever require three A-levels (or principal subjects) for our courses. However, your extra studies (such as an EPQ or Core Maths) are recognised in our alternative offers. If you are studying a recognised 'extra' course or qualification, you may be eligible for an alternative offer that is one grade lower than our typical offer (e.g. AAB instead of AAA). These alternative offers require high achievement in the relevant 'extra' and are made alongside our typical offer.



### Project qualifications

An individual project helps you develop valuable skills in independent research and study, time management and extended writing, which are excellent experiences for all our degrees.

#### Projects which count as extras include:

- Extended Project Qualification (EPQ)
- Welsh Baccalaureate Skills Challenge Certificate
- International Project Qualification (IPQ)
- Cambridge Pre-U Global Perspectives

### Maths skills

How much maths you need to study varies for our degrees, from none at all to two A levels. Regardless, extra maths study beyond our entry requirements is beneficial in building your analytic skills and confidence to succeed in the modern world.

#### Extras for degrees not requiring Maths A level:

- Core Maths
- AS level Maths or Statistics

#### Extras for degrees requiring Maths A level:

- A level (as a fourth subject) or AS level Further Maths

#### Extras for degrees in Mathematics or Statistics:

- STEP or MAT exams

### Widening Access schemes

As a university we offer a range of schemes designed to equip you with the skills to succeed in progressing to study a degree, whatever your background or previous experiences. Successful participation and completion of these schemes also counts as extra study for our alternative offers.

#### Schemes include:

- **On Track to Bath**  
Our local curriculum enhancement programme
- **Pathway to Bath**  
Our online curriculum enhancement programme
- **Discover Bath Residentials**  
Our summer school opportunities for year 12 students

More details on these schemes and how to take part are available online:

[go.to.bath.ac.uk/widening-access-20](https://go.to.bath.ac.uk/widening-access-20)

You can find full information about our alternative offers online:

[go.bath.ac.uk/alternative-offers-20](https://go.bath.ac.uk/alternative-offers-20)

# Funding your studies

**Getting a university degree is a good investment for your future. We want to ensure that you have all the information you need so you can manage your finances throughout your time at university.**

## Tuition fees

All students pay annual fees covering tuition and standard examination costs\*. Details of any additional, course-specific costs are provided on individual course pages in this prospectus. Fees for the 2019/20 academic year provide a guide to future fee levels but can change over time, and may increase on an annual basis. The most recent information will be on our website:

[go.bath.ac.uk/ug-fees-20](http://go.bath.ac.uk/ug-fees-20)

### Tuition Fees 2019 entry

#### Home/EU/Islands students

<b>Campus-based courses</b>	<b>£9,250</b>
<b>FdSc Addictions Counselling</b>	<b>£7,710</b>

#### Overseas students

<b>Faculty of Humanities and Social Sciences</b> (Including BSc International Management and Modern Languages, NOT including BSc/MSci Sport and Exercise Science or BSc/MSci Physical Activity and Health)	<b>£16,600</b>
<b>School of Management</b>	<b>£18,500</b>
<b>Faculty of Engineering and Design, Faculty of Science</b> (plus BSc/MSci Sport and Exercise Science and BSc/MSci Physical Activity and Health)	<b>£20,700</b>

For details of overseas fees for FdSc Addictions Counselling, please contact [admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)

\*Re-examination fees are paid separately.



### Home Fees

Home fees are regulated by the UK Government and are liable to increase annually with inflation. We expect to charge the maximum fee permitted for each year of study. EU/Islands undergraduate fees for students commencing study in, or prior to, 2019/20 will be the same as the UK undergraduate fee for the duration of their course. The UK Government has not yet issued guidance on the ongoing fee status of EU students entering UK Higher Education in 2020/21.

### Overseas fees

Overseas fees usually increase by up to 5% for each additional year of study. We will not increase your fees by more than this percentage, so you may want to consider budgeting for this increase to make sure you can afford each year of study. The amount will be updated online by December for the following academic year.

### Placement and Study Abroad fees

During a placement or study abroad year, you will pay a reduced fee. For Home and Islands undergraduates, these are currently capped by the Government at either 20% of the full-time fee for work placements or 15% for study abroad, or if the placements are part of the Erasmus+ scheme. Islands students are charged the same fees as Home students. Home and Islands students on BBA and Architecture courses, where the placement 'year' is divided across two years, will usually pay the full fee in Year 2 of the course, and the reduced fee in Year 3.

Overseas students pay a fee which is different depending on the type of placement and/or their course. Overseas students on BBA and Architecture courses, where the placement 'year' is divided across two years, will pay pro-rata fees over the two placement years.

Where a course offers a shorter optional, additional placement or study abroad period, usually in Year 4, this is not classed as a placement year for fees purposes and is subject to full fees.




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## Loans and grants

### UK students

Government support for UK students varies between UK nations. Tuition fee loans are available to students across the UK. If you are eligible, this means you don't have to pay tuition costs up front, but will be expected to pay through your salary after you finish your studies. UK students can also normally access maintenance support for help whilst studying. This can be in the form of loans or grants, depending on where you live.

For information on Government loans or grants and other targeted support, it's always best to look at the information which applies to you. Each of the UK nations publishes this information on their relevant student finance website.

### Islands Students

Support for Islands students is provided by your local government authority. You should consult your relevant website to find out what's available to you, and how to apply.

### Overseas students

Overseas students are not normally eligible for financial support from the UK Government. You will need to make sure you have sufficient resources to cover your tuition costs and living expenses whilst here. For more information, the UK Council for International Student Affairs provides advice on fees, funding and student support for international students:

**[ukcisa.org.uk](http://ukcisa.org.uk)**

# Financial Support

**We want our students to have the motivation and means to succeed. Every year, we provide additional financial support to hundreds of students.**

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## Scholarships and bursaries

Our awards are reviewed annually and new scholarships may become available. For 2020, some of our scholarships and bursaries include:

### The Bath Bursary

£3,000 per year of study (except paid placement years) for UK students with a household income of £25,000 or below, meeting a range of eligibility criteria.

### The Chancellor's Scholarship

A £1,000 or £2,000 first year tuition fee waiver for overseas students with top grades in their entry qualifications.

### The International Baccalaureate 50th Anniversary Scholarship

A first year tuition fee waiver of up to £8,000 (combined with the Chancellor's Scholarship) for exceptional overseas students studying the International Baccalaureate.

### Arts Scholarships

A scholarship to cover the cost of arts tuition or support students with artistic talent, be that in music, performance, visual arts or technical services.

### Sports Scholarships

Reflecting Bath's sporting ethos, these scholarships support exceptional athletes to reach their full potential.

### Corporate Scholarships

These awards, sponsored by leading global organisations, are worth up to £3,000 per year. Current partners include Lloyds, AB InBev, and JP Morgan.

### The Gold Scholarship Programme

Established to commemorate our 50th Anniversary, this exciting programme offers up to 50 students a £5,000 bursary per year of study (except paid placement years), alongside activities to enhance their Bath experience and boost career aspirations.

Activities include:

- 50 hours annually of volunteering/fundraising/outreach
- Mentoring from Bath alumni
- Personal development, networking and skills training
- Support with placements and internships
- Access to pastoral support networks

Students eligible for the Bath Bursary can apply for this programme before starting their course.

For the latest information and eligibility criteria, visit

[go.bath.ac.uk/student-funding-20](https://go.bath.ac.uk/student-funding-20)



**“I’ve really enjoyed being associated with a group of diverse people who also understand each other very well and I’ve enjoyed being able to fulfil my student life at university without the worry that I may have to drop out because of finances. The volunteering opportunities I’ve found have completely suited me and even helped me to progress towards my future.”**

Year 1 Gold Scholar

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## Additional support

We provide additional support and funding including interest free short-term loans for managing any temporary cash flow issues alongside hardship funding for more significant challenges, such as unexpected additional costs or changes in family circumstances. Our advisors can also help you make new financial plans.

We welcome students from all backgrounds, including young carers, refugees, and those who are care leavers, from Foyers, or estranged from their parents. We provide students in these circumstances with a key contact offering advice and guidance on a range of topics, including accommodation, careers, academic skills, wellbeing, and support available from external organisations.

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## Part time work

Working part-time during your studies is a great way to earn extra money and can be really useful for future employment, so it’s worth exploring the options available in Bath. If you’re moving here to study but already have a job with a large organisation, you could also see if it’s possible to transfer to a nearby branch.

The University employs over 2,000 students in a variety of roles, from keeping our campus running as bar, café or shop staff, to supporting other young people to make an informed decision about their future as a student ambassador. Get a sense of what’s available at JobLink:

[thesubath.com/joblink](https://thesubath.com/joblink)

# International Students: a global community

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## The Bath community

The Bath community is made up of staff and students from all over the world. Over 100 nationalities are represented among our 3,500 international students and we embrace the diversity and multi-culturalism that our international students bring to Bath.

Starting university is a big step for anyone, and moving to a new country at the same time is an even bigger one. That's why our Student Services team is here to support you along the way.

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## Before you leave for Bath

We will communicate with you regularly to help you plan for your journey to Bath. We also suggest that you contact the British Embassy or High Commission/ Consulate in your own country for advice on entry to the UK as a student.

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## Tier 4 visas

Many of our international students live outside the EEA and so will require a Tier 4 visa to study in the UK. We currently have around 2,800 Tier 4 students at the University of Bath. Our Student Immigration Service is here to advise on all aspects of your visa application and to support you when you are here. We also offer 'check and send' appointments for visa applications.

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## Accommodation

All students, UK and non-UK, will need to submit an online application for accommodation once they have accepted an offer to study at the University. There are several accommodation options to suit different needs and budgets, and more information can be found on page 18.

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## Extra support when you arrive

Our international students can expect a helping hand on arrival: we can collect you by bus from London Heathrow Airport and help you settle into your new accommodation. We organise a welcome programme of events for our international students, including information sessions, tours of the campus and city, and social events. You can also speak to an adviser in person at one of our daily drop-in advice sessions in the Student Services Centre, the Roper Centre.

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## Get involved

We encourage all our students to get involved with activities outside of their lectures. Joining a society, a sports club or becoming a community volunteer are great ways to meet new friends, familiarise yourself with UK culture, develop your skills, and improve your conversational English.

# International Foundation Year



Our International Foundation Year (IFY) is a one-year course to prepare international students for entry to a University of Bath degree.

From September to June, you will study at our partner organisation, Bath College in the city centre. Provided that you achieve the progression grades in the required subjects, you will then move on to the first year of your chosen undergraduate degree the following September. If you achieve the required grades, and show academic excellence, you'll not only get a guaranteed place at the University of Bath but you could also be eligible for one of the University's International Foundation Year Progressing Student Scholarships.

**“The International Foundation Year was not only a foundation for knowledge but also a foundation for living abroad and becoming more independent.”**

Dina Siyam, target degree 2018  
MEng(Hons) Integrated Design Engineering



**“The most important thing I developed during my International Foundation Year was a positive and independent mind-set. This was a great help at uni but it also prepared me for life in the workplace. After graduating I joined Deloitte UK and I am now working at Ernst & Young in Beijing, which I love.”**

Chao Du, graduate 2014  
University of Bath  
BSc (Hons) Business Administration

## What do I need to get on the course?

The IFY is for international students whose qualifications are not appropriate for direct entry, provided you have the required standard of English language (required for visa regulations). You will need a minimum IELTS score of 5.5, with at least 5.0 in testing each component. Those wishing to target a School of Management degree at the University of Bath require a minimum IELTS score of 6.0, with at least 5.5 in each testing component.

## What will I study?

You will study three of the following academic subjects, depending on your chosen progression degree: Biology, Business, Chemistry, Economics, English for Academic Purposes, Mathematics, Physics and Social Science.

**76%**

Students achieving  
progression in 2017/18

## How much contact time is there and how am I assessed?

There is an induction week at the start of the programme, then 30 weeks of taught classes and two exam weeks. There are 21 timetabled hours each week with time set aside for independent study too.

Typical assessment methods will include coursework, written examination, practical work, and oral assessment. Typical delivery methods will consist of lectures, tutorials, laboratory sessions, and online resources.

## How do I apply?

Applications are made directly to Bath College (you do not need to apply through UCAS).

More information on how to apply, course costs and the International Foundation Year Progressing Student Scholarships, can be found at:

**[bathfoundationyear.com](http://bathfoundationyear.com)**

# Course finder



## Important information that you should know

This prospectus is published for the guidance of students who wish to enter the University in the 2020-21 academic year. The information in the publication is correct at time of going to press. For the latest information about the University of Bath and its courses, see [go.bath.ac.uk/study2020](https://go.bath.ac.uk/study2020)

There may be occasions where due to unforeseen or unavoidable circumstances it becomes necessary to make significant changes to a course or to withdraw it or part of it, for example a particular unit/module. Such action could become necessary if for example the following were to occur:

- a member of staff leaves the University and we are unable to find a suitable replacement (e.g. with the requisite academic knowledge/experience);
- a professional body or regulator/accreditor requires changes to be made to a course or withdraws their accreditation of a course;
- changes have to be made to reflect legislative changes/requirements;
- changes have to be made to reflect changes in standards set by relevant regulators and/or in keeping with best practice or developments related to the particular discipline/subject area;
- student feedback clearly indicates that immediate changes be made to a course or unit;
- unexpected low recruitment to a course or unit/module means it is simply no longer viable or practical to run it.

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# Accounting and finance

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## Accounting and finance combines the study of financial systems with the measurement and communication of this information.

Accounting and finance professionals are important to almost all functions of business. Learn to use your numerical abilities in a practical way to open up career opportunities in a wide range of sectors.

As well as a detailed understanding of financial systems, you'll develop your analytical skills. You can also gain a broad insight into other business areas including law, marketing and strategy.

In your final year you'll be able to apply for our International Academic Exchange programme. You'll gain international exposure by spending a semester studying abroad at one of our partner business schools.

If you choose our four year course, you'll be able to apply your skills in a practical business environment with a placement year. You will gain a distinct advantage in the graduate job market with this valuable experience.

The School of Management works with over 300 companies of all sizes across all business sectors.

### Teaching

You'll learn from academics with expertise in accounting and finance. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

### Careers

100% of our employed Accounting and Finance (four year) graduates are in a professional or managerial job within six months of graduating. Our average salary six months after the course is £28,000 - that's £5,000 more than the national average (Unistats).

Employers include:

- Deloitte
- Deutsche Bank
- Goldman Sachs
- KPMG
- PwC
- Royal Bank of Scotland

Many of our graduates continue their studies and pursue academic or research careers.

**1st** for Accounting and Finance in the Guardian University Guide 2019

**3rd** for Accounting and Finance in the Complete University Guide 2019

**4th** for Accounting and Finance in The Times and Sunday Times University Guide 2019

**“I was exposed to senior finance personnel from the outset and given a high level of responsibility. During my placement I began my ACA, and EY even made me a graduate offer.”**

Rebecca Parsons, BSc (Hons)  
Accounting and Finance

# Accounting and Finance

NN34 BSc (Hons) Three years  
 NN43 BSc (Hons) Four years with placement year

## Entry requirements

Typical offer: AAA or A\*AB

### GCSE

6 or B in English (or equivalent from category A – see page 51).

### A level

AAA or A\*AB including A in Mathematics.

### International Baccalaureate

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects including 6 in Mathematics.

You may be considered if you are taking Standard Level Mathematics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/acc-fin-20](http://go.bath.ac.uk/acc-fin-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

## Professional accreditations

Our graduates are able to apply for professional qualification exemptions from:

- The Association of Chartered Certified Accountants (ACCA)
- The Chartered Institute of Management Accountants (CIMA)
- The Institute of Chartered Accountants in England and Wales (ICAEW)

Gain a solid grounding in core management areas. You'll develop the knowledge and skills needed for a career in accounting, finance or business.

Year 1 covers the fundamentals of economics, finance and accounting. These core principles will provide context for the rest of your course.

From Year 2 onwards you'll specialise in accounting and finance, with a range of compulsory and optional units. Compulsory units will equip you with the contemporary knowledge and skills you'll need for a financial career. Final year units focus on advanced level accounting and finance.

After your first year, you'll be able to choose from a wide range of optional units. These let you explore other areas of interest like entrepreneurship, investment banking or leadership.

In your final year, you can apply for our International Academic Exchange programme. You'll gain international exposure by spending a semester studying abroad at one of our partner business schools.

## Key areas of study

### Year 1

Business law | Accounting | Finance | Economics | Statistics | Mathematics | Business computing

### Year 2

Financial accounting and reporting | Contemporary issues in accounting and finance practice | Management accounting | Corporate finance | Empirical finance | Plus optional units

### Final year

The final year consists of optional units.

You'll be able to choose from over 40 optional units in Year 2 and the final year, including UK tax and tax planning for the growing business, Investment and trading, Advanced macroeconomics, Management consulting: data driven approaches and Behavioural finance.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree.

Recent employers include Goldman Sachs, UBS and PwC.

# Architecture

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## Architecture is the practice of designing and building structures. Architects use science, art, technology and humanities to create built environments.

**1st** for Architecture in The Times and the Sunday Times Good University Guide 2019

**1st** for Architecture in the Complete University Guide 2019

### Ranked 1st

Architecture has been ranked first in at least one of the national league tables for the past ten years.

Modern architecture integrates environmental and sustainable design principles with advanced technologies to produce functional and beautiful buildings. Through complex design challenges, you'll explore what makes a good building and learn how cultural, historical and socio-economic factors influence design decisions. Unlike many universities, we teach architecture students alongside civil engineering students in our joint department. This gives you a unique opportunity to work with engineers to better understand how the spaces you imagine and design are built.

### Teaching

You'll learn from academics with expertise in architecture and the built environment, including innovative materials and sustainable design. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

### Facilities

Our 4 East South building houses purpose-built research and teaching space for our architecture students. You'll have 24/7 access to design studios that support your architectural work in drawing and modelling.

### Careers

Our course is fully prescribed and validated by the ARB and RIBA, giving you the educational basis and professional experience you need to complete the first step toward becoming a qualified architect. Like many of our students, you can continue this journey with us on our Master of Architecture and RIBA part 3 courses.

A degree at Bath can open up a variety of career opportunities to you. The high standard of creative and analytical skills, and training you graduate with will equip you to work in a range of industries. You could also choose to pursue a career in other design-related roles such as film-making or museum curation.



**“Both the opportunity to work with civil engineering students and the integrated placements attracted me to the course. These have both been enjoyable and have helped me prepare for a career in architecture.”**

Joseph Withers,  
BSc (Hons) Architecture

# Architecture

K100 BSc (Hons) Four years including placements

## The professional training you need to practise as an architect, combining studio-based design with technical knowledge of materials and construction techniques.

Our course gives you the practical and creative skills you need to explore, analyse and communicate architectural proposals. You'll combine project work in design studios with a grounding in the historic and cultural theory of architecture. Through integrating science, mathematics and art, you'll learn how to control, manipulate and compose internal spaces and external forms.

At Bath, we focus your studies around studio work from the start. This is where you'll work collaboratively to produce integrated design solutions. And, more importantly, where you'll develop the practical skills to realise your creative potential.

Project work challenges you to integrate the principles of structural, environmental and sustainable design into your work. Your knowledge of materials and the assembly of building elements will help inform how you approach design. Working with civil engineering students develops your understanding of the technical aspects of designing structures. This cross-discipline teamwork gives you an insight into the design problems and professional relationships you could experience in your career.

## Key areas of study

### Year 1

Design studio\* | Building environment | History and theory: vernacular architecture | Structures | Detailed design | History and theory of architecture: twentieth century western architecture & design | Practice, management and law | Computer aided design

### Year 2

Structural and detailed design | Environmental design | Digital illustration | History and theory of architecture: history of western architecture | Professional placement

### Penultimate year

History and theory: urban studies | History and theory of architecture: classicism and the foundation of modern design theory | Professional placement

### Final year

History and theory: issues in contemporary architecture | Practice, management and law

## Work placements

Our architecture course is distinct from those offered by most other universities in the UK. You'll do two six-month placements in the second semesters of year 2 and year 3, making it easier for you to develop and transfer your skills between study and placement. You'll be able to apply your university learning in a practical context and use your placement experience to feed into more mature designs later on your course. It also gives you the professional experience you need to meet the requirements for the RIBA Part 1 qualification.

You could go on placement in practices like FCB Studios, Kengo Kuma or Herzog & de Meuron.

## Entry requirements

Typical offer: **A\*AA**

### GCSE

6 or B in English (or equivalent from category A – see page 51).

### A level

A\*AA in three A levels.

We prefer applicants who have studied the combination of Mathematics or Physics and Art or Design. Your offer can include Mathematics or Further Mathematics but not both.

### International Baccalaureate

36 points and 7, 6, 6 in three Higher Level subjects.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: **go.bath.ac.uk/arch-20**

Admissions and Outreach:  
**admissions@bath.ac.uk**  
**+44 (0)1225 383019**

## Professional accreditations

This course is currently prescribed by the Architects Registration Board (ARB), subject to period review, for the purposes of entry on to the United Kingdom Register of Architects. This course is fully validated by the Royal Institute of British Architects (RIBA) for the purposes of RIBA membership.

\*Design studio work will be carried out during the course.

# Biosciences

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## Biosciences is the study of living things from ecosystems down to their molecular interactions. It is a subject that has a significant impact on our daily lives.

Modern biosciences integrates knowledge and understanding of life over a range of scales and perspectives. You'll develop skills to analyse and interpret experimental data, drawing logical conclusions and asking sensible questions about areas of uncertainty and future research. You will also learn to effectively communicate your observations and evaluations to others.

### Teaching

You'll learn from researchers who specialise in different areas of the biosciences, including cell and developmental biology, evolution and biodiversity, infection and immunity, and medical and industrial biotechnology. Their international collaborations and interdisciplinary research activities feed directly into undergraduate teaching and contribute to your learning experience.

World-leading research is also carried out in our new Milner Centre for Evolution, the UK's first ever centre for evolutionary biology research.

Practical classes take place in our well-equipped teaching laboratories. You will also have access to specialist technology in a dedicated computer laboratory for bioinformatics.

### Careers

You'll develop the knowledge and skills needed to work in a variety of fields, such as the pharmaceutical and biotechnology industries, education, environment, or roles in agricultural, medical and chemical laboratories. Many of our graduates also choose to go on to postgraduate study in preparation for academic or industry-based research careers.

Studying a biosciences degree requires you to apply a broad skill set to the understanding of complex processes. This skill set is also useful in a range of other careers, such as business, management and science teaching.

### Placements

Going on placement gives you the opportunity to apply your skills and knowledge to a year working professionally. You'll be employed full-time in a role to match your future career ambitions, broadening your experience and transferable skills. This could give you a competitive edge when applying for graduate jobs.

There are a wide range of placement opportunities available each year, from working in marketing for a pharmaceutical company to a lab-based role at a world-renowned research institute. We have links with some leading employers including Cancer Research UK, GlaxoSmithKline, Public Health England, Lonza, Genesys and LifeArc.

**90%** student satisfaction rate for biology and biochemistry in the National Student Survey 2018



**"I chose to go on placement because I wanted to have something that would set me apart when I graduate."**

Laurie Fabian, BSc Biology  
(on placement at the Frozen Ark)

# Biochemistry

C700 BSc (Hons) Three years  
C703 BSc (Hons) Four years including placement year

## Entry requirements

**Typical offer: AAB**

### GCSE

4 or C in Mathematics and 4 or C in English (or equivalent from category C – see page 51).

### A level

AAB including A in Biology and Chemistry.

### International Baccalaureate

36 points and 6, 6, 5 in three Higher Level subjects including 6 in Biology and Chemistry.

You may be considered if you are taking Standard Level Biology.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/bio-20](http://go.bath.ac.uk/bio-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
**+44 (0)1225 383019**

**Gain a fundamental understanding of life processes at a molecular level. You'll be prepared for a career examining the molecular basis of life.**

Biochemistry involves solving biological problems through an understanding of the molecular basis of life. You will develop your knowledge, techniques and understanding at a fundamental level, preparing you for a wide range of academic, industrial and medically related careers.

In the first year, you'll study a broad introduction to biosciences. This will give you a foundation from which you will have the option to specialise in specific areas, such as neuroscience, cellular molecular biology, genomics and biotechnology. You will also gain hands-on experience of practical scientific techniques in dedicated undergraduate laboratories, as well as access to specialist technology in research labs.

In the final year, you'll undertake a research project, giving you first-hand experience as a researcher and the opportunity to contribute to some of the world-leading research in the Department. Research areas include infection and immunity, industrial biotechnology, neuroscience and developmental biology.

You will graduate with a solid foundation for further study or graduate roles where a broader knowledge of molecular biosciences is needed. The academic and key skills you'll develop mean you will also be prepared for a wide range of alternative careers.

## Key areas of study

### Year 1

Biochemistry\* | Biological and general chemistry | Cell and molecular biology | Genetics | Protein purification and characterisation

### Year 2

Biochemical data analysis and bioinformatics | Molecular genetics and cancer biology | Cell biology | Practical molecular biology | Protein structure and enzymology

You will also study optional units in areas such as: Cellular and molecular neuroscience, Genomics, Infection and immunity, and Plant physiology.

### Final year

Final year project | Protein synthesis, folding and turnover

You will also study optional units in areas similar to year 2.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent placement employers include Cancer Research UK, GlaxoSmithKline and Public Health England.

*\*this key area will be studied at more than one point during the year.*

# Biology

C100 BSc (Hons) Three years  
C111 BSc (Hons) Four years including placement year

## Develop the knowledge and skills to play a vital role as a practical scientist and interpreter of modern bioscience.

Gain a broad range of skills and knowledge by learning about life on all scales, from the molecular to global ecosystems. You'll study different topics in modern biosciences, as well as having the option to focus on some specific areas.

In the first two years, you'll gain a foundation in the biosciences through a set of core units. You'll also gain hands-on experience of practical scientific techniques in dedicated undergraduate laboratories. In the final year, you'll undertake a research project, giving you first-hand experience as a researcher and the opportunity to contribute to some of the world-leading research in the Department.

Specialist teaching is influenced by the expertise of academics in the Department and include areas such as cell biology, biodiversity and ecology, evolutionary biology, genomics, plant science, microbiology and immunology. World-leading research is also carried out in our new Milner Centre for Evolution, the UK's first ever centre for evolutionary biology research.

You will graduate with a solid foundation for further study or graduate roles where a broader knowledge of biosciences is needed. The academic and key skills you develop will also prepare you for a wide range of other careers.

## Key areas of study

### Year 1

Biochemistry for biologists | Biodiversity\* | Cell and molecular biology | Ecology and evolution\* | Genetics | Practical research and academic skills for biologists

### Year 2

Data interpretation

You will also study optional units in areas such as: Cancer biology, Cell and molecular biology, Ecology and evolution, Field course, Genomics, Infection and immunity, Mathematical biology, Molecular and cellular neuroscience, Molecular genetics, and Plant biology.

### Final year

Final year project

You will also study optional units in areas similar to year 2.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent placement employers include AstraZeneca, Royal Botanic Gardens Kew and LifeArc.

## Entry requirements

Typical offer: AAB

### GCSE

4 or C in Mathematics and 4 or C in English (or equivalent from category C – see page 51).

### A level

AAB including A in Biology and a second science or mathematics subject.

### International Baccalaureate

36 points and 6, 6, 5 in three Higher Level subjects including 6 in Biology and a second science or mathematics subject.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/bio-20](http://go.bath.ac.uk/bio-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
**+44 (0)1225 383019**

\*these key areas will be studied at more than one point during the year.

# Biomedical Sciences

55TG BSc (Hons) Three years  
1JKI BSc (Hons) Four years including placement year

## Entry requirements

**Typical offer: AAA or A\*AB**

### GCSE

4 or C in Mathematics and 4 or C in English (or equivalent from category C – see page 51).

### A level

AAA or A\*AB including A in Biology and Chemistry.

### International Baccalaureate

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects including 6 in Biology and Chemistry.

You may be considered if you are taking Standard Level Biology.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/bio-20](http://go.bath.ac.uk/bio-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
+44 (0)1225 383019

**Gain an understanding of human health and the causes, prevention and treatment of disease. You'll be prepared for roles in biomedical research.**

This course is for you if you'd like to work in a field that tackles global health challenges such as curing cancer and Parkinson's disease. You'll be trained to be a research scientist of the future by exploring aspects of modern biosciences related to humans and medical research.

The curriculum covers a broad range of topics, including human genetics and genomics, physiology, cancer biology, pathology, anatomy, immunology, molecular and cellular biology, biochemistry and pharmacology. This course has been developed with the Department for Health at Bath to give you a greater exposure to subjects in human biology.

In the first two years, you will study a set of core units from the Departments of Biology & Biochemistry, Pharmacy & Pharmacology and Health. This will give you a broad practical knowledge base of biomedical sciences and is enhanced in the second year with optional units.

In the final year, you will have the opportunity to carry out a research project within either the Department of Biology & Biochemistry or Health. You'll also be able to choose from a broad range of final year units.

This course has a research career focus and is not intended for subsequent registration by the Health and Care Professions Council. Instead, you will develop fundamental scientific and experimental skills, preparing you for work as a practical scientist in biomedical research.

## Key areas of study

### Year 1

Biochemistry\* | Cell and molecular biology | Functional anatomy | Human molecular genetics | Human physiology | Practical research and academic skills

### Year 2

Cell biology | Immunology | Medical microbiology | Molecular genetics and cancer biology | Molecular medicine | Pathology

You will also study optional units in areas such as: Biochemistry, Cellular and molecular neuroscience, Genomics, Human physiology, and Pharmacology.

### Final year

Final year project

You will also study optional units in areas similar to year 2.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent placement employers include Cancer Research UK, GlaxoSmithKline and Pfizer Inc.

*\*this key area will be studied at more than one point during the year.*

# Business and management

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## Our business and management courses explore how organisations operate. They cover core disciplines such as marketing, operations management and leadership.

**1st** for Marketing in the Complete University Guide 2019

**Joint 3rd** for Business Studies in The Times and The Sunday Times University Guide 2019

**4th** for Business, Management and Marketing in the Guardian University Guide 2019

Combining theory, practice and placements, our courses will give you an excellent working knowledge of business. Flexible course structures allow you to explore features relevant to your chosen career path.

You'll develop a broad set of skills and an understanding of the international business environment. You'll graduate with the skills and knowledge to help launch your career.

### Teaching

You'll learn from academics with expertise in business and management. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

### Careers

Our graduates have an excellent record of success. A high proportion of our students are in a professional or managerial job within six months of graduating (Unistats):

- 95% of employed Business Administration students
- 90% of employed International Management with Modern Language (French, Spanish) students
- 85% of employed International Management with Modern Language (German) students

Our other management courses launched in 2014 and we don't have career data for those yet.

Employers include:

- Accenture
- BMW
- Danone
- GlaxoSmithKline
- Google
- Vodafone



**“Working at Microsoft has improved my confidence and I feel much more prepared for the working world.”**

Sam Brill, BSc (Hons) Management with Marketing

# Business Administration

N100 BSc (Hons) Four years including placements

This practical course will prepare you for a range of business and management roles. You'll develop your business skills with two professional placements.

This flexible business and management degree is different from many others. You will complete two six-month placements with separate companies rather than 12 months with one. Experience of two roles will help you decide on your future career direction.

You'll also interact with businesses through practical research including the Final Year Project. You will enjoy teaching informed by the latest research and our industry links.

Year 1 covers the core subjects relevant for business and management. These principles will provide context for the rest of your course.

From Year 2 onwards you can customise your degree with optional units. These let you explore other areas of interest from a wide range of topics.

In your final year you can apply for our International Academic Exchange programme. You'll gain international exposure by spending a semester studying abroad at one of our partner business schools.

## Key areas of study

### Year 1

Business law | Business and society | Business economics | Business data analysis | People and organisations | Accounting for managers | Quantitative methods | Corporate finance and investment appraisal

### Year 2

This year consists of a six-month placement, a research project and optional units.

### Year 3

This year consists of a six-month placement, a social entrepreneurship action project and optional units.

### Year 4

This year consists of a final year project and optional units.

You'll be able to choose from over 50 optional units in Years 2, 3 and 4, including Entrepreneurship and innovation, Virtual organising: understanding group behaviour online, Corporate responsibility: principles and perspectives, Economics of strategy: the firm, Decision making and leadership and Business and the natural environment.

## Work placements

This course includes two six-month placements in Years 2 and 3.

Recent employers include BMW, Ferrero and BNY Mellon.

## Entry requirements

Typical offer: AAA or A\*AB

### GCSE

6 or B in Mathematics and 6 or B in English (or equivalent from category A – see page 51).

### A level

AAA or A\*AB in three A levels.

We prefer applicants who have studied both essay-based and numerical or analytical subjects at A level.

### International Baccalaureate

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/mgt-20](https://go.bath.ac.uk/mgt-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

# International Management

NN12 BSc (Hons) Four years including year abroad

## Entry requirements

Typical offer: AAA or A\*AB

### GCSE

6 or B in Mathematics and 6 or B in English (or equivalent from category A – see page 51).

### A level

AAA or A\*AB in three A levels.

We prefer applicants who have studied both essay-based and numerical or analytical subjects at A level.

### International Baccalaureate

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/mgt-20](http://go.bath.ac.uk/mgt-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

Learn the key business functions and understand how they operate in a global context. Spend 12 months abroad and gain practical international experience.

Year 1 covers core subjects such as marketing, finance and operations. These principles will provide context for the rest of your course. During this first year, you'll study with Management and Management with Marketing students.

In Year 2 you'll develop your understanding of global business. You will study advanced subjects such as international market development and finance. Optional units are available from Year 2 onwards.

In Year 3 you will go abroad for up to 12 months. You'll have the flexibility to choose a work placement, International Academic Exchange or a combination of both. We run exchanges with business schools in Asia, Europe, Australia and North and South America.

In your final year you will learn about strategy and how to analyse business objectives and policies.

## Key areas of study

### Year 1

Business analytics | Business context | Accounting for managers | Business economics | Organisational behaviour | International business environment | Managing people | Finance | Operations management | Marketing

### Year 2

Business and strategy in emerging markets | Managing finance in a multinational company | Managing the multinational enterprise | Accounting and decision making for managers | Managing across cultures and contexts | Entrepreneurship and innovation | International market development and trade

### Year 3 - year abroad

### Year 4

Strategy | Entrepreneurship and innovation in the international context | International strategy in practice | Contemporary international business issues

You'll be able to choose from over 30 optional units in Years 2 and 4, including Investment banking, E-business, Doing business in China: opportunities and challenges, Decision making, International marketing management and Management consulting: data driven approaches.

## Year abroad

In Year 3 you will spend up to 12 months abroad on a work placement, as part of an International Academic Exchange or a combination of both. Subject to approval, students can spend part of their year in the UK working in an international context.

Recent employers include Deloitte, Nike and Zoku.

# International Management and Modern Languages

NR21 BSc (Hons) French - four years including year abroad  
 NR22 BSc (Hons) German - four years including year abroad  
 NR24 BSc (Hons) Spanish - four years including year abroad

Learn to function effectively in an international business environment. Fulfil the current demand for business leaders with management and language skills.

This distinctive degree combines business and management with language skills. It is delivered by the School of Management and the Department of Politics, Languages and International Studies. You'll benefit from the expertise of two leading departments.

The first two years cover core management subjects while developing your language. We deliver several units in your chosen language and you'll learn about the country's business environment. This prepares you for your year abroad.

In Year 3 you will spend up to 12 months in a French, German or Spanish speaking country. You'll have the flexibility to choose a work placement, International Academic Exchange or a combination of both. You will immerse yourself in social, political and cultural life during your year abroad, preparing you for a career in an international environment.

In your final year you'll choose from a range of management units and continue to build your expertise in your chosen language.

## Key areas of study

### Year 1

French/German/Spanish written and spoken language | French/German/Spanish business environment: economic, legal and industrial environment | Business economics | Quantitative methods and data analysis | National business environment of the UK - legal aspects | The UK macroeconomic environment | Accounting for managers

### Year 2

The political and social background of France/Germany/Spain | French/German/Spanish written and oral communication in the business context | People and organisations | Marketing | European business environment: European integration and legal structure | French/German/Spanish comparative employee relations

### Year 3 - year abroad

### Year 4

French/German/Spanish written and spoken language in the international business context | The internationalisation of business | France/Germany/Spain in the global economy

You'll be able to choose from over 30 optional units in Years 2 and 4.

## Year abroad

In Year 3 you will spend up to 12 months abroad in a French, German or Spanish speaking country. You will be able to choose to take a work placement, International Academic Exchange or a combination of both.

Recent employers include BNP Paribas, Edelman and Warner Brothers.

## Entry requirements

Typical offer: AAB or ABB

### GCSE

6 or B in Mathematics and 6 or B in English (or equivalent from category A – see page 51).

### French

#### A level

AAB including A in French.

### International Baccalaureate

36 points and 6, 6, 5 in three Higher Level subjects including 6 in French.

### German

#### A level

AAB including A in German.

### International Baccalaureate

35 points and 6, 6, 5 in three Higher Level subjects including 6 in German.

### Spanish

#### A level

AAB including A in Spanish.

### International Baccalaureate

36 points and 6, 6, 5 in three Higher Level subjects including 6 in Spanish.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/mgt-20](http://go.bath.ac.uk/mgt-20)

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 +44 (0)1225 383019

# Management

N200 BSc (Hons) Three years  
N201 BSc (Hons) Four years including placement year

## Entry requirements

Typical offer: AAA or A\*AB

### GCSE

6 or B in Mathematics and 6 or B in English (or equivalent from category A – see page 51).

### A level

AAA or A\*AB in three A levels.

We prefer applicants who have studied both essay-based and numerical or analytical subjects at A level.

### International Baccalaureate

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/mgt-20](http://go.bath.ac.uk/mgt-20)

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[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
+44 (0)1225 383019

Develop advanced knowledge and skills in a range of business functions. Gain the practical experience you need for a variety of management careers.

Year 1 covers the core subjects relevant for business such as marketing, accounting, finance and operations. These principles will provide context for the rest of your course. During this first year, you'll study with International Management and Management with Marketing students.

In Year 2 you'll build on this foundation, developing your knowledge of these subjects. You will be able to customise your studies with optional units. These let you explore other areas of interest such as digital marketing and management consulting.

In your final year you will study strategy and take part in the entrepreneurship project (optional on the four year course). You'll apply what you've learned to developing a business plan and putting it into action. Optional units allow you to customise your studies.

## Key areas of study

### Year 1

Business analytics | Business context | Accounting for managers | Business economics | Organisational behaviour | The international business environment | Managing people | Finance | Operations management | Marketing

### Year 2

UK business law | Managing the multinational enterprise | Entrepreneurship and innovation | Consumer psychology | Managing finance in a multinational company

### Final year

Strategy | International strategy in practice | Entrepreneurship project (optional on the four year course)

You'll be able to choose from over 30 optional units in Year 2 and the final year, including Investment banking, E-business, Doing business in China: opportunities and challenges, Decision making, International marketing management and Management consulting: data driven approaches.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree.

Recent employers include eBay, Unilever and Accenture.

# Management with Marketing

NN25 BSc (Hons) Four years including placement year

Gain a solid grounding in the major areas of business practice. You'll also develop specialist knowledge and skills for a career as a marketing professional.

Year 1 covers core subjects such as marketing, finance and operations. These principles will provide context for the rest of your course. During this first year, you'll study with Management and International Management students.

In Year 2 you'll develop the depth of your marketing knowledge. You will be able to customise your studies with optional units. These let you explore other areas of interest such as business law and emerging markets.

In Year 3 you'll apply your skills and knowledge on a placement year. This will be a marketing role and is usually paid. You'll gain a competitive advantage in the job market with this valuable experience.

In your final year you will grow your marketing expertise with specialist units as well as options. You'll develop a product from a brief, prototype it, and plan a launch. These skills will help you to excel in a professional marketing role.

## Key areas of study

### Year 1

Business analytics | Business context | Accounting for managers | Business economics | Organisational behaviour | The international business environment | Managing people | Finance | Operations management | Marketing

### Year 2

Strategic marketing communications | Brand management | Consumer psychology | Business analytics | Project management | Managing the multinational enterprise | Entrepreneurship and innovation

### Year 3 - placement year

### Year 4

Advertising management | Marketing and society | Developing new products and services – theory and practice | International marketing management | Business and marketing in a digital world

You'll be able to choose from over 30 optional units in Years 2 and 4, including Investment banking, E-business, Doing business in China: opportunities and challenges, Decision making, International marketing management and Management consulting: data driven approaches.

## Work placements

This course includes a placement year which takes place in Year 3. Recent employers include Unilever, L'Oréal and HelloFresh.

## Entry requirements

Typical offer: AAA or A\*AB

### GCSE

6 or B in Mathematics and 6 or B in English (or equivalent from category A – see page 51).

### A level

AAA or A\*AB in three A levels.

We prefer applicants who have studied both essay-based and numerical or analytical subjects at A level.

### International Baccalaureate

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/mgt-20](http://go.bath.ac.uk/mgt-20)

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# Chemical engineering

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# Chemical engineering benefits society and the environment by combining science and mathematics to develop new and sustainable technologies, processes and products.

Chemical engineers change the world by transforming ideas into products and services, in an ethical, safe, responsible and efficient way.

With a chemical engineering degree, you could make an impact by tackling important societal challenges and improving quality of life. You could have a role in recovering valuable materials and energy from waste, developing and delivering food, or improving healthcare and chemical products.

We've designed our courses to give you the specialist knowledge and transferable skills to pursue a challenging career in chemical engineering. When you graduate, you'll be able to adapt to a variety of roles in an evolving world and discipline.

## Teaching

Our Department's great staff and student community provides a friendly and supportive environment to learn in. We deliver teaching complemented by guest lectures from practitioners to give you a professional perspective on the subject. You'll learn from expert academic staff whose industrial collaborations, research and entrepreneurial activities feed into teaching and contribute to your learning experience.

## Careers

By becoming a chemical engineer, you'll be able to make a valuable difference to the world around you. You could be part of building a better future through delivering clean water, designing greener products, or researching new ways to generate energy. You'll also be joining one of the highest-paid professions in the UK.

With a chemical engineering degree from Bath, you can be confident that you'll graduate with the specific engineering knowledge and transferable skills to help start your career. You could take on technical and managerial roles across industry and commercial sectors. For example, you could follow a career in alternative fuels, healthcare industries, water treatment, production of consumables such as foodstuffs and toiletries in the fast moving consumer goods industries, and oil and gas.

## Placements

All our Chemical Engineering degrees include an optional placement year. A placement gives you the chance to gain experience and develop skills in a commercial or industrial environment, and can count towards becoming chartered. The professional knowledge you gain can benefit the rest of your degree and improve your career prospects. It is also an opportunity to earn a salary during your degree.

**4th** for Chemical Engineering in The Times and Sunday Times University Guide 2019

**2nd** for overall satisfaction for Chemical Engineering in the National Student Survey (NSS) 2018



**“My placement has helped me be more focused on getting a job after university. I know more about what I want to achieve in my career, I have expanded my network and I am more motivated.”**

Berenice Dalrymple,  
MEng (Hons) Chemical Engineering with placement year

# Chemical Engineering

- H813 BEng (Hons) Three years  
 H814 BEng (Hons) Four years including placement year  
 H803 MEng (Hons) Four years  
 H804 MEng (Hons) Five years including placement year

## Entry requirements

Typical offer: A\*AA

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*AA including Chemistry and Mathematics.

### International Baccalaureate

36 points and 7, 6, 6 in three Higher Level subjects including Chemistry and Mathematics.

You may be considered if you are taking Standard Level Chemistry.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/chem-eng-20](http://go.bath.ac.uk/chem-eng-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

## Professional Accreditations

The BEng course is accredited by the Institution of Chemical Engineers (IChemE) for the purpose of partially meeting the educational requirements for a Chartered Engineer.

The MEng course is also accredited by the Institution of Chemical Engineers (IChemE) for the purpose of fully meeting the educational requirements for a Chartered Engineer.

## Gain the technical and professional skills to pursue a wide range of careers as a chemical engineer.

Our course gives you a thorough grounding in the practices of chemical engineering. It develops your professional skills in engineering, mathematics, science, information technology, research, design, communication and management.

Throughout the course, you'll reinforce lecture material with practical lab sessions, learning how to gather and assess data to develop industrial strategies. You'll explore new technologies and gain a comprehensive understanding of process design. Your studies will give you the confidence to critically apply scientific and engineering knowledge.

You'll also develop transferable skills such as problem solving, teamwork and resource management. Integrating these with your technical knowledge, you'll learn how to tackle complex, and often open-ended, engineering problems. Individual and group projects are a key feature of your studies and a chance for you to develop scientific ideas from the bench scale to process scale.

You'll apply your engineering knowledge to a full chemical process such as designing an anaerobic digester, a water treatment facility for a refugee camp, or a low-carbon ammonia synthesis plant.

## Key areas of study

Biochemical engineering | Chemical engineering | Bioprocess engineering fundamentals | Chemical engineering principles | Chemical engineering skills and practice | Engineering thermodynamics | Environmental management | Mathematics | Process of dynamics and control | Process management and economics | Reaction engineering | Safety and ethics | Science for chemical engineering | Separation processes | Transport phenomena | Plus optional topics

## Master's option

Choosing the MEng route gives you an in-depth study experience through advanced taught units and project work. You can explore topics in more detail through a semester-long research project that can be completed at Bath, a university abroad or in industry. Our MEng degrees also fulfil the educational requirements you need to become a Chartered Engineer.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include BP, Wessex Water and Unilever.

# Chemical Engineering with Environmental Engineering

H820 MEng (Hons) Four years

H821 MEng (Hons) Five years including a placement year

Learn the core knowledge and technical skills of chemical engineering and focus on the environmental challenges of new technologies, processes and products.

The first three years of our course develop your understanding of the founding practices of chemical engineering. Through problem-based learning, you'll gain the knowledge to critically apply mathematical, scientific and engineering knowledge to projects. A mix of practical work in laboratories and theory in lectures and seminars gives you the breadth of learning needed to become adept in the subject.

You'll also develop transferable skills such as problem solving, teamwork and resource management. Integrating these with your technical knowledge, you'll learn how to tackle complex, and often open-ended, engineering problems. Individual and group projects are a chance for you to develop scientific ideas from bench scale to process scale.

In your final year, you'll have the opportunity to build on your chemical engineering knowledge by specialising in environmental engineering. Choosing this route allows you to explore aspects that address social, environmental and health issues, as well as sustainability.

Focusing on environmental science and engineering, you'll study the economic, legislative and ethical issues that control environmental protection and sustainability. Areas you'll cover will include clean technologies such as water treatment and waste management.

## Key areas of study

Advanced biochemical engineering | Advanced chemical engineering | Advanced core environmental engineering | Environmental technology and sustainability | Bioprocess engineering fundamentals | Chemical engineering principles | Chemical engineering skills and practice | Engineering thermodynamics | Environmental management | Mathematics | Design project | Research project | Particle technology and solids handling | Process dynamics and control | Process management and economics | Reaction engineering | Safety and ethics | Science for chemical engineering | Separations processes | Transport phenomena | Plus optional topics

## Studying a master's

An MEng gives you an in-depth study experience through advanced taught units and project work. You can explore topics in more depth through a semester-long research project that can be completed at Bath, a university abroad or in industry.

## Work placements

We also offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers of our Chemical Engineering placements students include Mondelez, Biobean and Exxon Mobil.

## Entry requirements

Typical offer: A\*AA

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*AA including Chemistry and Mathematics.

### International Baccalaureate

36 points and 7, 6, 6 in three Higher Level subjects including Chemistry and Mathematics.

You may be considered if you are taking Standard Level Chemistry.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/chem-eng-20](http://go.bath.ac.uk/chem-eng-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
+44 (0)1225 383019

# Chemistry

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## Chemists study the synthesis, properties and structure of matter. You'll learn how to make the materials we use in our daily lives.

Explore a range of topics and move seamlessly between areas such as nanotechnology, drug development, forensics and new materials. You'll develop practical and interdisciplinary skills useful in a wide variety of careers. You can play your part in helping to understand and maybe even solve some of the critical issues of the 21st century.

### Teaching

You'll learn from academics with expertise in all branches of chemistry, including organic, inorganic, physical and computational chemistry. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

### Facilities

You'll learn core experimental skills in our well-equipped undergraduate teaching laboratories. You can also access our Material and Chemical Characterisation facility (MC<sup>2</sup>) to familiarise yourself with spectroscopy and other techniques.

You'll receive a free lab coat and safety glasses to use throughout your course when you start.

### Careers

A wealth of career opportunities are open to you as a chemistry graduate. You'll develop the skills and knowledge to work in technical areas or scientific research and development in materials, pharmaceuticals, energy and the environment.

You'll also be well suited to broader roles in education, scientific publishing, administration, banking and finance. Many of our graduates choose to go on to postgraduate study in preparation for academic or industry-based research careers.

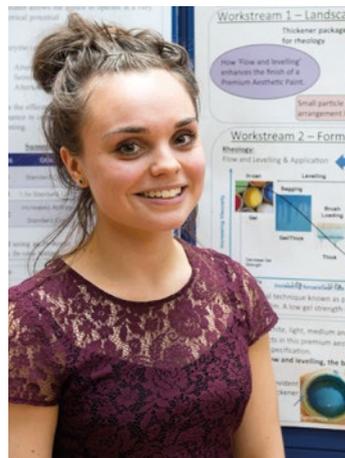
### Placements

Going on placement gives you the opportunity to apply your skills and knowledge to a year working in industry. You'll be employed full-time in a role to match your future career ambitions, broadening your experience and transferable skills. This could give you a competitive edge when applying for graduate jobs.

We have links with some of the industry's leading companies. Recent employers include GlaxoSmithKline, Syngenta, AkzoNobel and Pfizer.

**93%** student satisfaction rate for chemistry in the National Student Survey 2018

**98%** of research rated world-leading or internationally excellent in the most recent Research Excellence Framework (2014)



**“When I applied to university I did not choose the placement option, but at the start of my second year I changed my mind. I decided to do a placement because I wanted the opportunity to become more independent and proactive for future years in my degree.”**

Lois Wayment, MChem Chemistry  
(on placement at AkzoNobel)

# Chemistry

- F100 BSc (Hons) Three years  
 F101 BSc (Hons) Four years including placement year  
 F107 BSc (Hons) Four years including study abroad  
 F103 MChem (Hons) Four years  
 F104 MChem (Hons) Four years including placement year  
 F105 MChem (Hons) Four years including study abroad

## Entry requirements

**Typical offer: AAA or AAB**

### GCSE

6 or B in Mathematics and 4 or C in English (or equivalent from category C – see page 51).

Our typical offer varies depending on how much science and mathematics you study in A levels or Higher Level subjects.

### A level

AAB including A in Chemistry plus two subjects from Biology, Further Mathematics, Mathematics and Physics.

AAA including Chemistry plus one subject from Biology, Further Mathematics, Mathematics or Physics.

### International Baccalaureate

36 points and 6, 6, 5 in three Higher Level subjects including 6 in Chemistry plus two subjects from Biology, Mathematics, Physics and Sport and Exercise Science.

36 points and 6, 6, 6 in three Higher Level subjects including 6 in Chemistry plus one subject from Biology, Mathematics, Physics and Sport and Exercise Science.

You may be considered if you are only taking Higher Level Chemistry with Standard Level Biology, Mathematics or Physics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/chem-20](http://go.bath.ac.uk/chem-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

## Professional accreditations

This course is accredited by The Royal Society of Chemistry.

**Develop practical and theoretical skills across all areas of chemistry, leading to a broad range of chemical and non-chemical careers.**

As a chemist, you can move seamlessly between areas such as forensics, drug development and nanotechnology. In the first two years, you'll get a broad introduction to all areas of chemistry while developing the practical and theoretical skills modern chemists need. This includes understanding the theories of chemical behaviour and how they are applied. You will also develop skills in experimental chemistry and in designing experiments to test hypotheses.

You can specialise in a particular field through optional units and a final year project. There will also be opportunities for you to put your chemistry knowledge into practice in research laboratories and other professional environments outside the University, such as public engagement events and work in schools.

## Key areas of study

### Year 1

Atomic structure, bonding and the Periodic Table | Organic chemistry | Molecules to materials | Practical chemistry\*

### Year 2

Inorganic synthesis, structure and reactivity | Organic synthesis, reaction mechanisms and spectroscopy | Physical chemistry\* | Inorganic chemistry | Organic chemistry | Analytical chemistry | Computational chemistry\* | Symmetry and group theory

### Final year

Advanced practical chemistry | Inorganic chemistry | Organic chemistry | Physical chemistry | Final year project

### Additional areas of study on the MChem course

Chemical literature | Analytical chemistry in context | Advanced structural and theoretical methods | Advanced chemistry research

This course also includes optional units, except in year 2.

## Master's option

For a more in-depth study experience with advanced taught units and project work, you could apply for our MChem Chemistry course.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree.

## Study abroad

You can opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath.

\*these key areas will be studied at more than one point during the year.

# Chemistry for Drug Discovery

- F151 BSc (Hons) Three years  
 F152 BSc (Hons) Four years including placement year  
 F153 BSc (Hons) Four years including study year abroad  
 F154 MChem (Hons) Four years  
 F155 MChem (Hons) Four years including placement year  
 F156 MChem (Hons) Four years including study year abroad

## Combine your passion for chemistry with a desire to make a real contribution to the world of pharmaceuticals.

You'll gain a solid foundation in chemistry which you will use to understand how drugs and medicines are designed and made, how they work and why they are successful. You'll develop in-depth knowledge of the pharmaceutical industry as well as the skills to carry out experimental and computational drug discovery projects. The range of topics covered will give you the option of a career in the pharmaceutical industry or careers in research, academia and industry.

You can specialise in a particular field through optional units and a final year project. There will also be opportunities for you to put your chemistry knowledge into practice in research laboratories and other professional environments outside the University, such as public engagement events and work in schools.

## Key areas of study

### Year 1

Atomic structure, bonding and the Periodic Table | Organic chemistry | Molecules to materials | Chemistry of the cell | Practical chemistry\* | The chemistry of physiology and drug properties

### Year 2

Inorganic synthesis, structure and reactivity | Organic synthesis, reaction mechanisms and spectroscopy | Physical chemistry\* | Inorganic chemistry | Organic chemistry | Analytical chemistry | Major therapeutic areas | Computational chemistry\*

### Final year

Techniques in drug discovery | Inorganic chemistry | Organic chemistry | Physical chemistry | Blockbuster drugs | Synthesis of medicinal compounds | Biosynthesis and biotransformations | Future of drug discovery | Organic and inorganic aspects of homogeneous catalysis | Final year project

### Additional areas of study on the MChem course

Chemical literature | Advanced chemistry research | Advanced structural methods | Future of drug discovery

This course also includes optional units from year 3.

## Master's option

For a more in-depth study experience with advanced taught units and project work, you could apply for our MChem Chemistry for Drug Discovery course.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree.

## Study abroad

You can opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath.

\*these key areas will be studied at more than one point during the year.

## Entry requirements

Typical offer: AAA or AAB

### GCSE

6 or B in Mathematics and 4 or C in English (or equivalent from category C – see page 51).

Our typical offer varies depending on how much science and mathematics you study in your A levels or Higher Level subjects.

### A level

AAB including A in Chemistry plus two subjects from Biology, Further Mathematics, Mathematics and Physics.

AAA including Chemistry plus one subject from Biology, Further Mathematics, Mathematics or Physics.

### International Baccalaureate

36 points and 6, 6, 5 in three Higher Level subjects including 6 in Chemistry plus two subjects from Biology, Mathematics, Physics and Sport and Exercise Science.

36 points and 6, 6, 6 in three Higher Level subjects including 6 in Chemistry plus one subject from Biology, Mathematics, Physics and Sport and Exercise Science.

You may be considered if you are only taking Higher Level Chemistry with Standard Level Biology, Mathematics or Physics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/chem-20](http://go.bath.ac.uk/chem-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

## Professional accreditations

This course is accredited by The Royal Society of Chemistry.

# Chemistry with Management

- F145 BSc (Hons) Three years  
 F146 BSc (Hons) Four years including placement year  
 F1N2 BSc (Hons) Four years including study year abroad  
 F1NF MSci (Hons) Four years  
 F1NG MSci (Hons) Five years including placement year

## Entry requirements

**Typical offer: AAA or AAB**

### GCSE

6 or B in Mathematics and 4 or C in English (or equivalent from category C – see page 51).

Our typical offer varies depending on how much science and mathematics you study in your A levels or Higher Level subjects.

### A level

AAB including A in Chemistry plus two subjects from Biology, Further Mathematics, Mathematics and Physics.

AAA including Chemistry plus one subject from Biology, Further Mathematics, Mathematics or Physics.

### International Baccalaureate

36 points and 6, 6, 5 in three Higher Level subjects including 6 in Chemistry plus two subjects from Biology, Mathematics, Physics and Sport and Exercise Science.

36 points and 6, 6, 6 in three Higher Level subjects including 6 in Chemistry plus one subject from Biology, Mathematics, Physics and Sport and Exercise Science.

You may be considered if you are only taking Higher Level Chemistry with Standard Level Biology, Mathematics or Physics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/chem-20](http://go.bath.ac.uk/chem-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

## Professional accreditations

This course is accredited by The Royal Society of Chemistry.

**Gain a broad education in chemistry and the business environment in which it is used. You'll be prepared for a career in scientific or management areas.**

As well as gaining a broad education in chemistry, you will study management topics taught by the School of Management. You'll develop an understanding of the social, legal and economic implications of the decisions that managers in chemical and related industries are required to make. During the course, you'll gain an understanding of the theories of chemical behaviour and how they are applied. You will also develop skills in experimental chemistry and in designing experiments to test hypotheses.

You can specialise in a particular field through optional chemistry and management units and a final year project. There will also be opportunities for you to put your chemistry knowledge into practice in research laboratories and other professional environments outside the University, such as public engagement events and work in schools.

## Key areas of study

### Year 1

Atomic structure, bonding and the Periodic Table | Organic chemistry | Molecules to materials | Business economics | Practical chemistry\* | Accounting

### Year 2

Inorganic synthesis, structure and reactivity | Organic synthesis, reaction mechanisms and spectroscopy | Physical chemistry

### Final year

Advanced practical chemistry | Final year project

### Additional units on the MSci course

Advanced chemistry research | Operations management | Business analytics | Strategies for sustainability | Managing human resources

This course also includes optional units from year 2.

## Master's option

For a more in-depth study experience with advanced taught units and project work, you could apply for our MSci Chemistry with Management course.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree.

## Study abroad

You can opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath.

*\*this key area will be studied at more than one point during the year.*

# Civil engineering



## Civil engineers design, make and maintain built environments, and help sustain natural landscapes. Their creativity improves our infrastructure to benefit society.

**Top 5** for Civil  
Engineering in the Complete  
University Guide 2019

**Top 5** for Civil  
Engineering in The Times  
and Sunday Times University  
Guide 2019



**“While on placement, I have worked on anything from large multi-million pound contracts to much smaller, local projects. I have interacted with people, from graduates right through to the managing director.”**

Storm Hayward,  
BEng (Hons) Civil Engineering  
with placement year

Civil engineers make the world we live in. Every road, bridge, building, harbour, airport or energy facility depends upon the creativity, imagination and skill of civil engineers. As a civil engineer, you'll have the honour of supporting people everywhere in living happy, healthy and productive lives. In the twenty-first century, we must do this in a way that is sustainable. Society needs engineers who can imagine new ways of doing things.

At Bath, you'll develop the knowledge, understanding, and broad skills needed to create the best projects in the world. As well as using maths and engineering science, you'll work in teams with architecture students tutored by professional architects and engineers. You'll learn the collaborative skills that are essential for the success of every civil engineering project. When you graduate, you'll be able to see how what we do fits into the bigger picture, and makes the world a better place.

### Teaching

You'll learn from leading academics with expertise in civil and architectural engineering. Their national and international collaborations in industry and research feed into undergraduate teaching and contribute to your learning experience. Our strong industry links allow us to welcome visiting practice-based tutors who bring their wealth of design experience to support our studio design projects and enrich our teaching.

### Careers

As a Bath civil engineering graduate, you'll possess a high level of creative ability and excellent communication and people skills. Most of our graduates pursue their ambitions to make the world a better place by working as engineering designers in the construction industry. Others work as site engineers or construction and project managers where their creativity, problem-solving and people skills are highly valued. Some of our graduates continue their studies with us or at other universities, pursuing careers in academia or research.

### Placements

All our civil engineering courses include an optional placement year. Going on placement gives you the chance to apply the skills you've developed at university to the workplace, and gain complementary skills and knowledge. You'll gain insight into the construction industry and develop your confidence and standing as an engineer. Having professional experience can benefit the rest of your degree and improve your career prospects.

# Civil and Architectural Engineering

H202 MEng (Hons) Four years  
H203 MEng (Hons) Five years including placement year

**Integrate architectural and engineering design to develop sustainable solutions to benefit society. Graduate as a creative designer of our built environment.**

Do you want to lead the design of buildings that inspire awe, have a minimal environmental impact and work well for the people who use them? At Bath, we nurture imaginative engineers who care about the future of our built environment and want to contribute to a better society.

We'll teach you the art and science of the subject by immersing you in the practices of architectural and engineering design. You'll take on difficult and realistic projects such as exploring ways to lessen the energy needed to make buildings comfortable for users.

In your first two years, you'll learn fundamental skills in creative engineering design, analysis and communication. You'll develop a detailed understanding of mechanics, materials, environmental, geotechnical and structural engineering theory and practice. In your final years, you'll learn to integrate structural and environmental engineering with architectural design to satisfy a range of needs including delight, stability, energy footprint and buildability.

## Key areas of study

### Year 1

Structures\* | Building environment\* | Geology | History and theory: vernacular architecture | Design studio | Computer applications | Mathematics\* | Surveying | Materials science

### Year 2

Soil mechanics | Civil engineering hydraulics | Civil engineering management | Surveying and geology field course | Transportation infrastructure engineering | Foundation design | Structural design and construction

### Penultimate year

Dissertation | Structural engineering | Building environmental engineering | Joint design project (with architecture students) | Plus optional units

### Final year

Group design project: civil and architecture | Building environmental design project | Programming for design | Plus optional units

## Studying a Master's

Studying an MEng gives you an in-depth study experience through advanced taught units and project work. It also fulfils the educational requirements you need to become a Chartered Engineer.

## Work placements

We also offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Arup, Atkins and Laing O'Rourke.

## Entry requirements

Typical offer: A\*AA

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*AA including Mathematics.

### International Baccalaureate

36 points and 7, 6, 6 in three Higher Level subjects including Mathematics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/civ-eng-20](http://go.bath.ac.uk/civ-eng-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
**+44 (0)1225 383019**

## Professional accreditations

Accredited by the Joint Board of Moderators on behalf of ICE, IStructE, CIHT, and IHE as fully satisfying the academic base for a Chartered Engineer and an Incorporated Engineer, under the provisions of UK-SPEC.

\*these key areas will be studied throughout the course.

# Civil Engineering

- H204 BEng (Hons) Three years  
 H201 BEng (Hons) Four years including placement year  
     H200 MEng (Hons) Four years  
 H205 MEng (Hons) Five years including placement year

## Entry requirements

Typical offer: A\*AA

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*AA including Mathematics.

### International Baccalaureate

36 points and 7, 6, 6 in three Higher Level subjects including Mathematics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/civ-eng-20](http://go.bath.ac.uk/civ-eng-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

## Professional accreditations

**BEng:** Accredited by the Joint Board of Moderators on behalf of ICE, IStructE, CIHT and IHE as partly satisfying the academic base for a Chartered Engineer and fully satisfying the academic base for an Incorporated Engineer, under the provisions of UK-SPEC.

**MEng:** Accredited by the Joint Board of Moderators on behalf of ICE, IStructE, CIHT and IHE as fully satisfying the academic base for a Chartered Engineer and fully satisfying the academic base for an Incorporated Engineer, under the provisions of UK-SPEC.

**Develop creative and practical skills to lead the design of our infrastructure. Use imagination and knowledge to be part of engineering a sustainable future.**

Our course is for inquisitive engineers who want to push the boundaries of design and construction. You'll want to use your new ideas to shape the built environment in which we live. You'll be able to ask the right questions to come up with better solutions to real engineering problems. And you'll want to use your breadth of skills to achieve great things in civil engineering and for society.

In your first two years, you'll learn fundamental skills in creative engineering design, analysis and communication. You'll gain a detailed understanding of mechanics, materials, environmental, geotechnical and structural engineering theory and practice. In your final years, you'll explore ways to develop a sustainable future for our infrastructure and built environment.

Drawing on the strengths of our joint department, you'll work with architecture students to embed the professional and interdisciplinary team relationships that will form the basis of your career. This helps you to develop the imaginative approaches and people skills that are important in every civil engineering project.

## Key areas of study

### Year 1

Structures\* | Building environment\* | Geology | History and theory: vernacular architecture | Design studio | Computer applications | Mathematics | Surveying | Materials science

### Year 2

Soil mechanics | Civil engineering hydraulics | Civil engineering management | Surveying and geology field course | Transportation infrastructure engineering | Foundation design | Structural design and construction

### MEng penultimate year/ BEng final year

Dissertation | Structural engineering | Joint design project (with architecture students) | Coastal and water engineering (MEng) | Plus optional units

### MEng final year

Group design project | Civil infrastructure design project | Advanced geotechnical engineering | Plus optional units

## Master's option

You can take a BEng or MEng in this course. Studying an MEng gives you an in-depth study experience through advanced taught units and project work. It also fulfils the educational requirements you need to become a Chartered Engineer.

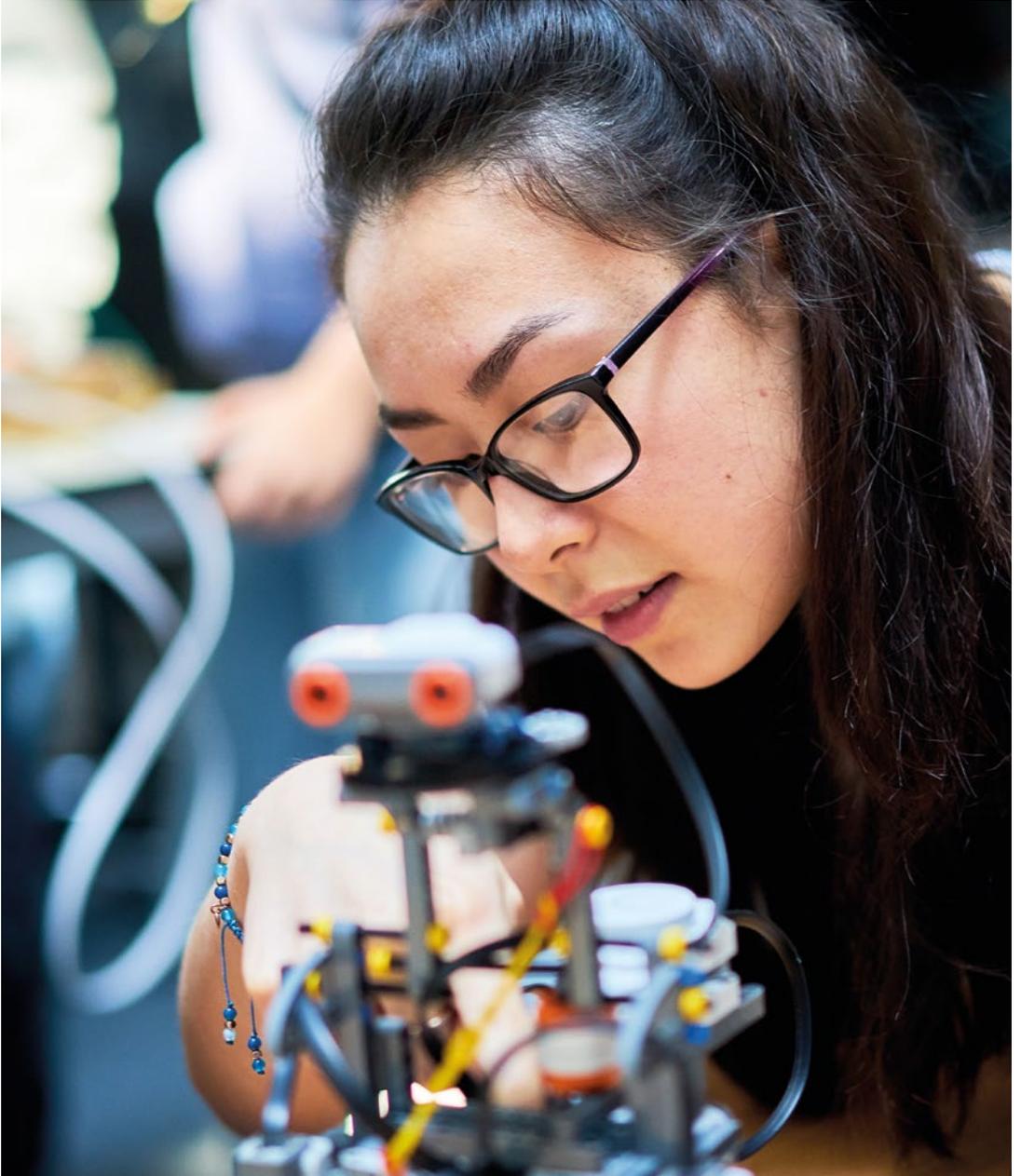
## Work placements

We also offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Arup, Atkins and Buro Happold.

\*these key areas will be studied throughout the course.

# Computer science

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## Computer science is the science behind much of the technology we use in our daily lives. Programming is a core topic but there is much more to learn.

**Top 10** for computer science in The Times and Sunday Times Good University Guide 2019

**2nd** for graduate prospects for computer science in the Complete University Guide 2019

**Joint 2nd** for employability for computer science & information systems in the Guardian University Guide 2019

**“Doing a placement at IBM was a great experience and I don’t think there’s anything else quite like it. I learnt a lot of new skills, including how to debug a large distributed system and to diagnose problems in software that spans multiple development technologies.”**

Tom Slattery,  
BSc Computer Science

Join us in a supportive, well-equipped and creative environment to reach your full potential.

You'll develop a sound knowledge base and a range of skills that are valuable to a career in computer science, including learning to analyse, integrate and apply new ideas and techniques to solve computing problems.

### Teaching

You'll learn from active researchers with expertise in important areas of computer science, including artificial intelligence, human computer interaction, mathematical foundations and visual computing. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

As a student here, you'll also have lots of opportunities to get involved in societies and events such as hackathons, coding competitions and conferences.

### Facilities

You'll have access to purpose-built teaching labs, including a dedicated prototyping lab, allowing you to create and experiment with software-driven systems and devices. Complex, data-intensive processes can be analysed over high-speed networks with our High-Performance Computing facility 'Balena'. Our specialist labs can be accessed 24/7.

### Careers

Recent graduates have gone on to a wide variety of careers including as Product Manager at Atos, Cyber Security Analyst at Selex ES, Software Tester at Fujitsu and Software Developer at Imagination Technologies. You'll also be well suited to roles in business, education and administration.

Many of our graduates also choose to go on to postgraduate study in preparation for academic or industry-based research careers.

### Placements

Going on placement gives you the opportunity to apply your skills and knowledge during a year working in industry. You'll be employed full-time in a role to match your future career ambitions, broadening your experience and transferable skills. This could give you a competitive edge when applying for graduate jobs.

Most of our students go on placement and about half of them get a job offer from their placement employer. We have links with some of the industry's leading companies. Recent placement employers include Accenture, Imagination Technologies, Goldman Sachs, Microsoft and Google.

# Computer Science

- G400 BSc (Hons) Three years  
 G401 BSc (Hons) Four years including placement year  
 I10C BSc (Hons) Four years including study year abroad  
 G403 MComp (Hons) Four years  
 G404 MComp (Hons) Five years including placement year  
 I101 MComp (Hons) Five years including study year abroad

**Develop sound theoretical and practical abilities in software design, development and experimentation, to become an innovative computing professional.**

This course will give you the skills and knowledge necessary to apply valid computer science methods to new and emerging computing problems. These abilities are highly valued by employers.

You'll gain a solid foundation in computer science with rigorous theory and practical experience. In the first year, you'll learn the basics of computer science, including mathematics and programming skills, followed by more advanced and specialised units in the second and final years. In the second year, you will complete a group project with other students to design and build an interactive application.

In the final year, you will choose optional units alongside an individual project that combines your interests in a specific area of computer science. You'll regularly meet with an academic who specialises in your chosen field.

## Key areas of study

### Year 1

Computing as a science and engineering discipline | Principles of programming\* | Computer systems architecture\* | Computer architecture | Mathematics for computation | Algorithms and intelligence

### Year 2

Human computer interaction | Group-design project | Computation | Visual computing | Data structures and algorithms | Databases | Machine learning | Artificial intelligence | Comparative programming languages | Functional programming

### Final year (BSc)

Final year project

### Additional areas of study for the MComp course

Research project | Entrepreneurship

This course also includes optional units in the penultimate and final year of the MComp course, and the final year of the BSc course.

## Master's option

The Master of Computer Science (MComp) provides you with the same core skills and knowledge of the BSc but with a greater exposure to research topics and methods.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree.

## Study abroad

You can also opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath.

## Entry requirements

**Typical offer: A\*AA**

### GCSE

4 or C in English (or equivalent from category B – see page 51).

### A level

A\*AA including Mathematics.

### International Baccalaureate

36 points and 7, 6, 6 in three Higher Level subjects including Mathematics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit:

**[go.bath.ac.uk/comp-sci-20](http://go.bath.ac.uk/comp-sci-20)**

Admissions and Outreach:

**[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)**

**+44 (0)1225 383019**

\*these key areas will be studied at more than one point during the year.

# Computer Science and Mathematics

G4GD BSc (Hons) Three years  
 G4GA BSc (Hons) Four years including placement year  
 I10B BSc (Hons) Four years including study year abroad  
 G4G1 MComp (Hons) Four years  
 GLG1 MComp (Hons) Five years including placement year  
 G4GC MComp (Hons) Five years including study year abroad

## Entry requirements

Typical offer: A\*AA

### GCSE

4 or C in English (or equivalent from category B – see page 51).

### A level

A\*AA including Mathematics and Further Mathematics.

Alternative offers are available online if you have not studied A level Further Mathematics.

### International Baccalaureate

36 points and 7, 6, 6 in three Higher Level subjects including Mathematics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit:

[go.bath.ac.uk/comp-sci-20](http://go.bath.ac.uk/comp-sci-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

## Develop skills in mathematics and software development, preparing you for roles that involve computational analysis, modelling and simulation.

Computer science and mathematics are closely linked. Many of the leading applications of computing are mathematical and computers are fundamentally logic engines.

This joint degree course is for you if you enjoy and excel at computing but want to combine that with a very strong interest in mathematics.

In the first two years, you'll study a mix of mathematics and computing units, including computational approaches to finding patterns in data and the generation of computational models. You will also share lectures with Mathematical Sciences students to study fundamental algebra and mathematical analysis. In the final year, you can choose to specialise in areas of numerical computer science and mathematics.

Computer scientists with good mathematical knowledge are in great demand worldwide. On graduation, you can apply what you've learnt to roles in software development that rely on a combination of mathematical and computational modelling, such as data analysis and forecasting.

## Key areas of study

### Year 1

Computing as a science and engineering discipline | Analysis\* | Algebra\* | Principles of programming\*

### Year 2

Integrated group-design project | Computation | Databases | Algebra\* | Analysis\* | Comparative programming languages | Functional programming

### Final year (BSc)

Final year project

### Additional areas of study for the MComp course

Research project

This course also includes optional units in year 2 and the penultimate year of the MComp course, and year 2 and the final year of the BSc course.

## Master's option

The Master of Computer Science (MComp) provides you with the same core skills and knowledge of the BSc but with a greater exposure to research topics and methods.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree.

## Study abroad

You can also opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath.

\*these key areas will be studied at more than one point during the year.

# Counselling



**Addictions counselling involves many different therapeutic interventions to support the treatment of addiction.**



There is currently demand for capable practitioners that can help those with problems relating to addiction.

Our course in Addictions Counselling is delivered by Action on Addiction. This is a University of Bath franchised course taught at the Centre for Addiction Treatment Studies in Warminster.

Action on Addiction is a national charity which provides treatment and help for those affected by addiction. They also provide education and professional development for practitioners.

## Teaching

You'll learn from academics and practitioners with expertise in addictions counselling. Their research activities feed into your teaching and contribute to your learning experience.

## Facilities

As a student on this course, you will be able to use the facilities at both the University of Bath and the Centre for Addiction Treatment Studies. At the University of Bath, this includes the campus library and the sports and recreation facilities. You are also eligible to join the University of Bath Students' Union.

## Careers

Our graduates have gone on to work as addictions counsellors in both residential and community-based settings. They have also worked in related fields such as the prison service, mental health and homelessness.

On successful completion of the foundation degree, you may be able to progress on to a third-year top-up course and earn a Bachelor of Science qualification.

**"I cannot express how much I've gained from the degree, and can only thank the tutors and the staff at the Centre for Addiction Treatment Studies for helping me begin my career."**

Molly Wrobel,  
FdSc Addictions Counselling

# Addictions Counselling

B940 FdSc Two years franchised

## Entry requirements

Typical offer: CD

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

CD in two A levels.

### Access to HE Diploma

A pass in the Access to HE Diploma in a relevant subject area including passes in 45 credits at Level 3.

### BTEC

PPP in any Level 3 Extended Diploma (QCF or RQF).

### Accreditation of experiential learning (APEL)

We may be able to consider you without formal qualifications if you have a minimum of two years' relevant work experience.

You will need to obtain an Enhanced Disclosure and Barring Service (DBS) check during this course. If you are a student who requires a Tier 4 visa to study you will not be able to join this course.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/addictions-counselling-20](http://go.bath.ac.uk/addictions-counselling-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
+44 (0)1225 383019

## Professional accreditations

This Foundation Degree is signposted to the Drug and Alcohol Occupational Standards (DANOS) and provides the required training hours for the Federation of Drug and Alcohol Practitioners (FDAP) accreditation.

**Develop the vocational skills required to become a practitioner in addictions counselling. You'll learn through academic study and work-based learning.**

This two year foundation degree enables you to deliver safe and effective interventions for those with problems due to addiction. You'll gain the skills to plan and deliver treatment for addictive behaviours. You will also learn about the latest developments in addictions treatment.

In the course, you'll learn through a variety of statutory and voluntary settings. You'll also gain experience through working with multidisciplinary teams and service users. You'll develop your ability to gather and test information from a range of sources. This will enable you to draw reasoned conclusions for application in practice.

In consultation with your Course Tutor, you will find a suitable work-based learning placement on this course. You will observe the treatment tasks by qualified staff and receive direction in carrying out the tasks yourself. This enables you to gain essential experience in the field.

The course is delivered by Action on Addiction and teaching will take place at the Centre for Addiction Treatment Studies in Warminster. Each unit is taught in three, four and five day blocks, so you don't need to relocate for this course. You will benefit from teaching by academic staff and practitioners who are experts in their field.

On completion of the foundation degree to the required academic standard, you may have the opportunity to progress to the one year BSc (Hons) Addictions Counselling (work-based learning) course.

## Key areas of study

### Year 1

Study skills | Alcohol and drug problems and societal responses | Treatment approaches | Counselling skills | Diversity issues | Assessment and treatment planning | Group therapy | Personal and professional development\* | Motivational interviewing\*

### Year 2

Research methods and work-based project\* | Harm reduction approaches | The 12 step programme | Cognitive therapy\* | Working with families | Relapse prevention | Dual diagnosis and complex needs

## BSc (Hons) one year

The Bachelor of Science provides you with greater exposure to research and advanced practical techniques, including a work-based research project.

### Key areas of study

Work-based research project\* | Developing cognitive therapy and motivational interviewing | Quality requirements | Managing performance | Group leadership

## Work placements

This course includes work-based placements.

\*these key areas will be studied at numerous points throughout the duration of the course.

# Economics

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**Top 10** in Economics  
in the Complete University  
Guide 2019

**Top 10** in Economics  
in The Times and Sunday  
Times Good University  
Guide 2019

**Joint 3rd** for  
Graduate Prospects in  
Economics in the Complete  
University Guide 2019



**“I was fortunate enough to receive the offer to work at the Bank of England in London, the UK Central Bank. I was based within a team developing regulatory policy for banks, insurance companies and other investment firms to promote a safe and sound financial system in the UK.”**

Grace Ling, BSc Economics alumna had her placement year at the Bank of England and secured a graduate position before returning to university for her final year.

## Economics is a social science that examines why and how people make choices to improve their wellbeing and wealth.

Economics helps us answer questions, such as:

- how should the banking system be regulated to prevent another financial crisis?
- should we raise taxes to reduce pollution?
- how can economic policy support investment and growth?

You will learn how to analyse complex data and solve economic problems. You will be able to review economic theory and apply quantitative techniques to understand behaviour.

### Teaching

You'll learn from academics with expertise across the breadth of economics. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

### Facilities

Our computer network enables you to access the up-to-the-minute data on economics. You will use the latest statistical and quantitative software to improve your ability to conduct analysis.

### Careers

Our economics graduates are very successful in today's competitive labour market. They pursue a range of careers in both the private and public sectors.

Many of our graduates work as economists, financial or business analysts, researchers, accountants and tax professionals. They have worked for organisations such as: Deloitte, Bank of England, Ernst & Young (EY), Amazon and Unilever.

### Placements

The placement year is an opportunity for you to use the theory you have learnt in a practical context. You will learn about an organisation and its area of work. This is an excellent opportunity to test potential career paths. Sometimes permanent jobs are offered to our students. You'll develop skills such as teamwork, planning, problem solving, decision making and project management.

Employers value a year of professional work and you'll gain an advantage in the job market. Sometimes it is possible for you to acquire additional professional qualifications, particularly in accountancy, whilst on placement.

Placement opportunities can't be guaranteed but you will receive tailored support from our specialist team to help you secure a placement.

# Economics

L100 BSc (Hons) Three years

L101 BSc (Hons) Four years including placement year

L104 BSc (Hons) Four years including study year abroad

L105 BSc (Hons) Four years including combined placement and study year abroad

Gain the skills you need to solve a variety of complex economic issues. You'll learn core economic theory and become acquainted with chosen specialist areas.

In this degree, you will study the foundation of economic theory and its application to real-world decisions. You'll explore the connections between economic issues, such as business and rational human behaviour.

The course will teach you how to apply economic theory, enabling you to solve complex economic problems. You'll develop your knowledge of UK and global economics which will enable you to understand how economic decisions and policies are made.

Your first year is concerned with key concepts in microeconomic and macroeconomic theory. You'll further your skills in core mathematics, statistics and data analysis. In Year 2, you'll build on this through intermediate study of economic theory. The study of econometrics will enable you to estimate and forecast economic relationships. The final year will teach you advanced economic theory. A selection of optional units will enable you to tailor your expertise to your personal interests and career aspirations.

## Key areas of study

### Year 1

Introductory microeconomics | Mathematics | Modern world economy | Probability and statistics | Introductory macroeconomics | Data analysis | Economic policy in the UK

### Year 2

Econometrics | Intermediate microeconomics | Intermediate macroeconomics

### Penultimate year

Optional placement or study year abroad

### Final year

Advanced macroeconomics | Advanced microeconomics

This course includes optional units in years 1, 2 and the final year in, for example, Public economics, International economics, Banking, Growth theory and Industrial organisation.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Morgan Stanley, Bank of England and Microsoft.

## Study abroad

You can also opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath. You could combine study abroad with an international work placement.

## Entry requirements

Typical offer: A\*AA

### GCSE

4 or C in English (or equivalent from category B – see page 51).

### A level

A\*AA including Mathematics.

### International Baccalaureate

36 points and 7, 6, 6 in three Higher Level subjects including Mathematics.

You may be considered if you are taking Standard Level Mathematics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/econ-20](http://go.bath.ac.uk/econ-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
+44 (0)1225 383019

# Economics and Mathematics

L102 BSc (Hons) Three years

L103 BSc (Hons) Four years including placement year

L106 BSc (Hons) Four years including study year abroad

L107 BSc (Hons) Four years including combined placement and study year abroad

## Entry requirements

**Typical offer: A\*AA**

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*A in Mathematics and Further Mathematics plus either A in a third A level or B in a third A level and grade 2 in any STEP.

We may also consider your performance in the Maths Admissions Test (MAT) in place of a STEP.

We prefer applicants with A level Further Mathematics. Alternative offers are available online if you have not studied Further Mathematics at A level.

### International Baccalaureate

36 points and 7, 6, 6 in three Higher Level subjects including 6 in Mathematics or 7, 6, 5 in three Higher Level subjects including 7 in Mathematics.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/econ-20](https://go.bath.ac.uk/econ-20)

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## Achieve a grounding in economic theory while learning different statistical approaches for the analysis of economic data.

This course is for those who want an understanding of the tools and key theories within economics and mathematics. You'll study the core elements of economics, including microeconomic theory, macroeconomic theory and econometrics.

You will develop methodological and statistical tools for the analysis of complex data. Throughout your studies, you will be immersed in a wide variety of quantitative topics. This will enable you to develop and apply your advanced mathematical skills.

The first year has a mathematical focus to develop your theoretical skills. In Year 2 you'll further your knowledge of economics from this foundation in the first year. In the final year, you will study advanced economic theory. A selection of optional units will enable you to tailor your studies to your personal career aspirations, interests, and strengths.

By the end of the course, you'll be able to understand the complexities of global economic problems and data, and you will possess advanced quantitative skills and tools to create innovative solutions.

## Key areas of study

### Year 1

Analysis | Introductory microeconomics | Algebra | Probability and statistics | Methods and applications | Introductory Macroeconomics | Mathematical economics

### Year 2

Econometrics | Intermediate microeconomics | Intermediate macroeconomics

### Penultimate year

Optional placement or study year abroad

### Final year

Advanced macroeconomics | Advanced microeconomics

This course includes optional units in year 2 and the final year in, for example, Financial markets, Economic incentives and Time series.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include HSBC, UBS and Dyson.

## Study abroad

You can also opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath. You could combine study abroad with an international work placement.

# Economics and Politics

LL12 BSc (Hons) Three years

LLC2 BSc (Hons) Four years including placement year

LLC3 BSc (Hons) Four years including study year abroad

LLC4 BSc (Hons) Four years including combined and study year abroad

Understand the complex interactions between economic and political variables. You'll gain the skills to apply economic theory to help solve global problems.

In this course, you'll examine the challenges facing individuals, countries and the international community.

You will develop an understanding of government and society through core concepts such as power, justice, order, conflict, legitimacy, accountability, obligation, sovereignty and decision making. You will develop strong numeracy skills in statistics and information technology. You will explore the institutional, UK and global context within which economic decisions and policy formation takes place.

In your first year, you will gain a secure base in microeconomic and macroeconomic theory. You will study the exercise of power in societies, and the resolution of conflict between power and policies. This will be integrated into economic analysis. You will also develop your understanding of international relations, and issues of conflict and security. In the final year, you will be able to choose from a selection of optional units.

By the end of the course, you will have an appreciation of the interface between economics and political science.

## Key areas of study

### Year 1

Introductory microeconomics | Mathematics | Probability and statistics | Politics: theory and analysis | Introductory macroeconomics | Data analysis | International relations

### Year 2

Economic thought and policy | International comparative politics | Economics of politics | Intermediate microeconomics | Intermediate macroeconomics

### Penultimate year

Optional placement year or study year abroad

### Final year

This course includes optional units in years 1, 2 and the final year in, for example, Money and finance, Taxation, International trade, American politics and Political economy.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Amazon, Morgan Stanley and UBS.

## Study abroad

You can also opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath. You could combine study abroad with an international work placement.

## Entry requirements

Typical offer: A\*AA

### GCSE

4 or C in English (or equivalent from category B – see page 51).

### A level

A\*AA including Mathematics.

### International Baccalaureate

36 points and 7, 6, 6 in three Higher Level subjects including Mathematics.

You may be considered if you are taking Standard Level Mathematics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

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# Education

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## Education is concerned with how people develop and learn throughout their lives. It involves critiquing the teaching methods and environments in which we learn.

The study of education enables you to identify and challenge the purposes, practices and functions of education in different contexts.

You'll explore government priorities relating to children's lives and wellbeing, and the role of education in these. You will learn how to question the role that education plays in addressing fundamental issues relating to inequality, citizenship and the environment.

Our course in this subject is delivered by our departments of Education and Psychology enabling you to benefit from two academic disciplines.

### Teaching

You'll learn about education in a holistic way from academics with expertise in education, psychology and sociology. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

### Placement

A placement year will give you excellent hands-on experience and help you decide where your specific interests lie. You'll develop your knowledge and understanding and be able to consider more deeply your interests and preferences in preparation for future employment. You will gain a competitive advantage when applying for jobs.

Our students have previously spent their placement year working in the UK or overseas at charities, research institutes and at local, national and international schools.

### Careers

This degree prepares you for employment within a range of services for children and young people. Recruiters include:

- Trauma Recovery Centre
- Kent County Council
- Teacher Development Trust

With further studies you could go into teaching, counselling, youth work or special needs support. It also enables you to work with non-governmental organisations whose concern is the welfare of children, their families and young people. You could also go on to pursue further study or an academic career in the social sciences.

The course also potentially provides a foundation for later pursuit of accreditation from the British Psychological Society (BPS), through conversion courses that may be offered at other universities.

**100%** student satisfaction for BA (Hons) Education with Psychology including Placement Year in the National Student Survey 2018

**2nd** for Psychology in the Guardian University Guide 2019

**5th** for Social Work in the Guardian University Guide 2019



**“I volunteered for the International Citizen Service (ICS) in Nepal. After that, I spent my second placement at a residential care home for disabled children. Throughout the placement year, I was challenged and consequently had to learn to adapt and develop. Perhaps the most obvious things I learnt from my placement were patience, adaptability, confidence and perseverance.”**

Chloe Collins, BA Education with Psychology, placements in UK and Nepal.

# Education with Psychology

LX5H BA (Hons) Three years  
LXM3 BA (Hons) Four years including placement year

## Entry requirements

Typical offer: **ABB**

### GCSE

4 or C in English (or equivalent from category B – see page 51).

### A level

ABB in three A levels.

### International Baccalaureate

35 points and 6, 5, 5 in three Higher Level subjects.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/edu-psych-20](https://go.bath.ac.uk/edu-psych-20)

Admissions and Outreach:  
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**+44 (0)1225 383019**

Explore how young children and adolescents learn and develop. You'll focus on contemporary society, both globally and in the UK.

In this course, you'll study a range of social science content from the disciplines of education, psychology and sociology.

You'll study the social and developmental contexts of childhood and youth in depth. During the degree, you'll also explore government priorities relating to children's lives and wellbeing, and the role of education.

In the first year, you'll study core introductory units in education, psychology and research methods. In your second year, you'll be able to choose from a diverse range of optional units. You will also study advanced topics in education and psychology.

The final year provides an opportunity to specialise according to your interests. This includes writing a dissertation.

## Key areas of study

### Year 1

Mind and behaviour | Research methods\* | Education and schooling | Children's rights | Representations of childhood and youth | Education and social justice | Learning theory | Deviance | The family as educator

### Year 2

Interventions | Psychology and educational policy | Social psychology | Educational psychology\* | Developmental psychology | Education inequalities | Contemporary issues in childhood and youth\*

### Penultimate year

Optional placement year

### Final year

Dissertation | Developmental psychopathology | Children and technology

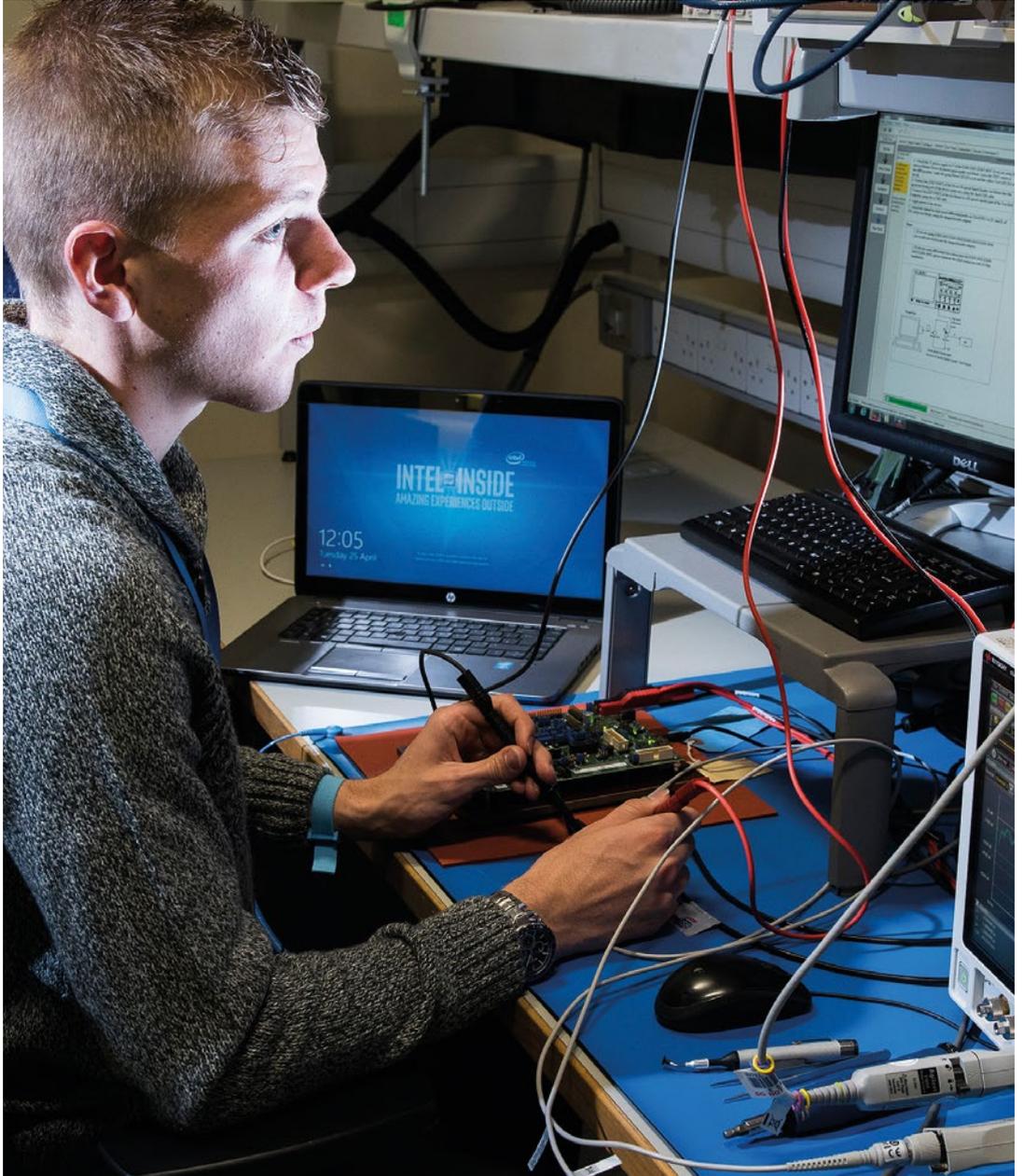
This course includes optional units in year 2 and the final year in, for example, Talk and learning, Psychology of creativity and innovation, and Designing and analysing curricula.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Autism UK, Trauma Recovery Centre and Tamagawa International School.

\*these key areas will be studied at numerous points throughout the course.

# Electronic and electrical engineering



## The study of electricity and its application in modern systems and devices, underpinning most technological advances in industry and society.

**Top 5** for electronic and electrical engineering in the Guardian University Guide 2019

**Awarded Gold** for excellence in undergraduate teaching



**“Bath stood out from other universities for its industrial placements. It is a brilliant opportunity to experience a professional environment before completing your degree.”**

Mafalda Ribeiro,  
MEng (Hons) Electrical and Electronic Engineering with placement year

Electronic and electrical engineering is the driving force behind many of our systems, infrastructure and technologies. In a sector that is continually evolving, engineers need to combine design creativity with scientific analysis to develop the next products and applications.

At Bath, we want to give you the knowledge and confidence to not just keep up with these advances, but to be able to lead them. On our courses, you'll discover the technology behind communications, healthcare, transport and energy. You'll learn how to use technical knowledge and creativity to design and build advanced electronic and electrical devices and systems.

The academic and practical skills you graduate with will help you begin a career as a professional engineer. You could be developing the next smartphone, finding better ways to detect cancer, developing renewable micro-grids, or leading the robotics revolution.

### Teaching

You'll learn from academics with expertise in electronic and electrical engineering. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

### Careers

We work with industrial partners to make sure our course content reflects the needs of engineering industries worldwide. You'll graduate with the technical expertise and transferable skills that will open up employment opportunities for you. You can pursue a career in high-technology industries in electronics, power, aerospace, communications, robotics or manufacturing. Or you could find employment in other sectors such as IT, financial services, accountancy, the armed forces or business. Many of our graduates continue their studies to pursue an academic or research career.

### Placements

All our electronic and electrical engineering degrees include an optional placement year. Going on placement gives you the chance to apply your theoretical knowledge to the workplace. Having professional experience can benefit the rest of your degree as well as improve your career prospects. It can also be an opportunity to earn a salary during your degree.

# Computer Systems Engineering

GH46 BEng (Hons) Three years  
 GHK6 BEng (Hons) Four years including placement year  
 HG64 MEng (Hons) Four years  
 HGP4 MEng (Hons) Five years including placement year

Combine electronic engineering expertise with advanced knowledge of computer hardware and software skills to develop the computer systems of tomorrow.

Our course prepares you for a career in an advancing field at the interface of engineering and computing. You'll gain in-depth knowledge of modern computer systems, software engineering, visual computing and embedded programming to become a systems-level expert.

Learning the foundations of electronic, electrical and computer engineering gives you a broad understanding of the subject. Later in your degree, you can specialise in embedded electronic systems, computational intelligence or electronic design.

Working with the latest digital technology, you'll design systems such as embedded microprocessors, programmable integrated circuits or high-performance computers. You'll learn how to use industry standard programming and hardware design languages, operating systems and applications.

Project work gives you technical, business and management skills to solve engineering problems relevant to industry. You could explore areas including computer systems design and integration, or information systems and interfacing.

## Key areas of study

### Year 1

Introduction to programming in MATLAB | Electronic laboratory techniques and professional engineering practice | Circuit theory | Engineering physics | Mathematics\* | Signals, systems and communications | Microprocessors and interfacing | Digital electronics | Electronic systems design and manufacture\*

### Year 2

Data structures and algorithms | Digital systems design | Signal processing | Structured programming | Artificial intelligence | Communication principles | Group design and professional engineering practice | Control systems

### MEng penultimate year/BEng final year

Fundamentals of visual computing | Digital networks and protocols | Digital audio and signal processing | BEng individual project and BEng group project or MEng group design project 1 and 2 | Plus optional units

### MEng final year

Digital image processing | Computational intelligence | Individual project | Plus optional units

## Master's option

Choosing the MEng course gives you a more in-depth study experience through advanced taught units and semester-long individual and group project work. It also fulfils the educational requirements you need to become a Chartered Engineer.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Surrey Satellite Technology, Samsung and Siemens.

\*these key areas will be studied throughout the course.

## Entry requirements

Typical offer: AAA or A\*AB

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

AAA or A\*AB including A in Mathematics a second science or technology subject.

### International Baccalaureate

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects including 6 in Mathematics and a second science or technology subject.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/electrical-elec-eng-20](http://go.bath.ac.uk/electrical-elec-eng-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

## Professional accreditations

**BEng:** Accredited by the Institute of Engineering and Technology, licensed by the Engineering Council, as partly satisfying the educational requirements for a Chartered Engineer.

**MEng:** Accredited by the Institute of Engineering and Technology, licensed by the Engineering Council, to fulfil the educational requirements for a Chartered Engineer.

# Electrical and Electronic Engineering

- H603 BEng (Hons) Three years  
 H604 BEng (Hons) Four years including placement year  
     H600 MEng (Hons) Four years  
 H601 MEng (Hons) Five years including placement year

## Entry requirements

Typical offer: AAA or A\*AB

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

AAA or A\*AB including A in Mathematics a second science or technology subject.

### International Baccalaureate

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects including 6 in Mathematics and a second science or technology subject.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/electrical-elec-eng-20](http://go.bath.ac.uk/electrical-elec-eng-20)

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 +44 (0)1225 383019

## Professional accreditations

**BEng:** Accredited by the Institute of Engineering and Technology, licensed by the Engineering Council, as partly satisfying the educational requirements for a Chartered Engineer.

**MEng:** Accredited by the Institute of Engineering and Technology, licensed by the Engineering Council, to fulfil the educational requirements for a Chartered Engineer.

Learn the latest theoretical, hardware and software skills to pursue a professional career as an electrical and electronic engineer.

Our course gives you a broad and flexible education in electrical and electronic engineering. The range of engineering units lets you tailor your degree to what you excel in to support your future career choices.

From your first day, you'll build on your understanding of electrical and electronic elements and gain an appreciation for new engineering techniques. Learning about the practical technologies used in industry gives you insights into current practices in professional engineering.

Group and individual projects develop your technical, teamwork, business and management skills throughout the course. Combining theory and practice, you'll take creative approaches to solve engineering problems relevant to industry. Your projects could be on topics such as virtual reality tracking systems, medical sensors or next-generation LEDs.

Our partnerships with the UK Electronics Skills Foundation and the IET Power Academy give you access to scholarships with companies such as ARM, National Grid and Rolls Royce.

## Key areas of study

### Year 1

Introduction to programming in MATLAB | Electronic laboratory techniques and professional engineering practice | Circuit theory | Engineering physics | Mathematics\* | Signals, systems and communications | Microprocessors and interfacing | Digital electronics | Electronic systems design and manufacture\*

### Year 2

Electronic devices and circuits | Digital systems design | Signal processing | Structured programming | Electromagnetics | Communication principles | Electrical systems and power electronics | Group design and professional engineering practice | Control systems

### MEng penultimate year/BEng final year

BEng individual project and BEng group project or MEng group design and business project 1 and 2 | Plus a wide choice of optional units

### MEng final year

Individual project | Plus a wide choice of optional units

## Master's option

You can take a BEng or MEng in this course. The MEng gives you a more in-depth study experience through advanced taught units and semester-long individual and group project work. It also fulfils the educational requirements you need to become a Chartered Engineer.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Jaguar Land Rover, Thales and McLaren Electronics.

\*these key areas will be studied throughout the course.

# Electrical Power Engineering

- H630 BEng (Hons) Three years  
 H631 BEng (Hons) Four years including placement year  
 H632 MEng (Hons) Four years  
 H633 MEng (Hons) Five years including placement year

## Gain the theoretical and practical skills in power generation and distribution to pursue a career in electrical power industries.

Our course develops your expertise in areas where power engineers are in demand such as smart grids, micro-generation and renewable energy.

Your first two years provide you with a grounding in electrical engineering science before specialising in power engineering. You'll develop an understanding of the technical, industrial and economic issues of designing and manufacturing modern electrical power devices. And you'll learn how to use advanced technologies to conceptualise, design and operate power and energy systems.

Industry-focused group and individual projects give you the opportunity to put theory into practice. They also help you develop other professional skills in management, communication and business. You could work on topics such as smart metering, electrical drives, or power markets.

Our partnership with the Institute of Engineering and Technology (IET) Power Academy gives you access to scholarships and placements with top companies in the energy sector.

## Key areas of study

### Year 1

Introduction to programming in MATLAB | Electronic laboratory techniques and professional engineering practice | Circuit theory | Engineering physics | Mathematics\* | Signals, systems and communications | Microprocessors and interfacing | Digital electronics | Electronic systems design and manufacture\*

### Year 2

Electronic devices and circuits | Digital systems design | Signal processing | Structured programming | Electromagnetics | Communication principles | Electrical systems and power electronics | Group design and professional engineering practice | Control systems

### MEng penultimate year/BEng final year

Control engineering | Power electronics and drives | Power system plant | Power system fundamentals | BEng individual project and BEng group project or MEng group design and business project 1 and 2 | Plus optional units

### MEng final year

Energy management systems | Power electronics and machines | Power system protection | Individual project | Plus optional units

## Master's option

Choosing the MEng course gives you a more in-depth study experience through advanced taught units and semester-long individual and group project work. It also fulfils the educational requirements you need to become a Chartered Engineer.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include RWE npower, Visteon and National Grid.

## Entry requirements

**Typical offer: AAA or A\*AB**

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

AAA or A\*AB including A in Mathematics a second science or technology subject.

### International Baccalaureate

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects including 6 in Mathematics and a second science or technology subject.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/electrical-elec-eng-20](http://go.bath.ac.uk/electrical-elec-eng-20)

Admissions and Outreach:  
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 +44 (0)1225 383019

## Professional accreditations

**BEng:** Accredited by the Institute of Engineering and Technology, licensed by the Engineering Council, as partly satisfying the educational requirements for a Chartered Engineer.

**MEng:** Accredited by the Institute of Engineering and Technology, licensed by the Engineering Council, to fulfil the educational requirements for a Chartered Engineer.

\*these key areas will be studied throughout the course.

# Electronic Engineering with Space Science and Technology

H6H4 BEng (Hons) Three years

H6H7 BEng (Hons) Four years including placement year

H6HK MEng (Hons) Four years

H6H5 MEng (Hons) Five years including placement year

## Entry requirements

Typical offer: AAA or A\*AB

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

AAA or A\*AB including A in Mathematics a second science or technology subject.

### International Baccalaureate

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects including 6 in Mathematics and a second science or technology subject.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

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## Professional accreditations

**BEng:** Accredited by the Institute of Engineering and Technology, licensed by the Engineering Council, as partly satisfying the educational requirements for a Chartered Engineer.

**MEng:** Accredited by the Institute of Engineering and Technology, licensed by the Engineering Council, to fulfil the educational requirements for a Chartered Engineer.

**Design, operate and build electronic systems for the space environment. Gain the engineering skills needed for a career in the space industry.**

Our course takes you beyond the conventional engineering difficulties of designing equipment for use on Earth's surface. You'll develop the skills needed to design and build electronic systems and platforms for the hostile environment of space.

Your first two years develop your understanding of electronic and electrical engineering before specialising in space science and technology. You'll study electronics and communications technologies with elements of space and planetary science. Your learning will be supported by the latest theory and practice in spacecraft engineering, space electronics, Earth observation, the space environment and weather.

Your ability to apply business, teamwork and management skills to industry-focused engineering problems will prepare you for a career in the space industry.

## Key areas of study

### Year 1

Introduction to programming in MATLAB | Electronic laboratory techniques and professional engineering practice | Circuit theory | Engineering physics | Mathematics\* | Signals, systems and communications | Microprocessors and interfacing | Digital electronics | Electronic systems design and manufacture\*

### Year 2

Electronic devices and circuits | Digital systems design | Signal processing | Structured programming | Electromagnetics | Communication principles | Electrical systems and power electronics | Group design and professional engineering practice | Control systems

### MEng penultimate year/BEng final year

Digital networks and protocols | Radio and optical waves for communication | Spacecraft systems engineering | BEng group project and BEng individual project or MEng group design and business project 1 and 2 | Plus optional units

### MEng final year

Radar systems and remote sensing | Satellite-based navigation systems | Individual project | Plus optional units

## Master's option

Choosing the MEng course gives you a more in-depth study experience through advanced taught units and semester-long individual and group project work. It also fulfils the educational requirements you need to become a Chartered Engineer.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Intel, Samsung and Siemens.

\*these key areas will be studied throughout the course.

# Electronic Systems Engineering

- H640 BEng (Hons) Three years  
 H641 BEng (Hons) Four years including placement year  
 H622 MEng (Hons) Four years  
 H623 MEng (Hons) Five years including placement year

Gain expertise in electronic hardware and systems. Develop the technical skills and initiative to make an impact as a professional electronics design engineer.

Our course gives you a combination of fundamental skills in electronic engineering with advanced knowledge of systems engineering. You'll design, make and test electronic systems and get hands-on experience in integrated circuit design and advanced printed circuit boards.

Throughout your studies, you'll develop a strong theoretical and practical knowledge of electronic systems design. This basis will help you become proficient in a range of systems including marine, land and airborne platforms, embedded software systems, and navigation systems.

Group and individual projects are a key feature of your degree. They encourage you to explore new areas of engineering while solving industry-focused problems. You could specialise in topics such as sensors, autonomous systems or electric vehicles. The technical, teamwork and management skills you gain will prepare you for a career as a systems engineer in industry.

Our partnership with the UK Electronics Skills Foundation gives you access to scholarships with companies such as ARM, Ericsson and Qualcomm.

## Key areas of study

### Year 1

Introduction to programming in MATLAB | Electronic laboratory techniques and professional engineering practice | Circuit theory | Engineering physics | Mathematics\* | Signals, systems and communications | Microprocessors and interfacing | Digital electronics | Electronic systems design and manufacture\*

### Year 2

Electronic devices and circuits | Digital systems design | Signal processing | Structured programming | Electromagnetics | Communication principles | Electrical systems and power electronics | Group design and professional engineering practice | Control systems

### MEng penultimate year/ BEng final year

Microelectronic systems | BEng individual project and BEng group project or MEng group design and business project 1 and 2 | Plus optional units

### MEng Final year

Advanced microelectronic system design | Individual project | Plus optional electronics units

## Master's option

You can take a BEng or MEng in this course. The MEng gives you a more in-depth study experience through advanced taught units and semester-long individual and group project work. It also fulfils the educational requirements you need to become a Chartered Engineer.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Orange, Intel and Thales.

\*these key areas will be studied throughout the course.

## Entry requirements

Typical offer: AAA or A\*AB

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

AAA or A\*AB including A in Mathematics a second science or technology subject.

### International Baccalaureate

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects including 6 in Mathematics and a second science or technology subject.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

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## Professional accreditations

**BEng:** Accredited by the Institute of Engineering and Technology, licensed by the Engineering Council, as partly satisfying the educational requirements for a Chartered Engineer.

**MEng:** Accredited by the Institute of Engineering and Technology, licensed by the Engineering Council, to fulfil the educational requirements for a Chartered Engineer.

# Robotics Engineering

H652 MEng (Hons) Four years

H653 MEng (Hons) Five years including placement year

## Entry requirements

**Typical offer: AAA or A\*AB**

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

AAA or A\*AB including A in Mathematics and Physics.

### International Baccalaureate

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects including 6 in Mathematics and Physics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/electrical-elec-eng-20](http://go.bath.ac.uk/electrical-elec-eng-20)

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**+44 (0)1225 383019**

**Be part of the robotics revolution. Study a progressive area of engineering to pursue a career in robotics and automation.**

Our course is for aspiring engineers who want to contribute to the future of the expanding robotics and autonomous systems industries. You'll advance your knowledge in areas of robotics, artificial intelligence and electronics systems at the forefront of engineering and design.

In your first two years, you'll learn core elements of electronic, electrical and mechanical engineering. You'll combine this with aspects of computer science to give you a comprehensive overview of robotics engineering.

To become a skilled engineer, you need good technical design knowledge. At Bath, you'll work on projects, putting your ideas into practice and collaborating to solve engineering problems. This requires you to use communication, teamwork and management, helping you to develop the set of skills needed by professional engineers.

You'll graduate with a strong understanding of the operation, components and design techniques of robotics engineering. Your studies will prepare you for a career in robotics and automation in areas such as robotic systems design, autonomous systems and medical robotics.

## Key areas of study

### Year 1

Introduction to programming in MATLAB | Solid mechanics\* | Circuit theory | Robotics design | Mathematics\* | Signals, systems and communications | Microprocessors and interfacing | Digital electronics | Robotics and mechatronic systems

### Year 2

Electronic devices and circuits | Digital systems design | Signal processing | Design and manufacture of electromechanical systems | Electromagnetics | Communication principles | Electrical systems and power electronics | Artificial intelligence | Integrated control system design

### Penultimate year

Robotics and autonomous systems | Group design and business project 1 and 2 | Plus optional units

### Final year

Robotics engineering | Individual project | Plus optional units

## Studying a master's

Studying an MEng gives you an in-depth study experience through advanced taught units and project work. It also fulfils the educational requirements you need to become a Chartered Engineer.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree.

\*these key areas will be studied throughout the course.

# Integrated mechanical and electrical engineering

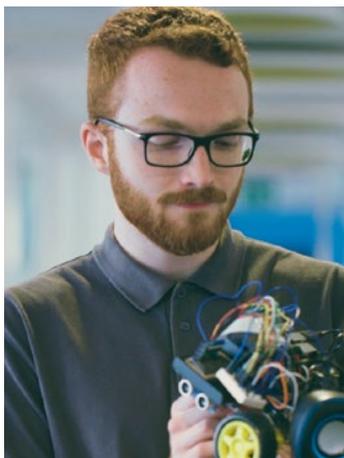


## Learn about the design and manufacture of electrical and mechanical devices, technologies and systems by combining the core elements of both engineering sciences.

**Top 5** for mechanical engineering in the 2019 Complete University Guide

**Top 5** for electrical and electronic engineering in the Guardian University Guide 2019

**Awarded Gold** for excellence in undergraduate teaching



**“A year on placement has taught me the importance of good team work, communication skills and collaboration.”**

Patrick McLaughlin,  
MEng Integrated Mechanical and Electrical Engineering with placement year

Mechanical and electrical engineering underpin many of the technologies we use and support the infrastructure of our lives such as transport, energy and communication. To advance these technologies, industries need more from their engineers than expertise in one discipline. They want graduates who understand how to combine mechanical and electrical engineering to tackle complex problems.

Our course brings together these two subjects to give you the multidisciplinary skills needed to work in engineering industries worldwide. We regularly review our course with input from industry to make sure that we give you a study experience informed by modern industrial practice. When you graduate, you'll have the integrated knowledge to make a valuable contribution to a range of industries. You could be developing the next electric car, designing unmanned air vehicles for humanitarian aid, or finding ways to make sustainable energies more efficient.

### Teaching

You'll learn from academics with expertise in mechanical and electrical engineering across a wide range of areas. These include biomechanics, tomography, automotive engineering, and advanced sensors. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

### Careers

We work with industrial partners to make sure our course content reflects the needs of engineering industries. When you graduate, you'll have the interdisciplinary skills needed across a wide range of engineering professions. You could go on to pursue successful careers in high-technology industries including electronics, power, automotive, robotics, aerospace or manufacturing. Some of our graduates continue their studies with us or at other universities for a career in academia or research.

### Placements

Our course includes an optional placement year. Going on placement gives you the chance to apply your theoretical knowledge to the workplace and learn about the technologies and processes used in industry. You'll develop your skills in a professional environment and learn about sophisticated engineering systems. Having professional experience can benefit the rest of your degree as well as improve your career prospects. It can also be an opportunity to earn a salary during your degree.

# Integrated Mechanical and Electrical Engineering

HHJ6 MEng (Hons) Four years  
HH3Q MEng (Hons) Five years including placement year

## Develop core knowledge of systems engineering across both mechanical and electrical engineering to boost your career prospects in industry.

Our course gives you a unique chance to balance an understanding of mechanical, electrical and electronic engineering sciences with a focus on systems engineering. You'll develop a comprehensive knowledge of mechanics, materials, electrical and electronic systems and circuits. And you'll explore the theory and practice of the latest mechanical and electrical technologies.

Being able to apply what you've learnt is an important part of your studies at Bath. You'll use theory in coordinated projects and laboratory work where you'll design and develop products and systems. Group and individual projects are a chance to explore creative approaches to engineering problems. You could design and build robotics, medical devices or sports and games equipment.

You'll also develop valuable skills to add to your technical and scientific knowledge. Through teamwork, problem-solving and management experience, you'll graduate prepared to work in professional engineering roles.

## Key areas of study

### Year 1

Circuit theory | Mathematics\* | Thermodynamics | Solid mechanics\* | Robotics design | Digital electronics | Robotics and mechatronic systems | Integrated design and materials

### Year 2

Electronic devices and circuits | Digital systems design | Electromagnetics | Modelling techniques\* | Design and manufacture of electromechanical systems | Signals, systems and communications | Electrical systems and power electronics | Integrated control systems design | Fluid mechanics

### Penultimate year

Control engineering | Power electronics and drives | Integrated engineering | Mechanical engineering group business and design project or Electrical engineering group design and business project or Aerospace group business and design project or External integrated project | Plus optional units

### Final year

Robotics engineering | Integrated engineering final-year project | Plus optional units from the Departments of Electronic & Electrical Engineering and Mechanical Engineering

## Studying a master's

An MEng gives you an in-depth study experience through advanced taught units and project work. It also fulfils the educational requirements you need to become a Chartered Engineer.

## Work placements

We also offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Renishaw, BAE Systems and Jaguar Land Rover.

\*these key areas will be studied throughout the course.

## Entry requirements

**Typical offer: AAA or A\*AB**

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

AAA or A\*AB including A in Mathematics and Physics.

### International Baccalaureate

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects including 6 in Mathematics and Physics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/int-mech-elec-20](https://go.bath.ac.uk/int-mech-elec-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
**+44 (0)1225 383019**

## Professional accreditations

Accredited by the Institute of Engineering and Technology, licensed by the Engineering Council, to fulfil the educational requirements for a Chartered Engineer.

Accredited by the Institution of Mechanical Engineers (IMechE), licensed by the Engineering Council, to fully meet the academic requirements for a Chartered Engineer.

# International development

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photo: Dr Roy Maconachie

## International development concerns the global challenge of how to enable people to live secure and fulfilled lives, particularly those in poorer regions.

Why is rising material prosperity not shared equally amongst the world's nations and people? Are current ways of living and models of growth sustainable?

The study of international development examines and seeks to find solutions to these issues. You'll explore case studies and research relating to Africa, Asia and Latin America.

You'll become proficient in analysing development-related problems from a range of disciplinary perspectives and working with different kinds of data.

You will acquire skills in applying economic, social and political theories to development problems, which are relevant to working in many fields.

### Teaching

You'll learn from academics with expertise in international development. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

### Facilities

You will be able to benefit from the research taking place within our Centre for Development Studies. This will allow you to engage with research informing international policy and practice.

### Placement

The placement year offers you valuable real life experience of issues you will have been studying. A year of professional work is highly valued by employers and may give you a strong advantage in the competitive job market when you graduate.

You can take placements in a governmental organisation or a non-governmental organisation (NGO) to match your personal and academic interests.

### Careers

The study of international development will provide you with an academic foundation for a career in a range of fields. These could include:

- governmental and international agencies
- non-governmental organisations
- development consultancies
- international businesses (especially in emerging markets)

It also provides a solid foundation for postgraduate training for journalism, teaching and business.



**“My placement at an INGO was an invaluable insight into the development sector. The direct responsibility to oversee projects in the Middle East gave me a sense of immense satisfaction and urgency, driving my passion to work in the field. Applying my theoretical knowledge while also learning key practical skills has better shaped my experience and understanding of the degree.”**

International Development with Economics student, Nabaa Zaynah, spent a year with the Al Khair Foundation; an international non-governmental organisation based in Croydon.

# International Development with Economics

53H3 BSc (Hons) Three years  
L407 BSc (Hons) Four years including placement year

## Entry requirements

Typical offer: AAB

### GCSE

7 or A in Mathematics and 6 or B in English (or equivalent from category A – see page 51).

### A level

AAB in three A levels.

### International Baccalaureate Diploma

36 points and 6, 6, 5 in three Higher Level subjects.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/int-dev-econ-20](http://go.bath.ac.uk/int-dev-econ-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
+44 (0)1225 383019

Understand the opportunities and constraints to international development. Examine economic, political, social and anthropological aspects.

This is an interdisciplinary degree where you will study the economic, political and social aspects of development. During the course you will be able to specialise in any of these aspects according to your interests. A focus on economics is maintained throughout because of its importance to international development as a field of work and the transferable work skills it provides.

In the first year you'll gain an understanding of international development from a range of disciplinary perspectives.

In the second year you will develop qualitative and quantitative skills with more advanced theoretical perspectives. You will apply these to a range of contexts and development challenges.

The final year allows you to specialise and select topics that most interest you. You will apply practical and research skills and perspectives to current problems of development. You can also maintain a focus on economic analysis.

## Key areas of study

### Year 1

Economics and the modern world economy | Development economics: microeconomic perspective | Social analysis and the politics of development | Research methods and data analysis\*

### Year 2

Development economics: macroeconomic perspective | Researching social change and the international politics of development | Development policy and practice

### Penultimate year

Optional placement year

### Final year

Dissertation | Global inequality: economic and political perspectives | Development finance

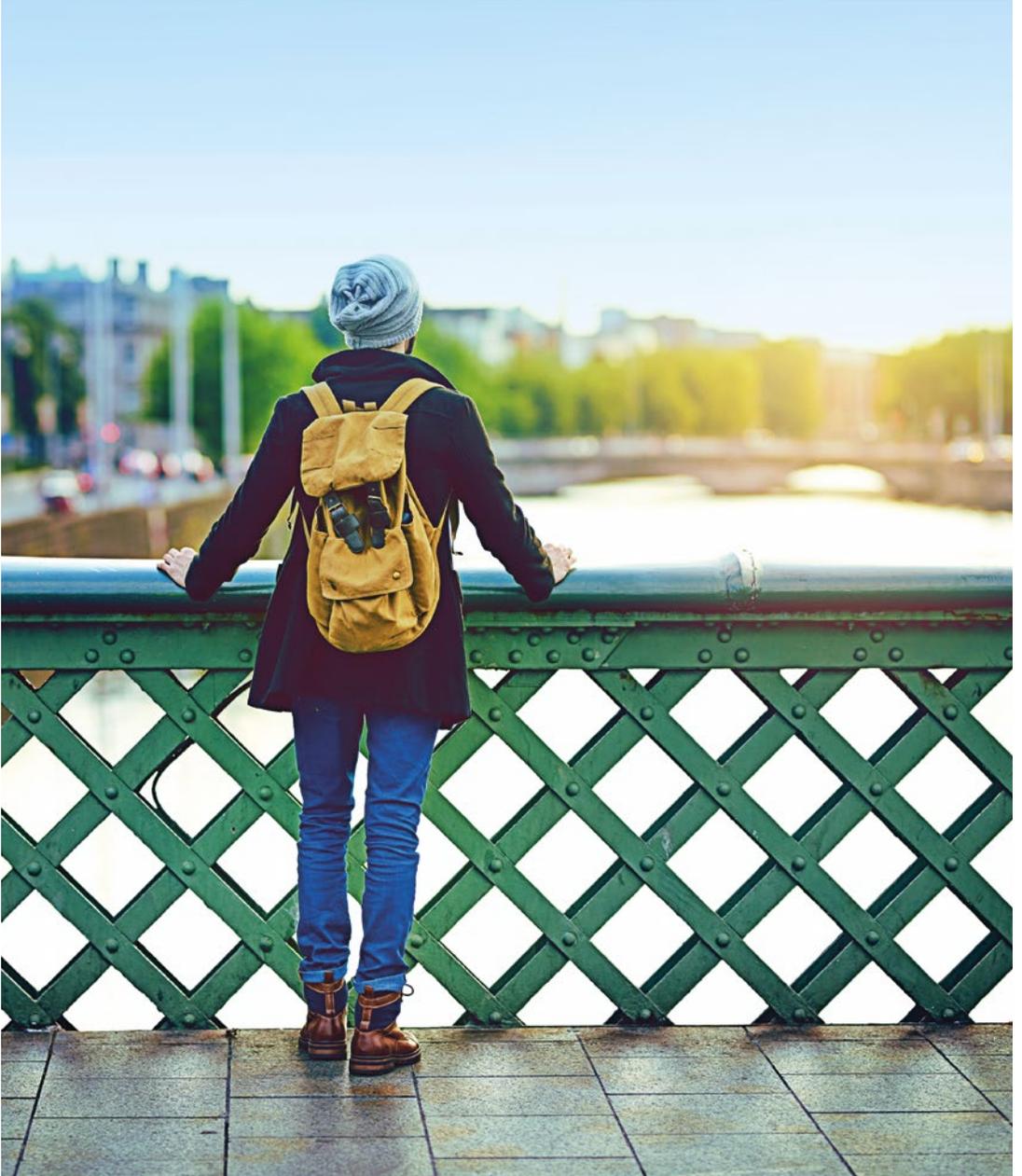
This course includes optional units in year 1, 2 and the final year in, for example, The social science of climate change, Civil society and NGOs in the developing world, and Social policy, welfare and the state.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Department for Environment, Food & Rural Affairs, Development Initiatives and World Hope International.

\*this key area will be studied throughout the course.

# Modern languages



## Languages are passports to life, enabling you to become a global citizen. You'll foster communication and broaden your knowledge of cultures and perspectives.

**100%** student satisfaction rate for BA (Hons) Modern Languages and European Studies (French and *ab initio* Italian) including Year Abroad in the National Student Survey 2018

**Top ten** for Graduate Prospects for French, German, Iberian Languages and Italian in the Complete University Guide 2019



**“I have absolutely loved my time abroad. You don't really realise until you're actually here, living the lifestyle, how good our degree is and good the opportunity is.”**

Susannah Tarrant, BA Modern Languages and European Studies (French and Spanish). Work placements in Paris and Madrid.

The study of foreign languages enables you to pursue many job opportunities both here in the UK and overseas. You will be able to read, write, listen and speak in your chosen languages.

You will study two languages during your degree. You must choose one advanced-level language from French, German or Spanish, plus a second advanced-level language or any one of the following *ab initio* (beginner) languages: French, German, Italian, Mandarin, Russian or Spanish.

We believe that your learning will be at its best through immersion in your chosen language. For this reason you will spend your third year abroad and we teach many of the final year units in the target language.

We have expertise on the present issues facing Europe and beyond. You will study the culture and explore the history and values of your countries of study.

### Teaching

You'll learn from academics with expertise in contemporary topics across culture, politics and modern languages. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience. You'll benefit from the research expertise of our staff in areas such as:

- cultural identity
- conflict and security
- populism and radicalism

### Careers

Our graduate career paths are wide-ranging. Some become professional linguists, working as teachers or as translators and interpreters in the European Parliament. Most find work in public and private sector institutions, where their communication skills and cultural and social awareness are highly valued.

Recent graduates of our former Modern Languages and European Studies degree course have found work at: British Council, University of Paris III; Sorbonne Nouvelle, Institute of Practitioners in Advertising, Hays and Volkswagen Group.

A high number of students choose to go directly into employment, while some pursue further study.

### Year abroad

Our students have completed a wide variety of interesting placements as part of their year abroad. Study abroad examples include: Institute of Political Studies (Strasbourg and Paris), University of Siena (Italy) and National University of General San Martin (Argentina).

Previous placements include: GE Power (France), European Parliament (Luxembourg), IT Comunicación (Spain), Di Palma Associati (Italy), Fujitsu (Germany) and The Bubble (Argentina). Our dedicated and experienced Placements Officer will support and guide you through the recruitment process to gain your placement.

# Modern Languages

R900 BA (Hons) Four years including year abroad

Prepare for an international career. Achieve fluency in your A-level language and pick up a new one. Deepen your knowledge and understanding of political and cultural issues.

This degree has a strong contemporary focus. You will have intensive language tuition in both languages throughout the course as well as exploring the evolution of politics and the current political environment within the countries of your chosen languages.

You'll gain a deep understanding of contemporary culture in these societies. You will develop highly valuable work-related skills enabling you to conduct research and analysis with confidence. You'll be able to communicate, debate and interact in your chosen languages at an advanced level.

Your *ab initio* (beginner) language allows you to quickly learn the language in your first two years at Bath in order to achieve the ability to study abroad in the third year. Your advanced language will enable you to engage with political and cultural issues in the target language and achieve high levels of fluency.

In years 1 and 2 you will explore the history and cultures of regions covered by your languages in the international context. You'll study key areas such as modernity, industrialisation, imperialism and war, giving you a genuine international perspective. In the final year you will be able to take optional units in the culture or politics of your chosen countries, taught mostly in the target language. These units are research-led and have a contemporary focus.

## Key areas of study

### Year 1

Written and spoken language | History, politics, culture and society (of chosen languages) in an international context

### Year 2

Written and spoken language | History, politics, culture and society (of chosen languages) in an international context

### Year 3

Year abroad

### Year 4

Written and spoken language

This course includes optional units in the final year that will enable you to specialise in subjects specific to your chosen country of study, taught mostly in the target language.

## Year abroad

A year abroad in your third year is an exciting part of the degree. On your year abroad you will spend time in the countries of your chosen languages, in Europe or beyond. You can choose to study at a foreign university, to work as a language assistant in a school abroad, or to undertake a work placement abroad. You also have the flexibility of a combination of any of these options.

## Entry requirements

Typical offer: AAB

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

AAB in three A levels.

For advanced language options, your A level subjects must include that language.

### International Baccalaureate Diploma

35 points and 6, 6, 5 in three Higher Level subjects.

For advanced language options, your Higher Level subjects must normally include that language.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

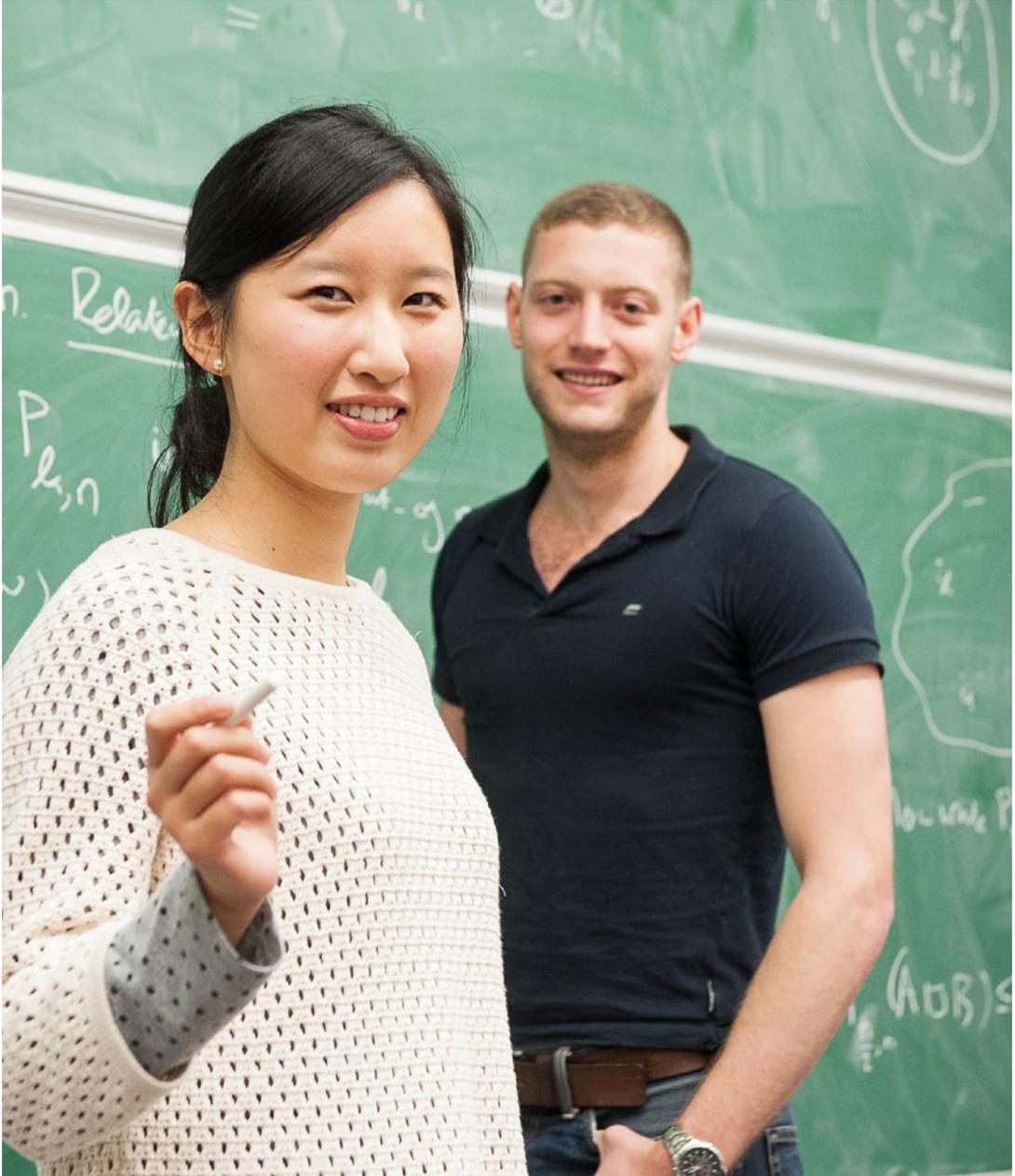
## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/mod-lang-20](http://go.bath.ac.uk/mod-lang-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

# Mathematical sciences

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## Mathematics and statistics underlie all the physical sciences and are increasingly important to social sciences and management.

Studying a mathematical sciences degree gives you the opportunity to put your mathematical knowledge and skills into practice to solve problems. You'll develop a theoretical understanding and key practical skills in mathematics, statistics and computing.

### Teaching

You'll learn from academics with expertise in different areas of mathematical sciences, including algebra and geometry, analysis, applied and interdisciplinary mathematics, numerical analysis and scientific computing, statistics and probability. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

### Careers

You'll be able to go into a wide variety of careers including in the finance sector as an accountant, actuary or analyst, as a statistician in government or teaching. You'll also be well suited to roles developing software in commerce or the technology sector.

Recent employers include Aviva, British Telecom, Deloitte, EY, PwC and Tate & Lyle. Many of our graduates also choose to go on to postgraduate study in preparation for academic or industry-based research careers.

### Facilities

You'll be able to access our Maths and Statistics Help (MASH) centre to get help with revision, tests and coursework. A final-year option also provides the opportunity to use our high-performance computing facility 'Balena', which can perform over 110 trillion calculations a second.

### Placements

Going on placement gives you the opportunity to apply your skills and knowledge to a year working professionally. You'll be employed full-time in a role to match your future career ambitions, broadening your experience and transferable skills. This could give you a competitive edge when applying for graduate jobs.

We have links with some of the industry's leading companies. Recent placement employers include BAE Systems, EY, Office of National Statistics, JP Morgan and Deloitte.

**Top ten** for graduate prospects for mathematics in the Complete University Guide 2019

**Top ten** for mathematics in the Complete University Guide 2019



**"If you're hungry for responsibility and keen to learn about how you operate in a business environment, a placement will be ideal for you."**

Lily Hemmett,  
BSc Mathematical Sciences  
(on placement at Enterprise Rent-A-Car)

# Mathematical Sciences

G140 BSc (Hons) Three years

G141 BSc (Hons) Four years including placement year

G142 BSc (Hons) Four years including study year abroad

## Entry requirements

Typical offer: A\*AA

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*A in Mathematics and Further Mathematics plus either A in a third A level or B in a third A level and grade 2 in any STEP.

We may also consider your performance in the Maths Admissions Test (MAT) in place of a STEP.

We prefer applicants with A level Further Mathematics. Alternative offers are available online if you have not studied Further Mathematics at A level.

### International Baccalaureate

36 points and 7, 6, 6 in three Higher Level subjects including 6 in Mathematics or 7, 6, 5 in three Higher Level subjects including 7 in Mathematics.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/maths-20](https://go.bath.ac.uk/maths-20)

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[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

Develop a broad foundation of theory and practical skills in mathematics, statistics and computing, preparing you for specialist and non-specialist careers.

Mathematical Sciences combines traditional mathematics with statistics and computing. This course is for you if you'd like to keep your options open and study a broader range of topics.

In the first two years, you'll explore an introduction to mathematics at university level before choosing areas in which you'd like to specialise in later in the course. In year two, you'll also have the option to study computing, physics and economics units run by other departments.

As with all of our mathematics courses, you will have the option to switch after the first year, so you can keep your options open when you apply.

You'll develop the knowledge and practical skills appropriate to a technical career as well as receiving good training in analytical thinking. This combination means you will also be well-suited to non-specialist careers such as computing, financial services and management.

## Key areas of study

### Year 1

Analysis | Programming and discrete mathematics | Algebra | Probability and statistics | Methods and applications

### Year 2

Algebra | Analysis | Ordinary differential equations and control | Numerical analysis | Modelling and dynamical systems | Vector calculus and partial differential equations | Probability | Statistics

Two of the ten units studied are compulsory. Options are available in pure and applied mathematics, statistics and other subjects (most commonly economics, computer science, physics and accounting).

### Final year

You'll study further optional units.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent placement employers include BAE Systems, Office of National Statistics and JP Morgan.

## Study abroad

You can opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath.

# Mathematics

- G100 BSc (Hons) Three years  
 G101 BSc (Hons) Four years including placement year  
 G105 BSc (Hons) Four years including study year abroad  
 G103 MMath (Hons) Four years  
 3FG4 MMath (Hons) Five years including placement year  
 G104 MMath (Hons) Four years including study year abroad

Gain specialist knowledge in pure and/or applied mathematics, preparing you for a variety of technical and non-specialised careers.

Mathematics underlies all the physical sciences and is increasingly involved in biological sciences, social sciences and management. It is needed to make quantitative predictions from scientific theories.

You'll specialise in pure and/or applied mathematics whilst having the option to study units in statistics, computing, physics, and economics.

As with all of our mathematics courses, you will have the option to switch after the first year, so you can keep your options open when you apply.

You'll develop the specialist skills and knowledge for a technical career as well as receiving good training in analytical thinking. This combination of skills and knowledge means you will also be well-suited to non-specialist careers such as computing, financial services and management.

## Key areas of study

### Year 1

Analysis | Programming and discrete mathematics | Algebra | Probability and statistics | Methods and applications

### Year 2

Algebra | Analysis | Ordinary differential equations and control | Numerical analysis | Modelling and dynamical systems | Vector calculus and partial differential equations | Probability | Statistics

Eight of the ten units studied on the BSc course are compulsory. Four of the ten units studied on the MMath course are compulsory. Options are available in pure and applied mathematics, statistics and other subjects (most commonly economics, computer science, physics and accounting).

### Final year (BSc)

You'll study optional units mostly from pure and applied mathematics.

## Master's option

If you want a more in-depth study experience, you could consider applying for our MMath Mathematics course. It provides you with the same core skills and knowledge of the BSc but with a greater exposure to research.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent placement employers include BAE Systems, Office of National Statistics and JP Morgan.

## Study abroad

You can opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath.

## Entry requirements

Typical offer: A\*AA

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*A in Mathematics and Further Mathematics plus either A in a third A level or B in a third A level and grade 2 in any STEP.

We may also consider your performance in the Maths Admissions Test (MAT) in place of a STEP.

We prefer applicants with A level Further Mathematics. Alternative offers are available online if you have not studied Further Mathematics at A level.

### International Baccalaureate

36 points and 7, 6, 6 in three Higher Level subjects including 6 in Mathematics or 7, 6, 5 in three Higher Level subjects including 7 in Mathematics.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/maths-20](https://go.bath.ac.uk/maths-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

# Mathematics and Statistics

GG13 BSc (Hons) Three years

GG31 BSc (Hons) Four years including placement year

GG32 BSc (Hons) Four years including study year abroad

## Entry requirements

**Typical offer: A\*AA**

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*A in Mathematics and Further Mathematics plus either A in a third A level or B in a third A level and grade 2 in any STEP.

We may also consider your performance in the Maths Admissions Test (MAT) in place of a STEP.

We prefer applicants with A level Further Mathematics. Alternative offers are available online if you have not studied Further Mathematics at A level.

### International Baccalaureate

36 points and 7, 6, 6 in three Higher Level subjects including 6 in Mathematics or 7, 6, 5 in three Higher Level subjects including 7 in Mathematics.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/maths-20](https://go.bath.ac.uk/maths-20)

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 +44 (0)1225 383019

## Gain a broad and balanced foundation of theory and practical skills in mathematics with a particular focus on statistics.

This course is for you if you would like to study statistics and have a significant interest in mathematics. You'll be trained how to analyse problems and interpret patterns in data to make careful predictions about the future.

In the first year you'll gain an introduction to university-level mathematics and statistics before focussing more on statistics in the second year. In the final year you'll choose from a wide range of optional units to match the areas in which you would like to specialise. These units are available across pure mathematics, applied mathematics and probability and statistics.

As with all of our mathematics courses, you will have the option to switch after the first year, so you can keep your options open when you apply.

You'll develop solid logical, analytical and practical problem-solving skills sought by employers. This broad knowledge and set of skills will prepare you not only for technical roles, but non-specialist careers such as computing, financial services and management as well.

## Key areas of study

### Year 1

Analysis | Programming and discrete mathematics | Algebra | Probability and statistics | Methods and applications

### Year 2

Algebra | Analysis | Ordinary differential equations and control | Numerical analysis | Modelling and dynamical systems | Vector calculus and partial differential equations | Probability | Statistics

Eight units of ten are compulsory in a range of pure and applied mathematics, and statistics.

### Final year

Generalised linear models

You'll also study a balanced set of options in pure and applied mathematics, and statistics.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent placement employers include BAE Systems, the Office of National Statistics and JP Morgan.

## Study abroad

You can opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath.

# Statistics

G300 BSc (Hons) Three years

G301 BSc (Hons) Four years including placement year

G302 BSc (Hons) Four years including study year abroad

Develop the skills and knowledge needed to become a practising statistician. You'll also gain a sound foundation in mathematics and computing.

Statistics is the collection, analysis and interpretation of data and is central to areas such as scientific progress, government and sound medical research. You'll gain the skills and knowledge needed to work as a statistician.

The first two years will provide an introduction to mathematics at university level before giving you the option to specialise later in the course. In year two, you will also have the option to study computing and economics units run by other departments. Final year topics include medical statistics, experimental design and multivariate data analysis as well as more theoretical topics such as statistical inference.

As with all of our mathematics courses, you will have the option to switch after the first year, so you can keep your options open when you apply.

## Key areas of study

### Year 1

Analysis | Programming and discrete mathematics | Algebra | Probability and statistics | Methods and applications

### Year 2

Algebra | Analysis | Ordinary differential equations and control | Numerical analysis | Modelling and dynamical systems | Vector calculus and partial differential equations | Probability | Statistics

Six units are compulsory in core areas of pure mathematics and statistics.

### Final year

Generalised linear models | Applied statistics

You'll also choose from a range of optional units to complement these areas, mostly from statistics.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent placement employers include BAE Systems, the Office of National Statistics and JP Morgan.

## Study abroad

You can opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath.

## Entry requirements

Typical offer: A\*AA

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*A in Mathematics and Further Mathematics plus either A in a third A level or B in a third A level and grade 2 in any STEP.

We may also consider your performance in the Maths Admissions Test (MAT) in place of a STEP.

We prefer applicants with A level Further Mathematics. Alternative offers are available online if you have not studied Further Mathematics at A level.

### International Baccalaureate

36 points and 7, 6, 6 in three Higher Level subjects including 6 in Mathematics or 7, 6, 5 in three Higher Level subjects including 7 in Mathematics.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/maths-20](http://go.bath.ac.uk/maths-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

# Mechanical engineering



## Mechanical engineering combines mathematics and scientific analysis with creative thinking to design and manufacture machines, technologies and systems.

Many of the products, processes and technologies that make our world a better place rely on mechanical engineering. It plays an important role across a range of industries including aerospace, manufacturing, medicine, renewable energy and Formula 1. There is little in our daily lives that isn't touched by innovations in these areas. From the cars we drive, to the mobile phones we use, even to the way our food is processed.

Mechanical engineers are not afraid to push boundaries. They bring together creativity and design with scientific knowledge to test the limits of what is possible. At Bath, we want to inspire and equip you to take on new challenges and advance mechanical engineering. We give you the tools to do this by complementing your engineering knowledge with practical and transferable skills such as design, business and management. We also include an optional placement year on all our courses so you can gain professional experience during your degree.

We have a solid reputation for research collaboration with industry and this feeds into our teaching. We regularly review our courses with input from industry to make sure that we give you a study experience informed by modern industrial practice.

When you graduate, you'll have the technical leadership, initiative and interpersonal skills to pursue a professional career in engineering. You could be making your impact on the world by designing low-carbon vehicles, testing new materials, advancing biomedical science or developing the aircraft of the future.

### Teaching

You'll learn from academics with expertise in mechanical engineering and established links with industry. They have knowledge in diverse areas including design, manufacture, biomechanics, materials, automotive and aerospace. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

### Careers

Our graduates have many skills that make them attractive to prospective employers, including teamwork, problem solving, creativity and numeracy. They hold specialist and managerial roles in high technology industries in engineering and manufacturing. Many of our graduates continue their studies with us or at other universities to pursue academic and research careers. Some of our graduates have gone on to work at international companies including Dyson, Rolls Royce, Google, Airbus, Unilever and nPower.

**2nd** for Mechanical Engineering in the *Guardian University Guide 2019*

**3rd** for graduate prospects for Mechanical Engineering in the *Complete University Guide 2019*

**Top 5** for Mechanical Engineering in *The Times and Sunday Times Good University Guide 2019*



**“At Bath, we are taught to be extremely technically talented. But getting involved in projects like Bath Zero really reinforces what we learn on paper.”**

Nadia Domanski, MEng (Hons) Mechanical Engineering with placement year

# Aerospace Engineering

H400 MEng (Hons) Four years

H423 MEng (Hons) Five years including a placement year

## Entry requirements

**Typical offer: A\*AA**

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*AA including Mathematics and Physics with A\* in Mathematics or Physics (or Further Mathematics if applicable).

### International Baccalaureate Diploma

36 points and 7, 6, 6 in three Higher Level subjects including Mathematics and Physics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/mech-eng-20](http://go.bath.ac.uk/mech-eng-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
**+44 (0)1225 383019**

## Professional accreditations

Accredited by the Royal Aeronautical Society (RAeS) and the Institution of Mechanical Engineers (IMechE), licensed by the Engineering Council, to fully meet the academic requirements for a Chartered Engineer.

## Understand the foundations of aerospace engineering science and explore the latest thinking in aircraft design and manufacture.

The first two years of this course give you a detailed understanding of core mechanical engineering principles. You'll learn how to use mathematics and computing to assess engineering systems, and develop knowledge in design and manufacturing processes.

You'll study aircraft performance, control and structures, aerodynamics, propulsion and helicopter aerodynamics. Lectures are balanced with laboratory work to give you the skills you need to build, analyse and test a product. So that you can develop a full understanding of aircraft from design to manufacture, you'll visit an aerospace manufacturing company and take a flight test course at a local airfield.

At Bath, we focus on giving you opportunities to apply what you've learnt through practical project work. This helps you develop the set of skills needed by professional engineers. You'll work on a group project to design a new aircraft to a specification given by industry or for entry into a competition such as the annual Unmanned Aircraft Systems Challenge.

In your final year, you'll choose from a range of specialist units and complete an individual research project that could be based on simulation, experimentation or design.

## Key areas of study

### Year 1

Experimentation, engineering skills and applied engineering | Thermodynamics | Solid mechanics\* | Design materials and manufacturing\* | Mathematics\* | Fluid mechanics | Instrumentation, electronics and electrical drives

### Year 2

Systems and control | Modelling techniques\* | Design\* | Fluid dynamics | Thermal power and heat transfer | Manufacturing operations and technology

### Penultimate year

Aerodynamics | Aircraft stability & control | Aerospace structures | Aircraft propulsion | Aircraft performance | Aerospace group business and design project\*

### Final year

Engineering project | Advanced helicopter dynamics | Plus optional units

## Studying a master's

Studying an MEng gives you an in-depth study experience through advanced taught units and project work. It also fulfil the educational requirements you need to become a Chartered Engineer.

## Work placements

We also offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Airbus, Rolls Royce and Red Bull Technology.

\*these key areas will be studied throughout the course.

# Integrated Design Engineering

H761 MEng (Hons) Four years  
H762 MEng (Hons) Five years including a placement year

**Integrate mechanical, electrical and software skills to develop innovative products. You'll be equipped for a career as a multidisciplinary design engineer.**

Our course is for creative engineers who want to explore product development, machines and systems. You'll investigate the relationship between engineering and design to produce new products that are both marketable and functional. We want to inspire you to make the world better by designing and building the products of the future.

In your first two years, you'll develop a detailed understanding of mechanical engineering. You'll use mathematics and computing to analyse engineering systems and study design and manufacturing processes. Specialist units encourage you to take a hands-on approach to engineering design. You'll work with other students in studios, labs and workshops to experiment with design and production. 'Design-make-test' activities give you practical experience of designing, building and testing prototypes.

At Bath, project work is central to your study experience. This gives you the chance to put theory into practice and use initiative to solve complex engineering problems. The high-level technical, management, communication and design skills you'll develop will prepare you for the workplace.

## Key areas of study

### Year 1

Experimentation, engineering skills and applied engineering | Thermodynamics | Solid mechanics\* | Design materials and manufacturing\* | Mathematics\* | Fluid mechanics | Instrumentation, electronics and electrical drives

### Year 2

Systems and control | Modelling techniques\* | Design\* | Fluid dynamics | Thermal power and heat transfer | Manufacturing operations and technology

### Penultimate year

User-centred design project | Mechatronic design project | Product design and development | Reverse engineering for disruptive innovation | Group business and design project 1 and 2 | Plus optional unit

### Final year

Mechatronic design project | Design optimisation project | Major individual design project 1 and 2 | Plus optional units

## Studying a master's

Studying an MEng gives you an in-depth study experience through advanced taught units and project work. It also fulfil the educational requirements you need to become a Chartered Engineer.

## Work placements

We also offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Dyson, Google and Unilever.

\*these key areas will be studied throughout the course.

## Entry requirements

**Typical offer: A\*AA**

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*AA including Mathematics and Physics with A\* in Mathematics or Physics (or Further Mathematics if applicable).

### International Baccalaureate Diploma

36 points and 7, 6, 6 in three Higher Level subjects including Mathematics and Physics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/mech-eng-20](http://go.bath.ac.uk/mech-eng-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
**+44 (0)1225 383019**

## Professional accreditations

Accredited by the Institution of Engineering and Technology (IET). Also accredited by the Institution of Mechanical Engineers (IMechE) and the Institution of Engineering Designers (IED), under licence from the UK regulator, the Engineering Council, to fulfil the educational requirements for a Chartered Engineer (CEng).

# Mechanical Engineering

H306 MEng (Hons) Four years

H309 MEng (Hons) Five years including a placement year

## Entry requirements

**Typical offer: A\*AA**

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*AA including Mathematics and Physics with A\* in Mathematics or Physics (or Further Mathematics if applicable).

### International Baccalaureate Diploma

36 points and 7, 6, 6 in three Higher Level subjects including Mathematics and Physics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/mech-eng-20](http://go.bath.ac.uk/mech-eng-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
**+44 (0)1225 383019**

## Professional accreditations

Accredited by the Institution of Mechanical Engineers (IMechE), licensed by the Engineering Council, to fully meet the academic requirements for a Chartered Engineer.

## Combine numeracy with detailed subject knowledge and initiative to solve complex engineering problems that improve the world we live in.

Our course teaches you how to use physical science, mathematics and computing to assess engineering systems. You'll combine this with study in design and manufacturing processes to understand how modern industry works.

Your first two years give you a detailed understanding of mechanical engineering. You'll learn how to incorporate design into the science, manufacturing and management elements of engineering. You can apply this knowledge to analyse, build and test a product from scratch.

At Bath, practical project work is central to your study experience. They are a chance for you to put theory into practice and gain experience in engineering enterprise management. You can join one of our teams to take part in international competitions such as Formula Student or the Isle of Man TT Zero.

A wide selection of optional units lets you specialise in your final year. These include aerospace, automotive, design, manufacturing, environmental or medical engineering. The broad engineering curriculum develops your professional skills to pursue a career in a host of industries.

## Key areas of study

### Year 1

Experimentation, engineering skills and applied engineering | Thermodynamics | Solid mechanics\* | Design materials and manufacturing\* | Mathematics\* | Fluid mechanics | Instrumentation, electronics and electrical drives

### Year 2

Systems and control | Modelling techniques\* | Design\* | Fluid dynamics | Thermal power and heat transfer | Manufacturing operations and technology

### Penultimate year

Control systems | Structural mechanics | Mechanical vibrations and noise | Heat transfer | Materials selection in engineering design | Group business and design project 1 and 2

### Final year

Engineering project | Plus optional units

## Studying a master's

Studying an MEng gives you an in-depth study experience through advanced taught units and project work. It also fulfils the educational requirements you need to become a Chartered Engineer.

## Work placements

We also offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Atkins Global, Dyson and Rolls-Royce.

\*these key areas will be studied throughout the course.

# Mechanical with Automotive Engineering

H330 MEng (Hons) Four years  
H343 MEng (Hons) Five years including a placement year

**Specialise in vehicle design, performance, analysis and systems. Develop the engineering skills for a career in automotive and motorsport industries.**

Our course is for engineers who want to apply fundamental mechanical engineering knowledge to improve technologies in the automotive industry including areas such as cost, emissions, performance and materials.

Your first two years introduce you to the foundations of mechanical engineering to support your understanding of the subject. Using physical science, mathematics and computing, you'll learn how to assess engineering systems. You'll study vehicle design, manufacturing processes and component analysis in the context of the automotive market. A range of specialist units in your final year allow you to choose where you want to advance your knowledge.

At Bath, project work is central to your study experience. They are a chance for you to use and share your knowledge, initiative and creativity to solve complex engineering problems. You could join our award-winning Formula student team, Team Bath Racing. As part of the team, you'll contribute to the design and build of a single-seat racing car and enter in the annual International Formula Student competition.

## Key areas of study

### Year 1

Experimentation, engineering skills and applied engineering | Thermodynamics | Solid mechanics\* | Design materials and manufacturing\* | Mathematics\* | Fluid mechanics | Instrumentation, electronics and electrical drives

### Year 2

Systems and control | Modelling techniques\* | Design\* | Fluid dynamics | Thermal power and heat transfer | Manufacturing operations and technology

### Penultimate year

Control systems | Structural mechanics | Internal combustion engine technology | Vehicle dynamics | Vehicle engineering | Group business and design project 1 and 2

### Final year

Engineering project | Powertrain and transportation systems | Turbocharging and engine boosting | Plus optional units

## Studying a master's

Studying an MEng gives you an in-depth study experience through advanced taught units and project work. It also fulfils the educational requirements you need to become a Chartered Engineer.

## Work placements

We also offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Airbus, Unilever and nPower.

## Entry requirements

**Typical offer: A\*AA**

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*AA including Mathematics and Physics with A\* in Mathematics or Physics (or Further Mathematics if applicable).

### International Baccalaureate Diploma

36 points and 7, 6, 6 in three Higher Level subjects including Mathematics and Physics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/mech-eng-20](http://go.bath.ac.uk/mech-eng-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
+44 (0)1225 383019

## Professional accreditations

Accredited by the Institution of Mechanical Engineers (IMechE), licensed by the Engineering Council, to fully meet the academic requirements for a Chartered Engineer.

\*these key areas will be studied throughout the course.

# Mechanical Engineering with Manufacturing and Management

H716 MEng (Hons) Four years

H713 MEng (Hons) Five years including a placement year

## Entry requirements

Typical offer: A\*AA

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*AA including Mathematics and Physics with A\* in Mathematics or Physics (or Further Mathematics if applicable).

### International Baccalaureate Diploma

36 points and 7, 6, 6 in three Higher Level subjects including Mathematics and Physics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/mech-eng-20](http://go.bath.ac.uk/mech-eng-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
**+44 (0)1225 383019**

## Professional accreditations

Accredited by the Institution of Mechanical Engineers (IMechE) and the Institution of Engineering and Technology (IET) under licence from the UK regulator, the Engineering Council, to fulfil the educational requirements for a Chartered Engineer (CEng).

**Learn how engineering, manufacturing and management work together in industry. Gain expertise in product creation processes from design to end manufacture.**

Our course develops your understanding of the sciences and disciplines relating to manufacturing. You'll study engineering, manufacturing and management to understand their role in production processes.

We draw on our links with industry to build your knowledge of the integrated systems, processes and technologies used in advanced manufacturing. Learning about the latest engineering developments will inspire you to explore ways to produce high quality products at a low cost.

Your first two years give you a detailed understanding of mechanical engineering. You'll combine this with physical science, mathematics and computing to analyse engineering systems. You'll translate ideas into practice through project work, where you'll take imaginative approaches to solve complex engineering problems. You could explore new business or engineering technologies in areas such as sports and leisure equipment, medical devices, or data management.

In your final two years, you'll study specialist units including project management, business processes, costing and managing human resources. When you graduate, you'll understand how to design, operate and control manufacturing systems.

## Key areas of study

### Year 1

Experimentation, engineering skills and applied engineering | Thermodynamics | Solid mechanics\* | Design materials and manufacturing\* | Mathematics\* | Fluid mechanics | Instrumentation, electronics and electrical drives

### Year 2

Systems and control | Modelling techniques\* | Design\* | Fluid dynamics | Thermal power and heat transfer | Manufacturing operations and technology

### Penultimate year

Computer integrated manufacturing | Business processes | Costing for engineering design and manufacture | Advanced manufacturing and assembly | Project management | Group business and design project 1 and 2

### Final year

Engineering project | Modelling and analysis of manufacturing systems | Plus optional units

## Studying a master's

Studying an MEng course gives you an in-depth study experience through advanced taught units and project work. It also fulfils the educational requirements you need to become a Chartered Engineer.

## Work placements

We also offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Dyson, Rolls Royce and Google.

\*these key areas will be studied throughout the course.

# Natural sciences

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## Natural sciences is multidisciplinary. You'll be able to study across the subjects of biology, biochemistry, chemistry, pharmacology and physics.

Rankings for some of the departments that contribute to our courses

**Top ten** for mathematics in the Complete University Guide 2019

**Top ten** for pharmacy and pharmacology in the Complete University Guide 2019

**Top ten** for graduate prospects for physics and astronomy in The Times and Sunday Times Good University Guide 2019



**“If anyone had told me at 17 years old when I was applying to universities that at 21, I would be working as a professional researcher with wild elephants, I would never have believed them.”**

Helen Mylne, BSc Natural Sciences (graduated 2018)

By studying natural sciences, you can play to your strengths by building your own portfolio of units. You'll be able to shape your own degree and level of specialisation to suit your career plans. You can even broaden your course further by taking non-science subjects such as management or education.

### Teaching

You'll learn from academics with expertise in biology, biochemistry, chemistry, environmental science, pharmacology and physics. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

### Facilities

You'll learn alongside single-honours students in the subjects you choose, with access to the wide range of laboratories and specialised facilities provided by the individual departments you're studying in.

### Careers

By studying across a range of subjects, you'll gain the breadth of knowledge and practical skills to tackle problems from different angles. These abilities are highly valued by employers. You could go into a wide range of careers, from working in scientific and manufacturing industries or research and development, to roles in management, marketing, sales, purchasing, patenting and environmental management.

Recent employers include Deloitte, BP and the World Health Organisation. Many of our graduates also choose to go on to postgraduate study in preparation for academic or industry-based research careers.

### Placements

Going on placement gives you the opportunity to apply your skills and knowledge to a year working professionally. You'll be employed full-time in a role to match your future career ambitions, broadening your experience and transferable skills. This could give you a competitive edge when applying for graduate jobs.

We have links with some of the industry's leading companies. Recent placement employers include Intrinsic, CERN, EY, Wessex Water, GlaxoSmithKline and European Synchrotron Radiation Facility (ESRF).

# Natural Sciences

- CFG0 BSc (Hons) Three years  
 FCG0 BSc (Hons) Four years including placement year  
 GCF0 BSc (Hons) Four years including study year abroad  
 GFC0 MSci (Hons) Four years  
 GFCA MSci (Hons) Five years including placement year  
 GFCB MSci (Hons) Five years including study year abroad

Gain a wide range of skills and intellectual experience in core science subjects. You'll have the flexibility to shape your degree to your career aspirations.

This is the course for you if you love studying natural sciences (chemistry, biology, physics) at school or college and want to maintain your breadth of study. You can design your own degree to suit your interests and strengths. You'll be able to take your existing scientific skills further, explore new areas and apply what you've learnt in practical and relevant ways.

Employers will value your ability to bring problem-solving skills from a variety of different angles. You'll graduate with the breadth of knowledge and practical skills to prepare you for a career in industry or for postgraduate research. If you decide during the first year your interests fit better within a single science, you may transfer to year two of biology, biochemistry, chemistry, pharmacology or physics following successful completion of a year one double stream in that subject.

## Key areas of study

Major subjects are chosen from biology, biochemistry, chemistry, environmental science, pharmacology and physics. Minor subjects are chosen from the same list. Options are more science, mathematics, psychology, management or education units. Regardless of the major or minor you choose, you will take a final year project as a compulsory unit in your final year.

Studying a maths stream is required to support the study of physics but optional if you want to use your maths to support the study of the life sciences. You can design your perfect course before you enrol using our online course selection tool. Here you'll find the full range of subject combinations and units available.

## Master's options

If you want a more in-depth study experience, you could consider applying for one of our MSci Natural Sciences courses. It provides you with the same core sciences but in more depth than the BSc and with greater exposure to current research.

## Work placements

We also offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent placement employers include EY, GlaxoSmithKline and the European Synchrotron Radiation Facility (ESRF).

## Study abroad

You can opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath.

## Entry requirements

Typical offer: A\*AA

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*AA in three A levels including Mathematics and two subjects from Biology, Chemistry and Physics.

### International Baccalaureate Diploma

36 points and 7, 6, 6 in three Higher Level subjects including Mathematics and two subjects from Biology, Chemistry and Physics.

You may be considered if you are studying Mathematics or one of these science subjects at Standard Level.

See page 53 for alternative offers including EPQs or the Welsh Baccalaureate.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/nat-sci-20](https://go.bath.ac.uk/nat-sci-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

# Pharmacology

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# Pharmacology is the study of the effects of drugs on the body. You'll learn how to develop effective treatments for both human and animal diseases.

Pharmacologists play a vital role in increasing our understanding and development of treatments for a wide range of diseases, from headaches or allergies to global issues such as cancer, arthritis and dementia. As a Pharmacology student, you'll develop a broad knowledge and skills base by exploring how chemicals can impact the function of living systems at the molecular, cellular, tissue or whole body level.

## Teaching

You'll learn from active researchers who specialise in different areas of pharmacological sciences, including drug and target discovery, pharmacological evaluation and medicines design. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

## Careers

Graduates are well suited to research careers within the pharmaceutical industry and many also choose to go on to postgraduate study. You'll benefit from our strong links with the pharmaceutical industry, with recent employers including GlaxoSmithKline, AstraZeneca, and UCB.

## Facilities

You'll develop key practical skills in our dedicated pharmacology laboratory, where you will gain experience in a wide range of traditional and molecular laboratory techniques. You'll also have the opportunity to complete the Home Office Licence Module Training Course during your degree.

## Placements

We're the only UK university to offer an integrated year-long placement as part of a four year undergraduate master's degree in Pharmacology.

A placement is an opportunity for you to apply your skills and knowledge to a year working in industry or academia. You'll be employed full-time in a role to match your future career ambitions. It will broaden your experience and transferable skills, giving you a competitive edge when applying for graduate jobs.

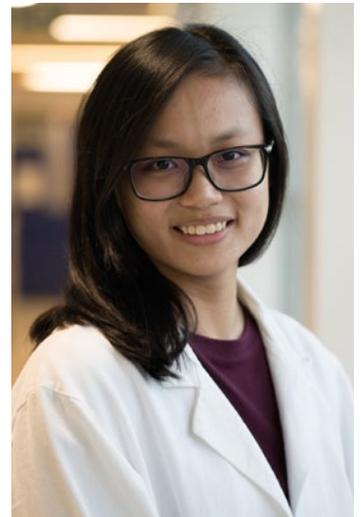
We have strong links with some of the industry's leading companies. Recent placement employers include MedImmune, Boehringer Ingelheim and Kymab.

100% of pharmacology students to date have successfully secured a placement.

**Top ten** for pharmacy and pharmacology in The Times and Sunday Times Good University Guide 2019

**Top ten** for pharmacy and pharmacology in the Complete University Guide 2019

**Top ten** for research quality for pharmacy and pharmacology in the Complete University Guide 2019



**“Studying Pharmacology at Bath has allowed me to gain a deeper understanding of the drug discovery pipeline and how medicines work. I like that there is a focus on lab work and I get placement opportunities in top pharmaceutical companies.”**

Jasmine Sim,  
MPharmacology

# Pharmacology

B210 BSc (Hons) Three years

B213 MPharmacol (Hons) Four years including integrated placement year

## Entry requirements

Typical offer: AAB

### GCSE

4 or C in Mathematics and 4 or C in English (or equivalent from category B – see page 51).

### A level

AAB including Chemistry and one other science or mathematics subject.

### International Baccalaureate Diploma

36 points and 6, 6, 5 in three Higher Level subjects including Chemistry and one other science or mathematics subject.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/pharmacol-20](http://go.bath.ac.uk/pharmacol-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
**+44 (0)1225 383019**

Learn to develop more effective treatments for diseases and discover how molecules may modify living systems. You'll be trained to become a research scientist.

If you love lab work and the idea of discovering how molecules may modify living systems, this is the degree for you.

You'll gain knowledge of the fundamental principles of chemistry, biology and the physical sciences and be able to apply these principles to specific problems in pharmacology. Through our hands-on classes, you'll develop practical laboratory skills.

This course will provide you with an integrated view of drug action linked to disease-related functions of the major organ systems.

You'll be trained to be a high quality, innovative and independent research scientist. As a pharmacologist, you can go on to work on the development of new treatments for both human and animal diseases.

## Key areas of study

### Year 1

Research and scientific communication for pharmacologists | Molecules to medicines | The healthy body | Experimental pharmacology

### Year 2

Pharmacology of the central nervous system | Drug discovery | Pharmacokinetics | Cell regulation and function: receptors to genes | Experimental pharmacology | Cardiovascular, renal and peripheral nervous system pharmacology | Infection and immunity

### Final year

Research project | Molecular applications in pharmacology | Recent advances in drug discovery | Advanced topics, trends and technologies in pharmacology

This course also includes optional units in the final year.

## Work placements

The MPharmacol course includes an integrated placement year undertaken in research labs in industry, research institutes or academia.

The BSc course gives you the option to apply to extend your course to include a placement in your third year. BSc placements can be lab based or in a related area of the field, so you can widen your experience and apply to work in areas requiring a pharmacology background, such as marketing, patent applications or clinical trials.

# Pharmacy



**Top ten** for pharmacy and pharmacology in the Complete University Guide 2019

**Top 5** for research quality for pharmacy and pharmacology in the Complete University Guide 2019

**Top ten** for pharmacy and pharmacology in The Times and Sunday Times Good University Guide 2019

## Train as a healthcare professional in all aspects of medicines design and use. A pharmacist has a valued role as a member of a multidisciplinary healthcare team.

Medicines play a vital role in optimising patient health. As a pharmacy student, you will gain a unique knowledge of both the scientific development and clinical use of medicines. You'll develop consultation and decision making skills, allowing you to support patients and prescribers in the optimal use of medicines.

### Teaching

You'll be taught by active researchers who specialise in different areas of pharmaceutical science, including drug and target discovery, medicines design, and health and clinical research. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience. Clinical teaching is also delivered by a team of experienced teacher practitioners.

### Facilities

You'll develop professional skills in the safe and supportive environment of our specially designed Pharmacy Practice Suite and new Pharmacy Practice Simulation Suite. These include consultation rooms where you can take part in role-playing exercises with patients played by staff or professional actors, and robotic patients.

You'll also have inter-professional learning sessions with medical, nursing, psychology and social work students. These will help to build your confidence and improve your understanding of your professional practice role.

### Careers

We are the only School of Pharmacy within the South West and our graduates are in high demand within the region. They also consistently achieve high pass rates in the registration assessment set by the General Pharmaceutical Council.

Career opportunities range from research and drug development roles within industry and academia, to patient-facing clinical roles within community, hospitals or primary care. You'll benefit from our strong and established links with the pharmaceutical industry, NHS providers and leading community pharmacy employers such as Boots, Lloyds and Day Lewis. Many graduates also return to the University to complete our postgraduate diplomas or prescribing qualifications.

### Placements

In year four of your degree, you'll undertake an extensive research project, studying alongside researchers in the Department or on a 12-week placement with an international partner organisation. There are placement opportunities available in Europe, Australia, New Zealand, the United States and Brazil.



**“During the final year of my course, I will be spending a semester in Sydney to complete my master’s project. After graduating I hope to complete my pre-registration year in a hospital and eventually be able to get involved in more research.”**

Yasmin Kafaei Shirmanesh,  
MPharm student  
(graduated in 2018)

# Pharmacy

B230 MPharm (Hons) Four years

B236 MPharm (Hons) Five years including integrated pre-registration year

Learn about every aspect of the preparation and use of medicine and become an expert in the field. Train to become a pharmacist in healthcare or industry.

You'll gain a solid grounding in human biology and origins of disease, pharmaceutical chemistry, and physical sciences. You'll also be introduced to professional practice and undertake clinical placements in patient-facing environments. In year four you'll undertake an extensive research project, studying alongside clinical pharmacy professionals and researchers in the Department and in a bespoke pharmacy management simulation.

As a graduate, you'll understand the causes and progression of medical conditions, the mechanism and underlying principles of drug action. You will also learn about the appropriate supply and administration of medications and the principles of monitoring treatment and disease progression. You can go on to become a pharmacist working in primary or secondary healthcare, as well as in an education or research setting.

The five-year course is designed exclusively for international students wishing to undertake their pre-registration training in the UK, whilst retaining their student status. It incorporates the pre-registration element of pharmacy training which will enable you to graduate, ready to apply for registration as a UK pharmacist.

## Key areas of study

### Year 1

Molecules to medicines (medicinal and analytical chemistry, pharmaceuticals) | The healthy body (physiology, pathology and pharmacology) | Preparation for professional practice

### Year 2

The specialised integrated units in years 2 and 3 contain all the relevant science (pharmacology, pharmaceuticals and medicinal chemistry) and clinical material merged into system/disease-based units.

Management of gastrointestinal and liver disease | Immunity, inflammation and infection | Management of respiratory diseases and dermatology | Management of cardiovascular disease and endocrine disorders | Preparation for professional practice

### Year 3

Neurology and mental health | Special patient groups | Oncology and palliative care | Medicines optimisation in complex patients | Preparation for professional practice

### Final year

Research project or international placement | Pharmacy management simulation (GIMMICS) | Medicines optimisation in complex patients | Global health and management

## Work placements

In year four, you'll undertake an extensive research project, studying alongside researchers in the Department or on a 12-week placement with an international partner organisation.

There are placement opportunities available in Europe, Australia, New Zealand, North and South America.

On the five-year integrated course (overseas applicants only) you'll undertake pre-registration training in two six-month placements. One in a community pharmacy and one in a hospital pharmacy.

## Entry requirements

Typical offer: A\*AA

### GCSE

4 or C in Mathematics and 4 or C in English (or equivalent from category B – see page 51).

### A level

AAB including Chemistry and one other science or mathematics subject.

### International Baccalaureate Diploma

36 points and 6, 6, 5 in three Higher Level subjects including Chemistry and one other science or mathematics subject.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

You will need to obtain an Enhanced Disclosure and Barring Service (DBS) check during this course.

## Further information and contact details

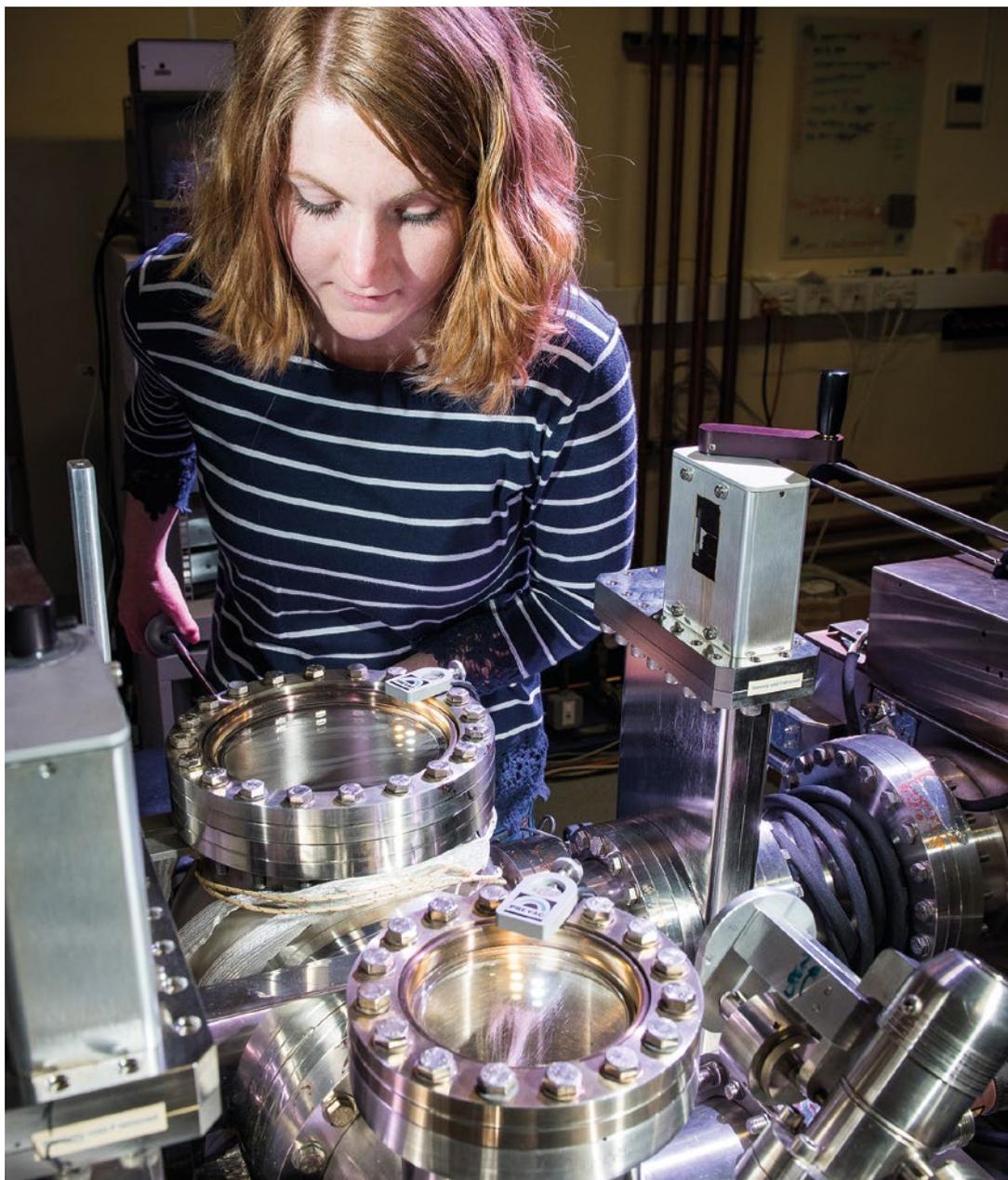
For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/pharma-20](http://go.bath.ac.uk/pharma-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
+44 (0)1225 383019

## Professional accreditations

This course is accredited by the General Pharmaceutical Council (GPhC).

# Physics



## Physicists search for the universal principles underlying natural phenomena.

Study physics to explore the Universe from the sub-atomic scale to cosmological ranges. You'll learn about nano-engines and organic electronics, investigate graphene properties, study quantum optics, and understand the structure and evolution of the Universe. You'll also gain analytical and critical thinking skills to prepare yourself for a wide range of careers, in science and connected fields.

### Teaching

You'll learn from academics with expertise across different research areas, from fundamental physics to technological applications. Their international collaborations and research activities feed into undergraduate teaching. Staff in the Department are approachable and you'll have regular contact with an academic and personal tutor on a one-to-one basis, as well as through small group tutorials. You'll also develop your physics understanding and skills through a wide range of laboratory, group and project activities.

### Facilities

You'll learn in well-equipped undergraduate teaching laboratories. We also have specialist research laboratories, depending on the specialisation you choose, to carry out projects with research equipment and high-performance computers. Some projects even involve links with research facilities and observatories in the UK and around the world.

### Careers

Our graduates go on to a diverse and interesting range of careers such as scientific research and development, engineering, telecommunications, banking, finance, meteorology, oil, gas and space exploration. Many of our graduates also choose to go on to postgraduate study in preparation for academic or industry-based research careers.

### Placements

Going on placement gives you the opportunity to apply your skills and knowledge to a year working professionally. You'll be employed full-time in a role to match your future career ambitions, broadening your experience and transferable skills. This could give you a competitive edge when applying for graduate jobs.

You can choose from a wide range of roles to match your interests, from working in marketing to a lab-based role at a research institute, anywhere in the world. We have links with some of the industry's leading companies. Recent placement employers include BAE Systems, CERN, Dyson, Morgan Stanley, Rolls-Royce and Samsung.

**Top ten** for graduate prospects for physics and astronomy in *The Times* and *Sunday Times Good University Guide 2019*

**91%** of research rated world-leading or internationally excellent in the most recent Research Excellence Framework (2014)



**“Before my placement, I wasn’t 100% sure if I wanted a job in Physics research or in a different area entirely. My placement gave me the hands on experience to help me make that decision.”**

Lydia Rudge, BSc Physics  
(on placement at the  
Science & Technology  
Facilities Council)

# Mathematics and Physics

- GF13 BSc (Hons) Three years  
 FG31 BSc (Hons) Four years including placement year  
 FG32 BSc (Hons) Four years including study year abroad  
 FG3C MSci (Hons) Four years  
 39B2 MSci (Hons) Five years including placement year  
 385C MSci (Hons) Five years including study year abroad

## Entry requirements

**Typical offer: A\*AA**

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*AA including Mathematics and Physics with A\* in Mathematics or Physics (or Further Mathematics if applicable).

### International Baccalaureate Diploma

36 points and 7, 6, 6 in three Higher Level subjects including Mathematics and Physics.

You may be considered if you are taking Standard Level Physics.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/phys-20](http://go.bath.ac.uk/phys-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

## Professional accreditation

This course is accredited by the Institute of Physics.

**Master the logic, rigour and proof of mathematics alongside the universal principles of physics to prepare you for a wide range of careers.**

This course is for you if you enjoy and excel at pure mathematics and want to combine that knowledge with insights into the physical world. You'll get to understand the rigour and generality of mathematics and its particular role in formalising empirical physical laws.

In the first two years, you will study core topics in mathematics and physics. You can change the balance of the subjects through your choice of optional units in the following years. You'll benefit from studying in two departments and you may be able to transfer into either physics or mathematics if you decide to specialise.

The Master of Science (MSci) degree gives you the opportunity to enhance and deepen your knowledge compared to BSc courses, particularly in topics at the forefront of research. You'll study master's level units and carry out a master's level research project in preparation for postgraduate study or a career in research.

## Key areas of study

### Year 1

Mathematical analysis and algebra | Mathematical methods and applications | Properties of matter | Vibrations and waves | Optics | Quantum physics | Electricity and magnetism | Experimental physics laboratories

### Year 2

Advanced mathematical analysis and algebra | Ordinary differential equations and control | Vector calculus and partial differential equations | Computing | Quantum and atomic physics | Thermal physics and statistical mechanics | Electromagnetism | Condensed matter physics | Experimental physics laboratories (optional)

### BSc final year

Final year project (including the option of an industry team project or communicating physics project) | Special relativity | Particle and nuclear physics | Electric circuits | Plus optional units

### MSci penultimate and final years

Advanced real analysis | Mathematical methods | Simulation techniques | Computational physics | Mathematical physics | Continuum mechanics | Elasticity | Advanced quantum theory | Plus optional units

## Work placements

We also offer this course with a placement year, giving you the opportunity to gain professional experience as part of your degree.

## Study abroad

You can opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath.

# Physics

- F300 BSc (Hons) Three years  
 F301 BSc (Hons) Four years including placement year  
 F307 BSc (Hons) Four years including study year abroad  
 F303 MPhys (Hons) Four years  
 3SAM MPhys (Hons) Five years including placement year  
 F312 MPhys (Hons) Four years including study year abroad  
 F313 MPhys (Hons) Four years including six-month research placement  
 O2VD MPhys (Hons) Five years including placement year and six-month research placement

## Master the mysteries of physics from first principles to advanced problem-solving.

Physics is 'the science of everything'. It teaches you about matter, energy and how they interact, from subatomic to cosmological scales. Learn about the structure of physical laws and take part in their discovery. Along the way, you will learn to think like a physicist.

During the course, you'll develop powerful problem-solving skills, preparing you not only for a career in physics, but for many other fields as well. You'll also gain the knowledge and skills of an independent scientist, with sound mathematical and experimental expertise, and the ability to solve complex problems on your own.

The Master of Physics (MPhys) degree gives you the opportunity to enhance and deepen your knowledge compared to BSc courses, particularly in topics at the forefront of research. You'll study master's level units and carry out a major master's level research project in preparation for postgraduate study or a career in research.

## Key areas of study

### Year 1

Properties of matter | Electric circuits | Classical mechanics | Vibrations, waves and optics | Quantum physics | Electricity and magnetism | Special relativity | Introductory astrophysics | Mathematical methods for physics | Experimental physics laboratories | Data analysis and computing (Python)

### Year 2

Quantum and atomic physics | Particle and nuclear physics | The physics of stars | Thermal physics and statistical mechanics | Electromagnetism | Condensed matter physics | Planets and exoplanets | Mathematical methods for physics | Experimental physics laboratories | Computing (Python, C and MATLAB)

### BSc final year

Final year project (including the option of an industry team project or communicating physics project) | Plus optional units

### MPhys penultimate and final years

Advanced quantum mechanics | Photonics | Nanoscience | Computational physics | Advanced problem solving | MPhys laboratory | MPhys research project or MPhys Research Placement | Plus optional units

## Work placements

We also offer this course with a placement year, giving you the opportunity to gain professional experience as part of your degree.

## Study abroad

You can opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath.

## Entry requirements

### Typical offer: A\*AA

#### GCSE

4 or C in English (or equivalent from category C – see page 51).

#### A level

A\*AA including Mathematics and Physics with A\* in Mathematics or Physics (or Further Mathematics if applicable).

#### International Baccalaureate Diploma

36 points and 7, 6, 6 in three Higher Level subjects including Mathematics and Physics.

You may be considered if you are taking Standard Level Mathematics or Physics (but not both).

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/phys-20](http://go.bath.ac.uk/phys-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

## Professional accreditation

This course is accredited by the Institute of Physics.

# Physics with Astrophysics

- F314 BSc (Hons) Three years  
 F315 BSc (Hons) Four years including placement year  
 F316 BSc (Hons) Four years including study year abroad  
 F317 MPhys (Hons) Four years  
 2RT5 MPhys (Hons) Five years including placement year  
 F321 MPhys (Hons) Four years including study year abroad  
 F318 MPhys (Hons) Four years including six-month research placement  
 F320 MPhys (Hons) Five years including placement year and six-month research placement

## Entry requirements

**Typical offer: A\*AA**

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

A\*AA including Mathematics and Physics with A\* in Mathematics or Physics (or Further Mathematics if applicable).

### International Baccalaureate Diploma

36 points and 7, 6, 6 in three Higher Level subjects including Mathematics and Physics.

You may be considered if you are taking Standard Level Mathematics or Physics (but not both).

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/phys-20](http://go.bath.ac.uk/phys-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

## Professional accreditation

This course is accredited by the Institute of Physics.

## Gain in-depth specialist knowledge of how to apply physics to understand the origins and evolution of the universe.

During the course, you'll learn about the fundamental physics describing the intertwining of space, time, matter and energy. You'll study physical systems under conditions that exceed anything we could conceivably create on Earth, such as extrasolar planets or the extreme end states of stellar evolution. You'll also learn how to assemble evidence from astronomy to build theoretical models of the cosmos.

The Master of Physics (MPhys) degree gives you the opportunity to enhance and deepen your knowledge compared to BSc courses, particularly in topics at the forefront of research. You'll study master's level units and carry out a major master's level research project in preparation for postgraduate study or a career in research.

## Key areas of study

### Year 1

Properties of matter | Electric circuits | Classical mechanics | Vibrations, waves and optics | Quantum physics | Electricity and magnetism | Special relativity | Introductory astrophysics | Mathematical methods for physics | Experimental physics laboratories | Data analysis and computing (Python)

### Year 2

Quantum and atomic physics | Particle and nuclear physics | The physics of stars | Thermal physics and statistical mechanics | Electromagnetism | Condensed matter physics | Planets and exoplanets | Mathematical methods for physics | Experimental physics laboratories | Computing (Python, C and MATLAB)

### BSc final year

General relativity | Fluid dynamics in physics and astrophysics | Stars and stellar evolution | Galaxies and cosmology | Final year project (including the option of an industry team project or communicating physics project) | Plus optional units

### MPhys penultimate and final years

Relativistic cosmology | High energy astrophysics | Advanced quantum mechanics | Computational astrophysics | Data analysis and research methods for observational astronomy | Advanced problem solving | MPhys laboratory | MPhys research project or MPhys research placement | Plus optional units

## Work placements

We also offer this course with a placement year, giving you the opportunity to gain professional experience as part of your degree.

## Study abroad

You can opt to broaden your horizons with a year studying at a university abroad. You'll experience another culture whilst studying a course that complements your studies at Bath.

# Politics

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**Top ten** for Politics  
in the Complete University  
Guide 2019

**1st** for Career after  
six months for Politics in  
the Guardian University  
Guide 2019

**2nd** for Graduate  
Prospects for Politics in  
The Times and Sunday  
Times Good University  
Guide 2019

## During a period of significant political upheaval and uncertainty, this is an exciting time to be studying politics. How is power handled and where does it lie?

There are few more interesting and relevant disciplines than that of politics. You'll explore and make sense of current issues at a national and global level. This will provide you with an invaluable understanding of the world. You'll learn how to identify and respond to challenges facing contemporary political systems.

We specialise in international and European politics. Our academic staff have particular expertise in conflict, security, international politics, EU politics, British politics, gender politics, populism and radicalism.

### Teaching

You'll learn from academics with expertise in contemporary politics. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

### Careers

Our politics graduates are found in a wide range of public, private and voluntary sector jobs. Popular destinations are jobs in the banking and finance industries, the media, public administration, and national, European and international political institutions and organisations.

Recruiters include: Amazon, American Chamber of Commerce to the EU, Civil Service, Interel, KPMG and Virgin Media.

Many graduates have chosen to pursue an academic career with further study.

### Year abroad

Our International Politics and Modern Languages course includes a compulsory year abroad. On your year abroad you will spend time in the country of your chosen language either within Europe or beyond. You can spend your time on a study placement at a foreign university, as a language assistant in a school, or on a work placement. You can also have the flexibility of a combination of any of these options.

### Placements

Placements are available for all our politics courses. The placement year is an opportunity for you to use the theory you have learnt in a practical context. You will learn about an organisation and its area of work. This is an excellent opportunity to test potential career paths. Sometimes permanent jobs are offered to our students. You'll develop skills such as teamwork, planning, problem-solving, decision-making and project management.

Employers value a year of professional work and you'll gain an advantage in the job market. Over the years, we have built contacts with a large number of organisations that can provide the high standard of training we expect.



**“I had varied work, from running meetings, writing magazine articles and briefing ministers. All things considered, a placement is not to be missed! It is hard work, long hours and can be very daunting, but it is rewarding, enjoyable and it gives you a good foundation to your CV when you graduate.”**

Tom Boucher, BSc Politics and International Relations student, spent a year on placement with the Welsh Government.

# International Politics and Modern Languages

RL90 BA (Hons) Four years including year abroad

**Start a new language or achieve fluency in a language you've already studied. Gain the skills to understand the international political environment.**

This degree enables you to combine the study of a language at either *ab initio* (beginner) or advanced level with the study of international politics. In the course, the language and politics strands carry equal weighting. You will gain a strong competence in both your chosen language and in relevant issues of international politics.

You can choose your language of study from either advanced French, German or Spanish (intended for those who have studied to A level standard) or any beginner language (which you do not need to have studied before): French, German, Italian, Mandarin, Russian or Spanish.

The beginner language stream will fast track your first two years in order to achieve the ability to study abroad in the third year. If you study an advanced language, you will be taught to engage with political and cultural issues in the target language.

In years 1 and 2 you will cover key concepts and theoretical tools which will enable you to study international relations and international politics. You'll also explore the history and cultures of the country or countries of your chosen language in an international context. Your third year will be spent studying or working abroad. The year abroad assessment contributes towards your final degree classification.

In the final year, you will write a politics dissertation supervised by an academic member of staff. There are several optional units you can choose, allowing you to focus on areas that you are most interested in and excited by.

## Key areas of study

### Year 1

Written and spoken language | History, politics, culture and society (of chosen language) in an international context | Comparative politics | Politics: theory and analysis | International relations

### Year 2

Written and spoken language | History, politics, culture and society (of chosen language) in an international context | Political theory | Research design and methods | International relations and security

### Year 3

Year abroad

### Year 4

Written and spoken language | Politics dissertation

This course includes a wide choice of optional units in the final year allowing you to specialise in areas such as Conflict and security, Peace-building, Political parties and elections, Radicalism in politics, Gender, Politics of memory, European integration and Euroscepticism, and International political economy.

## Year abroad

Our students on related courses have previously spent their year abroad working for BusinessHub (Chile), Di Palma Associati (Italy), EURODES Rare Diseases Europe (France), Simmons & Simmons (France/Belgium) and Zänker & Kollegen (Germany).

## Entry requirements

**Typical offer: AAB**

### GCSE

4 or C in English (or equivalent from category C – see page 51).

For *ab initio* language options, you will normally need a good GCSE in any foreign language if you do not have a language A level.

### A level

AAB in three A levels.

For advanced language options, your A level subjects must include that language.

### International Baccalaureate Diploma

36 points and 6, 6, 5 in three Higher Level subjects

For advanced language options, your Higher Level subjects must normally include that language.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/int-pol-lang-20](http://go.bath.ac.uk/int-pol-lang-20)

Admissions and Outreach:  
**admissions@bath.ac.uk**  
**+44 (0)1225 383019**

# Politics and International Relations

L291 BSc (Hons) Three years

L290 BSc (Hons) Four years including placement year

## Entry requirements

**Typical offer: AAA or A\*AB**

### GCSE

4 or C in English (or equivalent from category C – see page 51).

### A level

AAA or A\*AB in three A levels.

### International Baccalaureate Diploma

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/pol-int-relations-20](http://go.bath.ac.uk/pol-int-relations-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

**Gain a solid grounding in politics, whilst developing your understanding of global developments, ideology and international history.**

On this course, you will develop your knowledge and analytical skills to understand politics at the local, domestic, regional and international levels. The integrated study of politics and international relations allows you to tailor your degree to suit your interests.

In the first year, you'll study British politics, international political economy, comparative politics and international relations.

During the second year, you will delve into further political analysis and theory. You will learn about research design and data analysis.

In your final year, you'll write a dissertation and select optional units relating to your interests.

## Key areas of study

### Year 1

Comparative politics | Politics: theory and analysis | British politics | International political economy | Introduction to international relations

### Year 2

International organisation | Research design and methods | Political theory | Foreign policy-making and its analysis | International comparative politics | Advanced international relations

### Penultimate year

Optional placement year

### Final year

Politics dissertation or extended politics dissertation

This course includes optional units in years 1, 2 and the final year in, for example, European Union politics, The politics of ethnicity, Peace processes in the Middle East and Europe.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include House of Commons, Confederation of British Industry and World Food Programme.

# Politics with Economics

L2L1 BSc (Hons) Three years  
L2LC BSc (Hons) Four years including placement year

**Develop your knowledge of politics and economics. You'll explore contemporary topics at national and global levels.**

This degree combines the study of political science with engagement in global politics and governance. It will appeal if you're interested in issues of global power, decision-making, democracy and inequality.

You'll cover topics such as global development, political ideologies and economic thought. This will be explored through the study of a range of contemporary economic and political challenges facing international society.

The course will provide you with a solid understanding of politics. The present day focus means you'll look at both national and international issues, such as terrorism and climate change.

Year 1 focuses on concepts and theories relating to both politics and international relations. You'll explore studies of recent history and contemporary political and economic systems. In your second and final years, you will deepen your knowledge in core subjects and you may select from optional topics.

You will also undertake a year-long, supervised dissertation in politics.

## Key areas of study

### Year 1

Comparative politics | Politics: theory and analysis | British politics | Introduction to international relations | Economics

### Year 2

Economics of politics | Research design and methods | Political theory | Economic thought and policy | Quantitative research methods | International comparative politics

### Penultimate year

Optional placement year

### Final year

Politics dissertation or extended politics dissertation

This course includes optional units in years 1, 2 and the final year in, for example, European Union politics, Conflict, security and international development, Lobbying, policy communications and democracy.

## Work placements

The placement year is an opportunity for you to use the theory you have learnt in a practical context. You will learn about an organisation and its area of work. This is an excellent opportunity to test potential career paths. Recent employers include House of Commons, Goldman Sachs and Airbus.

## Entry requirements

**Typical offer: AAA or A\*AB**

### GCSE

7 or A in Mathematics and 4 or C in English (or equivalent from category C – see page 51).

### A level

AAA or A\*AB in three A levels.

### International Baccalaureate Diploma

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/pol-econ-20](http://go.bath.ac.uk/pol-econ-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
**+44 (0)1225 383019**

# Psychology

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# Psychology is the scientific study of mental life and human behaviour. It explains how we think, feel and act, both individually and as part of a social group.

The study of psychology is based on scientific principles and involves a range of research methods. This includes experiments, brain imaging, interviews, case studies and observations.

You'll develop analytical skills such as statistical techniques and in-depth qualitative methods to explain or predict behaviour.

We offer distinctive topics that are not always found in undergraduate psychology degrees. These include social action and change, and neuroeconomics.

The innovative research of our academic staff informs our teaching. This provides you with exposure to an active research environment.

## Teaching

You'll learn from academics with expertise in clinical, health, social, developmental, and cognitive psychology. Their international collaborations and research activities feed into teaching and contribute to your learning experience.

## Facilities

The Department of Psychology is located in a £30 million building. You'll use the dedicated space for your seminars, group meetings and computer work.

There are two floors of advanced psychology research space. This includes:

- an electroencephalogram (EEG) scanner
- a virtual reality lab with motion sensor cameras
- rooms for observation, interview and focus group research
- a biopsychology suite with two-way mirror
- eye-tracking equipped computers
- sensory and pain research suite
- crossmodal laboratory including a soundproof room

## Careers

A psychology degree prepares you for clinical, counselling, health, educational, market research and occupational roles. It is also valued in communications, management, police work and social research careers.

Graduate destinations include Oxford Health NHS, King's College London, Revealing Reality, HMRC, Community Access Support Service (CASS) Behavioural Health and Hays plc.

Much professional work in psychology requires further specialist training. Over half of our graduates go on to specialist graduate training in psychology.

## Placements

We are one of very few UK degree courses in psychology to offer a placement opportunity that is for an academic year.

You'll apply the theory you have learnt in a practical context and learn about an organisation. This is an excellent opportunity to test potential career paths. You'll develop teamwork, planning, problem-solving, decision making and project management skills. Employers value professional work and you'll gain an advantage in the job market.

**2nd** for Psychology in the Guardian University Guide 2019

**2nd** for Psychology in the Complete University Guide 2019

**1st** for Career after six months for Psychology in the Guardian University Guide 2019

**"I worked in the quantitative research team as a research assistant. It has helped me understand what I am good at, what I enjoy doing and therefore the career path I want to take. I have also developed some skills that will be really helpful in my final year, such as time management, organisation, analytical thinking and synthesis."**

Joseph Sherlock, BSc Psychology, spent his placement at a branding consultancy in Richmond, London called Clear.

# Psychology

- C801 BSc (Hons) Three years  
 C800 BSc (Hons) Four years including placement year  
 8C82 MSci (Hons) Four years  
 8C92 MSci (Hons) Five years including placement year

## Entry requirements

Typical offer: A\*AA

### GCSE

6 or B in Mathematics and English (or equivalent from category A – see page 51). We strongly prefer applicants who have 7 or A in Mathematics and prefer applicants with 7 or A in English.

### A level

A\*AA in three A levels.

We prefer applicants who have studied both essay-based and numerical or analytical subjects at A level. Your offer can include A level Mathematics or Further Mathematics, but not both.

### International Baccalaureate Diploma

36 points and 7, 6, 6 in three Higher Level subjects.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/psych-20](http://go.bath.ac.uk/psych-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

## Professional accreditations

This course is accredited by and confers eligibility for Graduate Basis for Chartered Membership of the British Psychological Society.

Gain a solid grounding across the discipline with a focus on biological, clinical, cognitive, health and social psychology.

This course offers the rigour of a science degree, with insights into every aspect of psychology recognised by the British Psychological Society.

In Year 1, you will gain an understanding of basic concepts, methods and theories in psychology. In Year 2, you will cover the core areas of psychology and be introduced to research methods and project work. You will be trained in experimental methods, questionnaire research and qualitative analysis. Optional units enable you to study topics that are not always found in psychology degrees. These include health psychology and clinical psychopathology, as well as units from other subjects.

In your final year, you'll complete a research project and select optional units relating to the current research interests of academic staff.

## Key areas of study

### Year 1

Mind and behaviour | Quantitative research methods | Controversies in psychology\* | Applying psychology | Research methods and design\*

### Year 2

Cognitive neuroscience | Social psychology, personality and individual differences | Developmental psychology | Research project | Quantitative methods

### Penultimate year

Optional placement year

### Final year

Dissertation

This course includes optional units in years 1, 2 and the final year in, for example, Clinical psychology, Forensic psychology, Neuroeconomics, Organisational psychology, Developmental psychopathology and Contemporary educational psychology.

## Master's option

The undergraduate master's (MSci) equips you with the practical and analytical skills to conduct independent research. This can focus on an area that interests you. This advanced qualification puts you ahead of other holders of bachelors' degrees in the job market.

## Work placements

We are one of very few UK degree courses in psychology to offer a placement opportunity that is for an academic year. In the placement year, you'll apply the theory you have learnt in a practical context. Recent employers include: the Centre for Research in Autism and Education, the National Crime Agency and Great Ormond Street Hospital.

\* these key areas will be studied at numerous points throughout the course

# Social work

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## Social workers work with individuals and families to help improve people's lives. They act as advocates, and direct people to the services they may need.

**5th** for Social Work in the Guardian University Guide 2019

**Top ten** for Social Work in the Complete University Guide 2019

**4th** for Research Quality in Social Work in the Complete University Guide 2019

**“I’ve had the privilege of working in two statutory social care settings, frontline safeguarding with vulnerable children and families, and in adult mental health. Both met my identified learning needs and prepared me sufficiently for being a social worker; so much so I’ve secured myself a job in a Children and Families Safeguarding and Assessment Team.”**

Sherri Thompson, BSc Social Work and Applied Social Studies

Social work is a profession that is centred on people. You will learn how to support a wide range of people in diverse and complex situations. You'll develop professional capabilities in respect of social work knowledge, values and skills.

We see social work as a global occupation and our teaching focusses on preparing you for international work.

By studying social work, you'll learn how to:

- undertake direct work with service users
- assess needs
- respond to crisis situations
- advocate on behalf of individuals or communities
- work with a range of professionals from many different disciplines

Professionally qualified social workers work in multidisciplinary environments to empower individuals, families and communities within society.

### Teaching

You'll learn from academics with expertise in the social sciences and social work. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

### International partners

Our international partnerships provide you with the opportunity for overseas fieldwork and study tours.

### Careers

As a professionally qualified social worker, you might work in a range of health and social care settings. Increasingly, employment opportunities arise in multidisciplinary settings where social workers work alongside education, health care and legal professionals.

Companies and organisations our graduates have gone on to work for include Leicestershire Partnership NHS Trust, First Steps, Bristol City Council, Sirona Care & Health and Slough Children's Services Trust.

# Social Work and Applied Social Studies

L501 BSc (Hons) Three years

**Prepare yourself for a career as a professional social worker. Develop and apply your knowledge of sociology, social policy, psychology and research methods.**

On this degree you'll study the social sciences as a foundational base. Within this, you will develop more specific social work knowledge, values and skills.

As part of the course, you will apply your knowledge to the practice of social work. This is through the undertaking of 170 assessed practice days in Years 2 and 3, plus 30 skills days. You will gain research skills with particular focus on investigation, assessment and critical analysis.

In the first year, you will explore key topics in social policy, research methods, sociology and psychology. You will also be introduced to social work and learn about social work values. This will prepare you to apply your professional skills and theoretical and research knowledge to practice.

In Years 2 and 3 you will build on this by studying areas of social work practice, including social work with children and families, mental health social work and social work with adults. You will also develop analytical, problem-based learning and transferable skills.

## Key areas of study

### Year 1

Community needs assessment | Social problems and social policy | Understanding society | Social work and life course | Classical sociological theory | Introduction to social work | Readiness for direct social work practice

### Year 2

Professional Practice Placement 80 days | Reflection on professional practice | Discrimination and empowerment | Theories and methods | Social work with adults, children and families | Mental health social work

### Year 3

Professional practice placement 90 days | Social work with adults, children and families | Working in a social care organisation | Social work practice case study | Mental health social work | Reflection on professional practice

## Professional practice placement

This course includes two mandatory social work practice placements. These take place in years 2 and 3.

In your practice placement, you will apply your knowledge, skills and professional understanding to direct practice with service users.

We offer practice learning opportunities in a range of organisations, such as user-led agencies, small or large voluntary groups, independent or private agencies, local authority social work teams and health trusts.

## Entry requirements

Typical offer: **ABB**

### GCSE

4 or C in Mathematics and 4 or C in English (or equivalent from category B – see page 51).

### A level

ABB in three A levels.

### Access to HE Diploma

A pass with 30 credits awarded at Distinction and 9 credits awarded at Merit or above.

### BTEC (QCF)

DDD in a Level 3 Extended Diploma.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

You will need to obtain an Enhanced Disclosure and Barring Service (DBS) check during this course.

If you are a student who requires a Tier 4 visa you will not be able to join this course.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/soc-work-applied-20](http://go.bath.ac.uk/soc-work-applied-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
**+44 (0)1225 383019**

## Professional accreditations

On successful completion of this course you will be able to apply to register as a social worker with the Health and Care Professions Council (HCPC).

# Sociology, social policy and criminology



## Social and policy sciences blend the scientific study of individual and social behaviour to understand the dynamics of power and social justice.

The study of social and policy sciences uses methods of social enquiry and critical analysis. This allows you to understand people as they adapt to and create new orders and disorders.

You'll have room for creativity, as you actively explore solutions to the world's most pressing problems. You'll learn how to hold those in power to account.

Criminology looks at crime from a social perspective. It examines the causes of crime, as well as the operation of the criminal justice system.

Through our courses, you'll be able to explore issues such as climate change, child wellbeing, the role of technology in society, social mobility, poverty and inequality, the gender pay gap, victimisation and criminal justice.

### Teaching

You'll learn from academics with expertise across the social sciences. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

Our researchers have specialisms in:

- children and families
- health
- international development
- justice and rights
- migration
- policy design and analysis
- poverty
- violence and crime

### Careers

Those who study our social sciences degrees have excellent career options. Our graduates have worked as social and policy researchers, civil servants, international consultants, journalists, accountants and in a variety of government, charity sector and business-related roles.

Our recent graduates have gone on to work for Amazon, Guide Dogs, Parliamentary Research Service, Goldman Sachs and BBC Worldwide.

### Placements

The placement year will give you valuable practical experience and is an excellent opportunity to try different careers. It enables you to leave university with a strong CV, setting you apart from other graduates entering the job market. You can take placements in commercial, voluntary or government organisations, or in a research setting. Placements may be paid or unpaid.

Placement opportunities can't be guaranteed but you will receive tailored support from our specialist team to help you secure a placement.

**2nd** for Career after six months for Sociology in the Guardian University Guide 2019

**2nd** for Sociology in The Times and Sunday Times Good University Guide 2019

**1st** for Graduate Prospects for Social Policy in The Times and Sunday Times Good University Guide 2019



**“I was fortunate enough to secure a year-long placement as a Social and General Statistics Researcher. My main responsibilities were to provide an impartial and confidential enquiry service to Members of Parliament (MPs) and to produce briefing papers on broader topics for the general public.”**

Yvara Apostolova, BSc Sociology.  
Placement at the House of Commons Library.

# Social Policy

L404 BSc (Hons) Three years  
L405 BSc (Hons) Four years including placement year

## Entry requirements

Typical offer: AAB

### GCSE

4 or C in Mathematics and 4 or C in English (or equivalent from category B – see page 51).

### A level

AAB in three A levels.

### International Baccalaureate Diploma

35 points and 6, 6, 5 in three Higher Level subjects.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/soc-pol-crim-20](http://go.bath.ac.uk/soc-pol-crim-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
+44 (0)1225 383019

Develop an interdisciplinary approach to the study of how governments and societies address social welfare, social justice and individual wellbeing.

In this course, you'll analyse the transformation of the welfare state and the creation of a more diverse system of welfare. This will enable you to relate these changes to societal, technological and economic changes in Britain and elsewhere.

In the first year, you will study social policy, sociology and research methods. In social policy units, you will undertake advanced analysis of specific policy areas.

In the second year, you'll be able to study the related disciplines of sociology, psychology, international development and politics. In your final year, you will undertake a dissertation.

## Key areas of study

### Year 1

Social problems and social policy | Welfare and the state | Understanding society | Academic and research skills\* | Sociological theory

### Year 2:

Sociology of the family | Poverty and social justice | Qualitative social research methods | Making and communicating policy | Quantitative data analysis | Policies in Europe

### Penultimate year

Optional placement year

### Final year

Dissertation | Social protection and welfare reform | Policy evaluation

This course includes optional units in years 1, 2 and the final year in, for example, Mind and behaviour, Social analysis of development, Criminal justice policy, and Terrorism.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Department for Work & Pensions, National Crime Agency and European Parliament.

\*this key area will be studied at numerous points throughout the duration of the course

# Social Sciences

L305 BSc (Hons) Three years  
L306 BSc (Hons) Four years including placement year

## Direct your own learning with a broad-based training in the social sciences.

This course offers you a comprehensive grounding in the social sciences. You will have greater flexibility to customise your studies.

You will take an interdisciplinary approach to the analysis of social issues. In Year 1 you will be introduced to social policy, sociology and research methods. You can choose to develop interests in politics, psychology, international development and criminology.

During the final two years of the course, you can continue taking a broad-based approach, or choose to specialise in specific areas. You will continue to study compulsory units in research methods.

## Key areas of study

### Year 1

Academic and research skills\* | Social problems and social policy | Understanding society | Social policy, welfare and the state | Sociological theory

### Year 2

Qualitative social research methods | Quantitative data analysis

### Penultimate year

Optional placement year

### Final year

Dissertation

This course includes optional units in years 1, 2 and the final year in, for example, Mind and behaviour, Social analysis of development, Terrorism, and Sexual violence.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include British Chamber of Commerce (EU), Welsh Government and Dyson.

## Entry requirements

Typical offer: **ABB**

### GCSE

4 or C in Mathematics and 4 or C in English (or equivalent from category B – see page 51).

### A level

ABB in three A levels.

### International Baccalaureate Diploma

35 points and 6, 5, 5 in three Higher Level subjects.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/soc-pol-crim-20](http://go.bath.ac.uk/soc-pol-crim-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
**+44 (0)1225 383019**

\*this key area will be studied at numerous points throughout the duration of the course

# Sociology

L300 BSc (Hons) Three years  
L304 BSc (Hons) Four years including placement year

## Entry requirements

Typical offer: AAB

### GCSE

4 or C in Mathematics and 4 or C in English (or equivalent from category B – see page 51).

### A level

AAB in three A levels.

### International Baccalaureate Diploma

35 points and 6, 6, 5 in three Higher Level subjects.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/soc-pol-crim-20](http://go.bath.ac.uk/soc-pol-crim-20)

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+44 (0)1225 383019

**Gain a solid grounding in social theory and social research methods. Develop a critical and historical understanding of the social forces that shape our lives.**

In this degree, you'll study core topics in social theory and social research methods. The flexibility in this course enables you to choose relevant units from sociology, social policy, international development and criminology.

This course will appeal if you want to identify and explore the social factors that have shaped lives and social situations. You will gain an analytical and methodological foundation for the study of collective and individual behaviour.

You'll explore the historical understandings of social relationships, collective behaviour, institutions and social change. You will develop an appreciation of sociological concepts and theories that will help you engage with the most pressing challenges in our world today.

During the first and second years, you'll study classical and modern social theories, and qualitative and quantitative research skills.

In the final year, you will write a dissertation and choose from optional units.

## Key areas of study

### Year 1

Classical sociological theory | Social problems and social policy | Welfare and the state | Understanding society | Research skills\*

### Year 2

Contemporary sociological theory | Philosophy of the social sciences | Qualitative social research methods | Quantitative data analysis

### Year 3

Optional placement year

### Final year

Dissertation | Power in society

This course includes optional units in years 1, 2 and final year in, for example, Understanding childhood, Sociology of criminal justice policy and Terrorism.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include Department for Work & Pensions, The Walt Disney Company and Action Tutoring.

\*this key area will be studied at numerous points throughout the duration of the course

# Sociology and Social Policy

LL34 BSc (Hons) Three years  
LL43 BSc (Hons) Four years including placement year

Develop your knowledge of sociological theory and methods. You'll combine this with an analytical focus on the history and development of social policy.

This course will appeal if you want to combine an interdisciplinary theoretical understanding of the social world with a rigorous analysis of policy responses to social problems.

You will examine theory and techniques from sociology alongside the analytical focus of social policy. You'll explore areas such as health, welfare and poverty, race and discrimination, inequality and exclusion.

By the end of the degree you'll have an understanding of how social institutions develop and operate.

In the first year you will study social policy, sociology and research methods. Social policy units will enable you to conduct advanced analysis of specific policy areas. Sociology units will further your understanding of sociological theories. In the second year you will be able to choose to study the related disciplines of psychology, politics, international development and criminology.

In the final year you will write a dissertation and choose from optional units.

## Key areas of study

### Year 1

Understanding society | Social problems and social policy | Academic and research skills\* | Social policy, welfare and the state | Classical sociological theory

### Year 2

Poverty, social justice, and the state | Qualitative social research methods | Contemporary sociological theory | Making and communicating policy | Philosophy of the social sciences | Quantitative data analysis

### Penultimate year

Optional placement year

### Final year

Dissertation | Power in society | Policy evaluation

This course includes optional units in years 1, 2 and the final year in, for example, Mind and behaviour, Social analysis of development, Criminal justice policy, and Terrorism.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include The Ministry of Justice, Office for National Statistics and The Big Issue.

## Entry requirements

Typical offer: AAB

### GCSE

4 or C in Mathematics and 4 or C in English (or equivalent from category B – see page 51).

### A level

AAB in three A levels.

### International Baccalaureate Diploma

35 points and 6, 6, 5 in three Higher Level subjects.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/soc-pol-crim-20](http://go.bath.ac.uk/soc-pol-crim-20)

Admissions and Outreach:  
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+44 (0)1225 383019

\*this key area will be studied at numerous points throughout the duration of the course

# Criminology

L370 BSc (Hons) Three years  
L371 BSc (Hons) Four years including placement year

## Entry requirements

Typical offer: AAB

### GCSE

4 or C in Mathematics and 4 or C in English (or equivalent from category B – see page 51).

### A level

AAB in three A levels.

### International Baccalaureate Diploma

35 points and 6, 6, 5 in three Higher Level subjects.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/soc-pol-crim-20](http://go.bath.ac.uk/soc-pol-crim-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
+44 (0)1225 383019

Explore issues facing us in the 21st century relating to crime and criminal justice. Develop research and data handling skills relevant to a range of careers.

Criminology gives you a deep insight into the theories of crime, justice and punishment, by drawing on multiple perspectives and disciplines.

With a strong global focus, you'll explore crime and related topics from around the world, looking at everything from human rights and terrorism, to social justice, contemporary social problems, and the globalisation of crime.

You'll gain knowledge of how criminal justice agencies work and interact, how criminal justice policy is created, and how policing, courts and prisons present new and pressing challenges for today's world.

As well as a strong theoretical grounding, the course equips you with solid practical skills in critical enquiry, research and data generation.

Studying at Bath means you'll get to work with a leading team of criminal justice researchers and criminologists, with significant global expertise.

There's also the chance to hone your skills further by doing a placement year in a relevant setting.

This course will particularly appeal if you're strong on critical thinking. The skills and broad-based understanding you go away with will set you up well for diverse careers, whether you decide to go into the criminal justice sector, a third sector organisation or another field.

## Key areas of study

### Year 1

Crime and justice | Social justice and criminal justice policy | Criminology | Britain in global context | Research skills\* | Deviance | Sociological theory

### Year 2

Theorising crime, justice and punishment | Analysing data | Crimes of the powerful | Sociology of criminal justice policy

### Penultimate year

Optional placement year

### Final year

Dissertation | Crime and the media | Terrorism

This course includes optional units in year 2 and the final year in, for example, Sexual violence, Migration, The family, and Social concepts of humans, monsters and machines.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree.

\*this key area will be studied at numerous points throughout the duration of the course



**100%** student satisfaction for MSci (Hons) Sport and Exercise Science including Placement Year in the National Student Survey 2018

**Joint 1st** for Sport Science in The Times and Sunday Times Good University Guide 2019

**2nd** for Sports Science in the Guardian University Guide 2019



**“I went to RVC as a researcher to study jockey technique, but broadened my knowledge of biomechanics through the work RVC does with horses. My input was valued and it was great to be treated as a respected member of the project rather than just a placement student.”**

Elaine Burch, BSc Sport and Exercise Science. Placement in the Structure and Motion Lab at the Royal Veterinary College (RVC).

## The study of sport explores the impact of sport, exercise and health on individuals and society.

You could explore sport, exercise and health, coaching, management, leisure and physical activity and how the body works. You don't need to be good at sport to take a sports degree.

Your study of sport could incorporate many other academic fields. These include physiology, psychology, anatomy, biology, biochemistry, engineering, chemistry, politics, management, education, sociology and cultural studies. Courses cover anything from exercise physiology to the relationship between sport and the media.

### Teaching

You'll learn from academics with expertise across sport, exercise and health. Their international collaborations and research activities feed into undergraduate teaching and contribute to your learning experience.

Our researchers have specialisms in:

- injuries and illness
- physical culture
- sports performance
- disability, sport and health
- nutrition and metabolism

### Facilities

You'll have access to facilities that support your learning, including laboratories with specialist equipment and the latest technology: Applied Biomechanics Laboratory, Applied Physiology Laboratory, Biochemistry Laboratory, Metabolic Research Laboratory, and a dedicated movement analysis suite.

You'll also be able to use our £30 million Sports Training Village based on campus. This provides you with access to some of the best sport and exercise facilities in the UK, accommodating more than 50 sports. We regularly host major international competitions and provide a dedicated sports training space.

### Careers

Graduates from our courses are in demand by a wide range of employers. This includes public health, exercise medicine and rehabilitation, sports management, sports coaching and development.

Our sports graduates have gone on to work for BUPA, Cambridge Medical Robotics, Coaches Voice, Hawk-Eye Innovations, MoveGB, Sports Surgery Clinic, Department of Health & Social Care, UK premiership Rugby union clubs and UK Premier League football clubs.

### Placements

The placement year will improve your skills and is an excellent opportunity to try different careers. It enables you to leave university with a strong CV, setting you apart from other graduates entering the job market.

Placement opportunities can't be guaranteed but you will receive tailored support from our specialist team to help you secure a placement.

# Health and Exercise Science

C610 BSc (Hons) Three years  
C611 BSc (Hons) Four years including a placement year

Understand the role of physical activity and exercise on health and wellbeing. Prepare yourself for a range of careers in the health sector, whether promoting health at an individual or population level.

This course combines science, social science and public health. You will develop your understanding of health determinants and investigate the impact of physical activity, diet and other lifestyle behaviours on health.

This degree has three core themes running throughout the course:

- **Exercise Science** provides a fundamental, interdisciplinary understanding of human function
- **Behavioural Medicine** explores how we can use the principles of exercise science to promote health, or treat and prevent disease
- **Public Health** investigates the determinants of population health, focusing particularly on the role of physical activity and lifestyle in the health of a population

Through these core themes you will apply your knowledge to health and exercise settings and understand their relevance in current practice.

## Key areas of study

### Year 1

Physiology | Public health | Research design and statistics | Anatomy | Sport and exercise psychology | Professional development | Biomechanics | Social study of health

### Year 2

Physiology of health and nutrition | Health practitioner skills | Population level public health | Psychology of exercise and health | Research methods |

### Penultimate year

Optional placement year

### Final year

Research project

This course includes optional units in the final year across the three areas, including Nutrition, Health technologies, and Exercise prescription.

You will be prepared for a range of careers including public health, rehabilitation, physician's assistant, community sports, health promotion, health policy and exercise science.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers for students on this degree include Department for Health and Social Care, Cancer Research UK and Western Australia Institute of Sport.

## Entry requirements

Typical offer: AAB or A\*BB or A\*AC

### GCSE

4 or C in Mathematics, 4 or C in a science GCSE and 4 or C in English (or equivalent from category C – see page 51).

### A level

AAB or A\*BB or A\*AC in three A levels.

### International Baccalaureate Diploma

36 points and 6, 6, 5 in three Higher Level subjects.

### BTEC (QCF)

D\*DD in a Level 3 Extended Diploma).

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/sport-exe-health-20](http://go.bath.ac.uk/sport-exe-health-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
+44 (0)1225 383019

# Sport and Exercise Science

- BC17 BSc (Hons) Three years  
 BCC7 BSc (Hons) Four years including placement  
 C606 BSc (Hons) Four years including study year abroad  
 C609 BSc (Hons) Four years including combined placement and study year abroad  
 C605 MSci (Hons) Four years  
 C604 MSci (Hons) Five years including placement year  
 C607 MSci (Hons) Five years including study year abroad  
 C608 MSci (Hons) Five years including combined placement and study year abroad

## Entry requirements

Typical offer: **AAA or A\*AB**

### GCSE

GCSE grade C or 4 in Mathematics, English and one science (or equivalent from category C – see page 51).

### A level

AAA or A\*AB including A in one science or mathematics subject. We also consider you if you study both Physical Education and Psychology in place of a science.

### International Baccalaureate Diploma

36 points and 6, 6, 6 or 7, 6, 5 in three Higher Level subjects including 6 in at least one maths or science subject.

### BTEC (QCF)

D\*D\*D in a Level 3 Extended Diploma in Sport and Exercise Science or Applied Science with Distinctions in specified science units. See online for a list of specified units for your qualification. We do not accept other Sport BTEC Extended Diplomas (QCF) for this course.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/sport-exe-health-20](http://go.bath.ac.uk/sport-exe-health-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

Develop your knowledge of biomechanics, physiology and psychology. You will understand how humans function in sport, physical activity and health environments.

This degree has three core strands running throughout the course:

- **Biomechanics** will explore how humans create and control movement including athletes' technique
- **Physiology** will cover the structure, function, regulation and performance of bodily systems
- **Psychology** will examine the role of thoughts, feelings and behaviours in sport and exercise settings

Through these core disciplines you will apply your knowledge to sports performance and exercise participation and understand the relevance of sport and exercise science to current practice.

## Key areas of study

### Year 1

Physiology | Functional anatomy | Sport and exercise psychology | Research design and statistics | Professional development | Biochemistry

### Year 2

Psychological dynamics of sport | Sport medicine | Biomechanics | Psychology of exercise and health | Performance assessment | Motor control

### Penultimate year

Optional placement and study year abroad

### Final year

Research project | Issues in sport and exercise science | Interdisciplinary study

This course includes optional units in the final year.

## Master's option

If you want a more in-depth study experience you could consider applying for our MSci Sport and Exercise Science course.

## Work placement

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include McLaren, Peak Centre for Human Performance and Hawk-eye innovations.

## Study abroad

You will have the opportunity to apply to study abroad at an approved highly ranked partner institution. Your international experience will enhance your skills and prepare you for employment in the competitive global graduate market. The study abroad option is currently available in Technical University of Munich (Germany) and Southern Cross University (Australia).

# Sport Management and Coaching

CX63 BSc (Hons) Three years  
CX6H BSc (Hons) Four years including a placement year

Develop a critical and practical understanding of sport management and development, coaching, physical education and the sociology and psychology of sport.

This degree is designed for those who wish to examine the role of sport, health and physical activity within society.

You will have the opportunity to develop a fundamental understanding of sport management and development, coaching and physical education, and the sociology and psychology of sport, and an advanced understanding of at least one of these areas of study. You will consider the contributions sport makes to society and assess whether and how sport can be improved. You will study against the backdrop of the University's world-class multi-sport training environment.

Your first year will introduce you to the main areas of study on the course. In year two and final year, you will have the opportunity to specialise your studies and to develop and apply research skills. Key employability skills such as problem solving, communication, self-confidence, and data analysis will be emphasised throughout the course.

Students in the past have gone on to careers in fields such as sport performance, sport marketing, community sport, and teaching, among others. Graduates have also pursued further study in a number of different areas.

## Key areas of study

### Year 1

Research methods | Sport history and politics | Sport and social theory | Sport management, coaching and development | Ethics and sport | Physical education | Sport psychology

### Year 2

Professional development | Research methods

### Penultimate year

Optional placement year

### Final year

Dissertation research | Sport, health and the social sciences

This course includes options in year 2 and the final year such as Contemporary issues in sport psychology, Sport media, Applied sport coaching, Advanced issues in sports management.

## Work placements

We offer this course with a placement year, giving you the opportunity to gain work experience as part of your degree. Recent employers include British Olympic Association, Disability Sport Wales and Under Armour.

## Entry requirements

Typical offer: AAB or A\*BB or A\*AC

### GCSE

4 or C in Mathematics and 4 or C in English (or equivalent from category C – see page 51).

### A level

AAB or A\*BB or A\*AC in three A levels.

### International Baccalaureate Diploma

36 points and 6, 6, 5 in three Higher Level subjects.

### BTEC (QCF)

D\*DD in a Level 3 Extended Diploma.

See page 53 for alternative offers including EPQs, the Welsh Baccalaureate or additional maths studies.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/sport-exe-health-20](https://go.bath.ac.uk/sport-exe-health-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
+44 (0)1225 383019

# Sports Performance

C601 FdSc Sport Two years

## Entry requirements

Typical offer: CCC

### GCSE

4 or C in Mathematics and 4 or C in English (or equivalent from category D – see page 51).

### A level

CCC in three A levels.

### BTEC

MMM in a Level 3 Extended Diploma (QCF or RQF).

If you are a student who requires a Tier 4 visa you will not be able to join this course.

## Further information and contact details

For more information about course structure, accreditation, entry requirements, units and contact hours visit: [go.bath.ac.uk/sport-exe-health-20](http://go.bath.ac.uk/sport-exe-health-20)

Admissions and Outreach:  
[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

## Develop your athletic expertise and combine your training with academic study of elite sports performance.

This two-year foundation degree enables you to integrate both high-performance sports and academic study. It will appeal if you're performing at a high standard in your chosen sport. The course attracts athletes and professional players (sometimes retired) who are considering academic study to support future career aspirations.

You will develop your skills and knowledge in and around training and competition. Topics range from your own physical conditioning, sports coaching, performance psychology, performance analysis, sport development and sports nutrition.

You will develop both academic and practitioner skills to enable you to apply a broad set of knowledge's which explore the key components underpinning sports performance and athletic success.

From the start of the course, you will explore fundamental sport and research topics. You'll gain a wide range of study skills to prepare you for a variety of sport-related careers.

### BSc route

On completion of the foundation degree at the required academic standard, you may progress to the one-year BSc (Hons) Sport (Sports Performance) (Work-based Learning) course. This builds on the expertise acquired from earlier study, enabling you to develop the analytical and reflective skills valued by employers.

## Key areas of study

### Year 1

Sports performance | Strength and conditioning | Human structure and function | Sports coaching | Nutrition | Sports development | Research methods | Work based learning\*

### Year 2

Sport psychology | Performance analysis | Contemporary issues | Planning for the athlete in context | Talent identification

### Year 3 (BSc route)

Dissertation | Research methods | Managing the performance athlete | Sports performance research seminar

This course includes optional units in year 3 in Sports physiology, Coaching, and Sports policy.

\*this key area will be studied at numerous points throughout the duration of the course

# Come and visit us

## Travel to the University



### By car

M4 to Junction 18 and A46 to Bath. Follow signs for The American Museum and University.

The campus is located in Claverton Down, on the east side of Bath.



### Visitor parking on campus

Pay & display spaces are available in East Extension, A and G car parks, accessed via the main entrance on Claverton Down Road. East car park provides a wheelchair and accessible approach to the Parade and a drop off point by 1WN also provides wheelchair access to the Parade.

Please check the website for transport advice for Open Days.



### By coach

Frequent National Express and Megabus services operate from London Victoria and London Heathrow Airport to Bath.



### By bus

There are a number of frequent bus services available. The U1 and U2 both start and terminate on campus and travel through the city centre.



### By air

The nearest airport is Bristol International Airport. There are also regular connections by train or coach from London Heathrow Airport.



### By train

Bath Spa station is on the main line between Bristol and London Paddington. It can be reached from the North and South via Bristol Temple Meads.

Journey times:

To London	1 hour 20 minutes
To Birmingham	1 hour 40 minutes
To Cardiff	1 hour 10 minutes
To Manchester	3 hours 20 minutes
To Southampton	1 hour 20 minutes
To Exeter	1 hour 20 minutes





## Open Days

Our main University Open Days offer you the opportunity to explore our campus, talk to staff and students and get a real feel for what it would be like to live and study here at Bath.

Friday 21 June 2019  
 Saturday 22 June 2019  
 Saturday 14 September 2019

[go.bath.ac.uk/opendays-20](http://go.bath.ac.uk/opendays-20)

## Campus Tours

If you can't make it to one of our Open Days, we run regular small group campus tours throughout the year. Led by our current students, these tours will give you an insight into being a student here, as well as showing you around the main facilities on campus.

[go.bath.ac.uk/cannot-make-openday-20](http://go.bath.ac.uk/cannot-make-openday-20)

## Residential Uni Tasters

Want to experience life as a Bath student? These subject-specific residential events offer you the opportunity to explore our friendly campus and get a sense of what it's like to live and study here. You'll meet current students and staff, and get lots of information and advice.

[go.bath.ac.uk/res-uni-taster-20](http://go.bath.ac.uk/res-uni-taster-20)

## Individual Visits

We have an open campus policy, which means you are very welcome to visit and take a look around at a time that suits you. Visit our webpage for tips on how to make the most of your visit:

[go.bath.ac.uk/cannot-make-openday-20](http://go.bath.ac.uk/cannot-make-openday-20)

## Contact Us

[admissions@bath.ac.uk](mailto:admissions@bath.ac.uk)  
 +44 (0)1225 383019

University of Bath  
 Claverton Down  
 Bath  
 BA2 7AY  
 United Kingdom

**“Attending the Open Day for Bath showed me that it was the one - as it was the only university I felt at home. Being on campus, I remember thinking how I could picture myself there for the next few years and it just felt right.”**

Eman Gouyez, BSc Maths and Physics with Placement

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# Open Days

Friday 21 June 2019

Saturday 22 June 2019

Saturday 14 September 2019

Further dates may be added, see:  
[go.bath.ac.uk/opendays-20](http://go.bath.ac.uk/opendays-20)

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