COMPUTER SCIENCE

UNDERGRADUATE STUDY

WARWICK
THE UNIVERSITY OF WARWICK
Our Department of Computer Science offers a thriving community of excellence across the breadth of Computer Science: from the teaching you receive on your first day, to our cutting-edge research affecting the lives of people across the globe.

Why Computer Science at Warwick? .............................. 4
Our Courses .................................................................... 5
Computer Science BSc/MEng .......................................... 6-7
Computer Systems Engineering BEng/MEng (joint with the School of Engineering) ......................... 8-9
Discrete Mathematics BSc/MEng (joint with Warwick Mathematics Institute) .......................... 10-11
Data Science BSc/MSci (joint with the Department of Statistics) ........................................... 12-13
Computer Science with Business Studies BSc (joint with Warwick Business School) .................. 14-15
Approaches to Learning ............................................. 16-17
Research Spotlights .................................................. 18-19
Study Abroad and Placements ...................................... 20
Careers ....................................................................... 21
Widening Participation ............................................. 22-23
Parents and Supporters ............................................ 24-25
Alumni Case Studies ................................................... 26-27
How to apply .......................................................... 28

IN THE UK FOR COMPUTER SCIENCE
(THE COMPLETE UNIVERSITY GUIDE 2024)

99% OF RESEARCH RATED WORLD-LEADING OR INTERNATIONALLY EXCELLENT
(2021 RESEARCH EXCELLENCE FRAMEWORK, THE MOST RECENT GOVERNMENT RESEARCH ASSESSMENT)

IN THE UK FOR COMPUTING RESEARCH
(THE COMPLETE UNIVERSITY GUIDE 2024)

£30,000 TO 47,000 TYPICAL SALARY RANGE
15 MONTHS AFTER GRADUATING
(DERIVED FROM UNIVERSITY OF WARWICK’S FULL TIME DEPARTMENT OF COMPUTER SCIENCE GRADUATES DURING 2018-2020 IN DISCOVER UWE, SOURCE: GRADUATE OUTCOMES SURVEY)
Our degree courses attract highly qualified students and provide them with a theoretical foundation in established areas of their discipline, as well as the opportunity to apply what they learn to industrially relevant problems throughout their degree.

This combination enables students to pursue careers in a diversity of sectors, regardless of which of our courses they decide to study.

“The computer science course run by DCS is the best among UK universities. If you are looking for an interesting course with the best balance of practical and theoretical syllabi, class-leading staff and building facilities - look no further than Warwick’s DCS.”

Daniel
Computer Science BSc with Intercalated Year student 2015-2019

*Research Excellence Framework 2021
Computer Science is an exciting and challenging discipline which covers a broad and continually growing range of fields, and is now seen in nearly every aspect of our everyday lives.

Whatever your knowledge of computing or programming, our course begins with the fundamental mathematical and scientific foundations of computer science, equipping you with the knowledge and understanding required to face any technological challenge.

Our course enables you to develop technical skills in areas such as software engineering, algorithm analysis and system design, as well as giving you experience of project management, research and scientific methods. Working closely with industry leaders, you will have opportunities to develop industrially relevant subject knowledge and transferable skills, such as communication, teamwork and planning, which are highly valued by employers.

Many of these skills are further developed through the third year individual project, which students often find to be a highlight of their degree. You will bring together everything you have learned and apply it to a challenge of your choice under the supervision of world-leading academics.

Accreditation: This degree is accredited by BCS, The Chartered Institute for IT, fully meeting the educational requirement for Chartered Information Technology Practitioner (CIITP) registration.

3 or 4 years?

Students are offered the flexibility to transfer between the BSc and MEng courses until the end of their second year, subject to academic performance. Therefore if you are unsure which degree path is right for you, pick either and you can change your mind later.

Core Computer Science

Typical offers:

A Level: A*A*A to include A* in Mathematics
IB: 39 with 7,6,6 in three Higher Level subjects to include 7 in Higher Level Mathematics (‘Analysis and Approaches’ only

We also give out lower contextual offers to some eligible UK based applicants, to find out more visit: warwick.ac.uk/study/undergraduate/apply/contextual-offers

If you follow the MEng course you will have the opportunity to broaden and deepen your understanding through the study of more advanced modules and through the application of this learning in a significant group project. The group project is also an opportunity to develop your research and teamwork skills in an environment similar to what you may experience as you progress to work or further study.

Examples of Optional Modules

- Functional Programming
- Computer Security
- Mathematical Programming I
- Artificial Intelligence
- Cyber Security
- Web Development Technologies

For more examples of Computer Science modules see: warwick.ac.uk/dcs/teaching/modules

“When I came to visit the campus I had the opportunity to meet the staff and other undergraduate students from the Department of Computer Science. Seeing their passion and enthusiasm for this degree convinced me this was the place to be and two and a half years in, I am feeling confident and loving my degree!”

Gowri
Computer Science MEng Graduate - 2021

Core Modules

Year 1

Programming for Computer Scientists
Design of Information Structures
Mathematics for Computer Scientists I
Mathematics for Computer Scientists II
Computer Organisation and Architecture
Professional Skills

Year 2

Operating Systems and Computer Networks
Database Systems
Formal Languages
Algorithms
Software Engineering
Logic and Verification

Year 3

Individual Project
Project Management for Computer Scientists
(MEng only)

Year 4 (MEng only)

Group Project

Examples of Optional Modules

- Functional Programming
- Computer Security
- Mathematical Programming I
- Artificial Intelligence
- Cyber Security
- Web Development Technologies

For more examples of Computer Science modules see: warwick.ac.uk/dcs/teaching/modules
Computer Systems Engineering is a fully integrated degree taught jointly by the Department of Computer Science and the School of Engineering.

This degree focuses on the design of computer systems and their real-time applications, with an emphasis on pervasive technologies including wireless networks, mobile devices and sensors, robotics and wearable technology.

You will receive a firm grounding in the principles of computer science, which is complemented by the knowledge and skills you will gain as an electronic engineer, with specific emphasis on digital electronics, low-power systems, communications, control and real-time operation.

This combined knowledge will give you the ability to apply state-of-the-art computer science methods in areas such as the validation and verification of software, fault-tolerant design and code optimization, and to use high-performance computing techniques to design efficient and robust embedded systems.

In your third year you will undertake an individual project, where you will have the opportunity to apply your knowledge to a subject of your choice under the supervision of world-leading academics from Computer Science and Engineering.

If you follow the MEng course you will stay on for a fourth year to study more advanced material and participate in an interdisciplinary Engineering group project, which will help advance your research and development skills in a team environment closer to what you may experience as you progress to work or further study.

If you study the 3-year variant of this course you may choose to have your degree awarded as a BEng or a BSc.

Core modules

| YEAR 1 | Programming for Computer Scientists |
| YEAR 2 | Operating Systems and Computer Networks |
| YEAR 3 | Individual Project |
| YEAR 4 | Group Project |

Examples of optional modules:
Mathematics for Computer Scientists; Functional Programming; Computer Security; Digital Communications and Signal Processing; Artificial Intelligence; Web Development Technologies
DISCRETE MATHEMATICS

BSc Discrete Mathematics
3 years | UCAS code: G190

MEng Discrete Mathematics
4 years | UCAS code: G4G3

Typical offers:
A Level: A*A*A to include A* in Mathematics or Further Mathematics
IB: 39 with 7,6,6 in three Higher Level subjects including 7 in Higher Level Mathematics ('Analysis and Approaches' only)

We also give out lower contextual offers to some eligible UK based applicants, to find out more visit: warwick.ac.uk/study/undergraduate/apply/contextual-offers

In your third year you will work alongside academics on an individual project, where you will apply your skills to an area of your choice under the supervision of our world-leading academics. In your third and if following the MEng, fourth years you will be exposed to cutting-edge research and focus on more advanced and exciting areas at the interface of computer science and mathematics.

3 or 4 years?
Students are offered the flexibility to transfer between the BSc and MEng courses until the end of their second year, subject to academic performance. Therefore if you are unsure which degree path is right for you, pick either and you can change your mind later.

“Our Discrete Mathematics course combines the study of computer science and mathematics. It focuses on studying the mathematical structures which form the foundations of computing and its modern applications.

The course is taught jointly by the Department of Computer Science and the Warwick Mathematics Institute, both world-leading in their fields, making it the ideal choice for talented mathematicians with an interest in technology.

Our course is designed to allow you to develop your skills in both mathematics and computer science, covering areas such as software engineering, combinatorial analysis, formal proof and algorithmic analysis. However it is the combination of these skills, enabling students to both analyse and solve problems in an abstract sense and realise solutions through computer software, which makes graduates from this course highly employable.

Warwick is also home to the Centre for Discrete Mathematics and its Applications (DIMAP), a multidisciplinary research centre for discrete modelling, algorithmic analysis and combinatorial optimisation. This means you will be working alongside internationally renowned academics at the centre of the latest research breakthroughs.

Caleb
Discrete Mathematics with Intercalated Year BSc student 2014-2018
Now Software Engineer

The most exciting module I took at Warwick was most certainly the Machine Learning module. This area of technology is growing quickly and I love how it’s applicable to areas which mean a lot to me, such as healthcare and education. I now work as a Software Engineer at a fintech startup in London - an interest that was shaped by my whole experience of being a student in the Computer Science department at Warwick. The modules, the staff and my peers all contributed to my seeing the value of building useful products using code and subsequently pursuing this as a career.”

Caleb
Discrete Mathematics with Intercalated Year BSc student 2014-2018
Now Software Engineer

CORE COMPUTER SCIENCE

CORE MATHEMATICS

CORE STATISTICS

OPTIONAL MODULES

PROJECT WORK

EXAMPLES OF OPTIONAL MODULES

Professional Skills; Functional Programming; Computer Security; Logic and Verification; Groups and Rings; Combinatorial Optimisation; Introduction to Number Theory; Stochastic Processes; Introduction to Mathematical Statistics

For more examples of Computer Science modules see: warwick.ac.uk/dcs/teaching/modules

WARWICK ACCOMMODATION

Our accommodation is some of the best in the UK. We have a wide range of options, from shared houses to independent rooms, all within walking distance of campus. To find out more visit: warwick.ac.uk/study/undergraduate/apply/"
DATA SCIENCE

BSc Data Science
3 years | UCAS code: 7G73

MSci Data Science
4 years | UCAS code: G304

Typical offers:
A Level: A*A*A to include A* in Mathematics and A* in Further Mathematics or A*AA to include A*A* (in any order) in Mathematics and Further Mathematics and one of the following: 2 in STEP, 6.5 in TMUA, or 55 in MAT or A*AA to include A*A* (in any order) in Mathematics and Further Mathematics. Where an applicant is unable to study A Level Further Mathematics, they may be considered for the offer A*A*A* including Mathematics or the offer A*A*A with A* in Mathematics plus grade 2 in any STEP/6.5 in TMUA/55 in MAT.
IB: 39 overall to include 7 in Higher Level Mathematics, Analysis and Approaches or 38 overall to include 6 in Higher Level Mathematics, Analysis and Approaches and one of the following: 2 in STEP, 6.5 in TMUA, or 55 in MAT or 38 overall to include 7 in Higher Level Mathematics, Applications and Interpretations and one of the following: 2 in STEP, 6.5 in TMUA, or 55 in MAT.

We also give out lower contextual offers to some eligible UK-based applicants, to find out more visit: warwick.ac.uk/study/undergraduate/apply/contextual-offers

Core Modules
All students complete Refresher Mathematics before the start of term, a 0 credit module designed to reinforce your existing mathematical knowledge.

Year 1
Programming for Computer Scientists
Design of Information Structures
Mathematical Programming I
Vectors & Matrices
Calculus 1
Calculus 2
Sets and Numbers
Introduction to Statistical Modelling
Probability 1
Probability 2

Year 2
Database Systems
Algorithms
Software Engineering
Stochastic Processes
Mathematical Methods for Statistics & Probability
Probability for Mathematical Statistics
Mathematical Statistics
Linear Statistical Modelling with R

Final Years
The third (final) year of the BSc allows you to forge a strong curriculum through a selection of more advanced modules in statistics and computer science, such as machine learning and Bayesian forecasting. It also includes a Data Science Project, which is your opportunity to showcase and expand our data-analytic knowledge and skills. The third year of the MSci also includes a module whose aim is to prepare you for the statistical investigative cycle from problem formulation to the communication of conclusions. The fourth (final) year of MSci offers a range of advanced modules from across Data Science, and you also choose a Master’s level dissertation project from a wide selection of topics.

Examples of Optional Modules
- Artificial Intelligence: Games and Decisions
- Neural Computing: Machine Learning
- Approximation and Randomised Algorithms
- Mobile Robotics: Computer Graphics
- Professional Practice of Data Analytics

For more information, please see: warwick.ac.uk/fac/sci/statistics/courses/datsci

Data Science is concerned with how we gain knowledge from the vast volumes of data generated daily in modern life, from social networks to scientific research and finance, and the sophisticated computing techniques required to do this.

Our Data Science degree, the first undergraduate degree of its kind in the UK, is delivered jointly by the Departments of Computer Science and Statistics, with some modules being taught by specialists from the Warwick Mathematics Institute.

This flexible course gives you opportunities to develop your computing, statistical and mathematical skills while solving real-world problems as you study the theory and processes behind large-scale data analysis and its applications.

You will develop expertise in specialist areas of machine learning, data mining and algorithmic complexity, and acquire skills in analytical thinking, cross-disciplinary communication, and mathematical and statistical modelling. The unique skill set you will develop is hugely in-demand in both industry and research, and you will find yourself thoroughly prepared for the vast range of career opportunities that are consequently available to you.
COMPUTER SCIENCE WITH BUSINESS STUDIES

BSc Computer Science with Business Studies
3 years | UCAS code: GN42

Typical offers:
- A Level: A*A*A to include A* in Mathematics
- IB: 39 with 7,6,6 in three Higher Level subjects to include 7 in Higher Level Mathematics (Analysis and Approaches’ only)

We also give out lower contextual offers to some eligible UK-based applicants, to find out more visit: warwick.ac.uk/study/undergraduate/apply/contextual-offers

Our Computer Science with Business Studies course is run jointly with the Warwick Business School (WBS), one of the leading business schools in Europe.

You will spend the first two years of your degree studying Computer Science, followed by a year studying in the Business School, where you will learn about business and management practices. As with our Computer Science course, no prior knowledge of computer science or programming is required.

Through studying the role of technology in the modern business environment, you will gain rigorous computer science and business expertise which can be applied to utilising technology to meet real-world business goals.

You will gain technical skills in software engineering and system design, as well as an understanding of how these impact organisations. Software engineering projects conducted throughout your degree are taught in conjunction with industry professionals and give you the opportunity to test your skills against real-world problems. Alongside a range of technical skills, you will have opportunities to develop business and industrial knowledge with relevant real-world skills, including those in communication, planning, and management.

"The courses on offer at Warwick helped highlight the areas of computer science I found most interesting. The opportunity to take more modules at the start of a term to establish which courses were best suited and then retain the most interesting ones to me was very helpful."

Will
Computer Science BSc student, 2014-17
Now Software Engineer at The Hut Group

We also give out lower contextual offers to some eligible UK-based applicants, to find out more visit: warwick.ac.uk/study/undergraduate/apply/contextual-offers

Contents

CORE MODULES

YEAR 1
- Programming for Computer Scientists
- Design of Information Structures
- Mathematics for Computer Scientists I
- Mathematics for Computer Scientists II
- Computer Organisation and Architecture
- Professional Skills

YEAR 2
- Operating Systems and Computer Networks
- Database Systems
- Formal Languages
- Algorithms
- Software Engineering
- Logic and Verification

YEAR 3
- In third year you will select from an extensive list of WBS modules. Some may be linked to prerequisite modules.

EXAMPLES OF OPTIONAL MODULES
- Functional Programming; Web Development Technologies; Computer Security; Mathematical Programming; Advanced Computer Architecture; Artificial Intelligence; Simulation; Marketing; Design in Business; Company Law; Accounting in Context; Corporate Strategy; Behavioural Economics; Consumer Behaviour; Supply Chain Management; Global Sourcing and Innovation

For more examples of Computer Science modules see: warwick.ac.uk/dcs/teaching/modules
APPROACHES TO TEACHING

All our degree programmes offer a level of flexibility so that you can tailor your degree to the subjects that interest you most, meaning our students can have different experiences of teaching and learning during their time at Warwick.

Although each student’s experience may differ, there are some elements of teaching and learning that all students are likely to experience at some point during their time in our department.

This page gives an overview of some of the opportunities and experiences, as well as the huge levels of support available to students on our courses.

If you are considering the Data Science degree we advise visiting the Department of Statistics webpages for more information about teaching, learning and assessment on this degree programme. warwick.ac.uk/statistics

SUPPORT

As a department we are committed to offering each student a personalised experience and extensive support throughout their time at university.

On arrival at Warwick you will be allocated a dedicated Personal Tutor, an academic from within the department who you will be encouraged to meet with on a regular basis. Your personal tutor can offer support and guidance for all matters relating to your academic progress or personal wellbeing.

Additional academic support is also offered by our teaching staff who have dedicated open Office Hours in which you can go to them should you have questions relating to any of the course content.

Our students often find their peers also provide a great source of support, encouragement and, of course, friendship throughout their degree, and we encourage students to work together on revising study materials. Our student Computing Society also offers academic and professional skills support through regular programming workshops, academic talks with industry professionals as well as hosting gaming and other social events.

In addition, the university’s Wellbeing Support Services provide a range of support to help students develop useful skills and resources for navigating student life.

TEACHING

Our courses offer a balance of core material delivered through lectures, small-group seminars and hands-on laboratory sessions.

Lectures are large group lessons in which an academic will speak for usually around an hour on a particular subject. Seminars offer an often complimentary smaller group session where you will have a chance to build on topics introduced in lectures, while laboratory sessions provide opportunities to apply your learning and develop your practical skills under the support of supervision staff.

Approximately a quarter of your time is spent in timetabled classes, with the remainder being used for private study, completing assignments or projects, and practical work in the dedicated computing laboratories which are open 24/7.

ASSESSMENT

Your performance on most modules will be assessed by a combination of coursework and written examination. The coursework may be individual or group work involving programming, research, writing and/or presentations. Typically in the third and fourth years of some of our courses, depending on which degree path you follow, project work is fully assessed by a presentation and project reports.

Each year contributed to the final degree classification, typically in the ratio of 10:30:60 for a BSc degree and 10:20:35:35 for an integrated Master’s degree, dependent on degree stream.
THE FUTURE OF E-VOTING
Professor Feng Hao

E-voting systems are increasingly being used in elections around the world. However, the systems used in countries such as India, Brazil and the US are currently unverifiable; they rely on "trusted authorities" such as government-appointed election officers to tally votes.

It is this reliance on "trusted authorities", who in the advent of e-voting are also required to have expertise in computer science and cryptography, that is being challenged by one of our department’s research teams, led by Professor Feng Hao. Professor Hao is looking into how cryptography can be used to make an e-voting system verifiable with the aim “to provide a means whereby voters can independently verify that their votes are accurately captured and tallied by the system” hence ensuring that the integrity of an election result is maintained. In the process, the researchers eliminate reliance on trusted authorities who tally the cast votes, so the election is "self-tallying."

Such a secure and publicly verifiable system could be used in all manners of elections, from local to national, and would be more secure, usable and dependable. The system Professor Hao is researching would also detect and provide evidence of electoral fraud, thereby acting as a strong deterrent to vote-tampering, furthering trust in the integrity of the outcome.

Professor Hao’s team currently conduct trial elections and evaluations here in the UK but they are also in contact with election think-tanks in the US and Europe and, more recently, have started an international collaboration with Professor Bimal Kumar Roy of the Indian Statistical Institute under the support of a Royal Society International Collaboration award. Their research looks at using this kind of system to strengthen e-voting in India, where electronic voting machines have replaced paper ballots in all national and general elections in the country.

In the longer term, Professor Hao aims to create freely available open-source software tools for voting and auditing, and is in the process of commercialising such e-voting research under the Innovate UK academic start-up programme.

TURNING FREE-TEXT TO KNOWLEDGE
Professor Yulan He

90% of the world's data is stored in the unstructured text format making it difficult for machines to understand and analyse. But what if computers were able to understand the semantic meanings conveyed in humans' spoken language and written text?

This is the ultimate goal of Professor Yulan He, whose current research in our department uses a combination of machine learning and language processing techniques to analyse social media content, online user behaviour and opinions expressed on the web.

Professor He explains, "Together with my students and collaborators, we have proposed a series of unsupervised Bayesian models for automatic extraction of newsworthy events discussed on Twitter. We have also developed models which can discover hierarchical viewpoints and opinions expressed in social media during the US general election and Brexit."

Undergraduate students have the opportunity to draw on examples from Professor He’s research which she shares in her teaching to show how data mining approaches can be used to analyse social media data.

However Professor He’s interests and the implications of her research also reach far beyond just social media as she explores the use of statistical methods for acquiring knowledge from clinical documents, biomedical literature and the investigation of artificial intelligence techniques in finance, legal and insurance documents.

Speaking of her current work, Professor He added “I am currently an academic lead of the C&D P project, funded by Innovate UK, which aims to develop statistical models in order to uncover the hidden meaning within unstructured data to provide output that is human readable, comprehensible and succinct. Examples of such data include case notes in Adult & Child Care, Medical/Patient Records, Clinical & Pharmaceutical Trials, Insurance Claims and Legal Margin Notes.”
We offer a variety of opportunities to students on all of our courses to enhance their degree with industrial experience or study abroad.*

Each of our degree courses has an ‘intercalated year’ option. This allows you to spend a sandwich year (between two years of your degree) studying abroad or working in industry, which will be reflected in your degree title. The intercalated year is taken between the 2nd and 3rd years of a 3-year degree course. In the case of a 4-year degree course, the year can be taken between 2nd and 3rd years or between the 3rd and 4th years.

STUDY ABROAD
Study abroad offers the opportunity to experience teaching and learning at another world-leading institution. The university has excellent relationships with a range of institutions around the world and offers a variety of opportunities which students may apply to if they wish. In addition to benefitting from a rich cultural experience, students returning from studying overseas exhibit a strong international profile that is attractive to potential employers. Furthermore, the department has an established exchange programme with the Hong Kong University of Science and Technology (HKUST), which students may apply for. If successful, students following a 4-year degree can choose whether to take the year as intercalated or as a replacement for the third year of their degree**.

INDUSTRIAL PLACEMENTS
We provide support for students wishing to spend a year in industry by promoting opportunities, hosting careers fairs and offering one-to-one sessions with our departmental careers advisor.

During your year in industry you will be supported by your personal tutor and our Industrial Liaison Team, and students working in the UK are visited by academic representatives to review their development during the year. Students who take a year-long industrial placement return with a deeper appreciation of the application of their discipline and often develop final-year project ideas based on their experience. Additionally, it is common for students to obtain an offer of a graduate role in their host company on completion of their degree.

Our students have spent successful internships at companies including Accenture, ARM, Bank of America, British Telecom, Cisco, Google, GSK, IBM, Intel, Microsoft, Reuters and Unilever.

Regardless of whether you decide to take an intercalated year, there are ample opportunities to gain real-world experience through internships which the department promotes and offers support with. These programmes usually take place during the summer vacation, allowing you to apply your knowledge and skills in an industrial setting.

“...the core computer science fundamentals that I was taught in the first and second year were crucial to my success during my placement. In particular the focus on teaching adaptability as my internship required very quickly picking up unseen projects, languages and solutions, working with them to deliver to a deadline and move on.”

Eliot
Computer Science MEng student with Intercalated Year as an IoT Technical Sales Specialist at Intel Corporation

*Subject to visa regulations and availability at partner institutions. Study abroad opportunities are awarded selectively.
**Data Science students are unable to study at HKUST as a replacement for the third year of their degree.
We are committed to supporting students from diverse and under-represented backgrounds to study at Warwick and make the most of their university experience. We do this in a range of ways, including through our contextual admissions policy which is designed to ensure fairness in our admissions processes by taking into consideration widening participation (WP) indicators related to socio-economic and educational disadvantage.

Once at Warwick, we offer students from WP backgrounds the opportunity to access financial support, work experience, internships, and meet like-minded people through the WP Student Network, and the Warwick Scholars Programme.

To find out more, please visit:

warwick.ac.uk/study/outreach/whatweoffer/undergraduateactivities/
SUPPORTING YOUR CHILD AT WARWICK

We understand that the wellbeing of your child is extremely important to any parent, and coming to university can be a big adjustment, both for your child and for you. At the University of Warwick, we fully understand this and are committed to providing a supportive, positive, and safe environment for all.

Sometimes students can encounter personal difficulties, but the University has a number of specialist support services to aid students through challenging times and enable them to fulfil their potential.

WELLBEING

Wellbeing Support Services help your child develop the personal resources and skills to navigate student life. We provide a range of support including both practical and emotional support for students’ wellbeing and helping them access other services from self-help resources to email counselling and therapy groups.

For 24/7 support, students can use their student emails to access ‘Togetherall’ which is an online platform offering digital mental health services from the help of trained clinicians and a community of peers. Whether they feel stressed, lonely, or just not themselves, this platform provides your children with a safe space to share their experiences and thoughts anonymously.

ACCOMMODATION AND LIVING SUPPORT

When your child lives on campus during their first year, our Residential Community Team will live alongside them the whole way. They will be there to chat to or help them adjust to living away from home and getting the balance right between social and academic life. Our team is there to support them as they manage the ‘everyday life’ stuff. We are happy to help with a range of different concerns, such as accessing wellbeing support, flatmate conflicts, general stress, anxiety, and homesickness to name a few.

SAFETY

The Community Safety department is a team of individuals dedicated to protecting the safety and security of everyone who lives, works, and studies at the University. They have an on-Campus presence 24 hours a day, 365 days a year to provide pastoral support to everyone within our community. They also offer useful advice on how to stay safe both on and off campus. You can rest assured that your child will be safe with us at the University of Warwick.

WHAT YOU CAN DO TO SUPPORT YOUR CHILD AT UNIVERSITY

Especially when students start at University, the adjustment process can take time. Experience shows us that one of the biggest concerns for new undergraduate students is making friends. A degree of anxiety is a normal part of life, particularly when faced with new situations.

Whilst they may feel like they are in the minority, we can assure you, they are not. Most students will adjust within a number of weeks, but if your child is still struggling, please encourage them not to come home as this may be worse for them. Instead encourage them to find support at Warwick, which they can get through our Wellbeing Support Services team and on our online Wellbeing Portal. Remind them to also take care of themselves as having a healthy sleep, diet and exercise routine is really key for an all-round positive student experience.

View more student support advice for parents and guardians: warwick.ac.uk/services/wss/parents
My job is to run really large distributed systems that are fast and reliable. Emergency response and mitigation is a critical part, but most of the time we work on “projects.” Projects include things like writing automation, for example for releases or capacity management, writing monitoring systems, consulting with developers on launches or designs, or changing some part of the system itself, for example the load balancing algorithm. I currently work in London on Google Cloud Compute Engine and have previously worked on Google Calendar and security and privacy infrastructure.

Whilst at Warwick I interned at Google twice, the first as a developer in London and the second as an SRE in Zurich. I really enjoyed the second internship so decided to come back full time as an SRE. I find distributed systems very interesting and have a lot of fun thinking of ways in which something could break, but I also enjoy the diverse kinds of work we do.

The official goal of my job is “to automate myself out of the job.” I really like this goal and also hold it personally as something I would like to accomplish - it’s about never having to do repetitious work anymore, and getting the system to run and fix itself.

My favourite module at Warwick was Neural Computing. At a first glance it doesn’t seem directly relevant to my job, but I think it is. Neural Computing was about studying how brains function and ways of artificially recreating similar skills. Neural Computing inspired me to investigate problems logically and with an open mind.

By focusing on the principles and underpinnings of computer science, my time at Warwick helped me equip me with the ability to continuously adapt to new developments throughout my career. The emphasis on fundamentals prepared me to engage with any technology, and not just what was relevant during my studies. Most notably, the group software engineering project undertaken with an international industrial partner was particularly good at giving an insight into how theoretical concepts taught throughout the course can be applied in a real-world software engineering environment.

I now work as a Deployment Strategist, working directly with customers to deliver value from their data, and ensure they are using our products as effectively as possible to solve problems. I’m focused on helping to create the best user experience for our customers to work with data, enabling them to answer complex questions without requiring them to master querying languages, statistical modelling, or the command line.

I always knew that I wanted to work closely with customers, in a role where I can see the direct output of my work. Through undertaking summer internships and having a strong focus on technical fundamentals in my degree, I was able to find the right role for me.

My advice to anybody starting out at Warwick would be to, alongside expanding your technical abilities, make sure you take all of the opportunities that are thrown at you to help develop industry-relevant subject knowledge and transferable skills, such as teamwork, communication, and planning.
HOW TO APPLY
Everything you need to know about applying to Warwick is on our web pages. There is up-to-date information about:
- How to apply
- Writing your personal statement
- Key dates and deadlines
- How we process your application
- After you’ve applied

If you are made and accept an offer, and meet any outstanding conditions, we will confirm your place and look forward to warmly welcoming you at the start of your life here at Warwick.

warwick.ac.uk/study/undergraduate/apply

OVERSEAS APPLICANTS
At Warwick, we welcome applications from across the globe, and have dedicated teams available to advise and support, as well as a global network of Agents and Representatives.

warwick.ac.uk/io

STUDENT FEES AND FUNDING
We want to ensure that, wherever possible, financial circumstances do not become a barrier to studying at Warwick. We provide extra financial support for qualifying students from lower income families.

warwick.ac.uk/studentfunding

Contact Us
- dcsadmissions@warwick.ac.uk
- warwick.ac.uk/dcs
- +44 (0)24 7652 3193

The bar-chart infographics used in the leaflet is designed to give an indication of typical course content only. Exact amounts will vary depending on which variant of the course you take, module choice and availability, and are subject to change in line with course updates.

ACCOMMODATION
We manage approximately 7,500 self-catered rooms on campus for different budgets and requirements. Living on campus in your first year gives you the opportunity to meet people and form friendships whilst never being more than a short distance from your lectures or our amazing campus facilities. At Warwick, you’ll enjoy the freedom of independent living with the security of knowing you’re surrounded by people who can support you.

warwick.ac.uk/accommodation

DISCOVER MORE
If you have questions about living and studying at Warwick, speak to our current students to get answers on:
- Campus life
- Accommodation
- Study support, wellbeing and more

warwick.ac.uk/study/unibuddy

This course information was accurate at the time of publication (September, 2023). While the University tries to ensure that the information is accurate, it does not warrant that this is the case. The University may need to make changes including to the course content, syllabus, delivery, methods of assessment, or to comply with external accrediting or reviewing bodies. It is therefore important that you revisit the relevant course website before you apply and when you accept an offer to ensure you are viewing the most up to date information. This information should not be construed as an offer and nor does it create a contract or other legally binding relationship between the University and you or a third party. For full terms and conditions, please visit warwick.ac.uk/ugtermsandconditions.