Cardiff University School of Computer Science and Informatics

WORLD LEADING RESEARCH

ACADEMIC EXCELLENCE

HIGH EMPLOYABILITY

TRANSFERABLE SKILLS

www.cardiff.ac.uk/computer-science
Insider Information – Find out more...
Want to know what life at Cardiff is really like?
Our insiders are real students studying a range of subjects. You can read their blogs, post comments and message them on Facebook and Twitter.
To find out more go to: www.cardiff.ac.uk/insiders

93% of our graduates were in employment and/or further study six months after graduating

Friendly Supportive environment
Modern teaching laboratories
Discover the **Cardiff Experience**

**A leading university . . .**

- You’ll be part of a Russell Group university - one of the UK’s world-class universities.
- You can choose from more than 350 degree programmes. The Cardiff University degree is known and respected worldwide with a substantial number accredited by the professions and other external bodies.
- You’ll benefit from outstanding teaching in a research-led environment - Cardiff is ranked in the UK’s top 5 universities for research quality.
- Staff include a Nobel Laureate and numerous Fellows of the Royal Society and other prestigious institutions.

**in an outstanding city . . .**

- You’ll live in a friendly, compact and safe city with all your study, living and leisure needs within walking distance.
- Your money will go further at Cardiff with capital city attractions at provincial prices - Cardiff is amongst the most affordable/cost-effective student destinations in the UK.¹

**with able and motivated students . . .**

- You’ll be at a first choice university where demand for places is strong.
- You’ll be studying in an environment with able and motivated students who have high grades at A-level or equivalent.
- You’ll be at an international university with students from more than 100 countries who have excellent career prospects.

**who have excellent career prospects.**

- You can be confident of your future prospects - 95% of our students were employed or had entered further study within six months of completing their studies.²
- You’ll be in demand - Cardiff is among the top 25 universities targeted by employers seeking high calibre graduates.³

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**Notes**

1. Research by NatWest 2017
2. HESA Destination of Leavers Survey 2016
3. High Fliers Research The Graduate Market 2017

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**CardiffConnected**

[www.cardiff.ac.uk](http://www.cardiff.ac.uk)

- @cardiffuniug
- facebook.com/Cardiffuniug
- instagram.com/cardiffuni
- youtube.com/user/cardiffuni

**Contact us**

For students from the UK and EU:

Tel: 029 2087 4455
Email: enquiry@cardiff.ac.uk

For students from the rest of the world:

Tel: +44 (0)29 2087 4432
Email: international@cardiff.ac.uk
Welcome
The School of Computer Science and Informatics offers flexible and diverse degree programmes to suit the different expectations and aspirations of today’s students.

Based in Europe’s youngest capital city, we are blessed with a great location and excellent facilities for you to reach your full potential.

The prospects for graduates in Computer Science from Cardiff University remain very strong, with 93% finding employment and/or further study six months after graduating. Our BSc in Computer Science offers the option of a placement year, allowing students the opportunity to gain valued experience in paid employment. The programme combines a solid foundation of fundamental Computer Science concepts, with research-led modules covering topics such as Artificial Intelligence, Multimedia, Data Processing, High Performance Computing, Computer Graphics, Security and Forensics.

Employability and innovative teaching are at the heart of our BSc Applied Software Engineering programme, with a focus on the skills, knowledge and hands-on experience required to be immediately effective as a commercial software engineer. Modules feature close interaction between students, academic staff and industry, with an emphasis on up-to-date cloud, mobile and web technologies.

Our academic staff members are enthusiastic technologists and computer scientists, being leaders in the areas of their expertise and keen to share their skills, knowledge and understanding. Much of the research that our School undertakes is internationally leading and part of our mission is to share the excitement of discovery and innovation with our students.

If you want to learn more about life in our School, please feel free to join us on Facebook and Twitter, and you are welcome to check out what our alumni are doing on LinkedIn. It would be a pleasure to see you in Cardiff, and on behalf of all staff here at the School of Computer Science and Informatics, may I wish you the best of luck with your future studies.

Professor Stuart Allen
Head of School

This brochure will provide you with more details of our programmes. We hope that they will give you more than just a flavour of what we have to offer you. However, we are always ready to answer any questions you may have, by post, telephone or email, or when you come to Cardiff for a visit. You will find the appropriate contacts at the end of this brochure.

Important Legal Information
The contents of this brochure relate to the Entry 2018 admissions cycle and are correct at the time of going to press in November 2017. However, there is a lengthy period of time between printing this brochure and applications being made to, and processed by, us so please check our website [www.cardiff.ac.uk] before making an application in case there are any changes to the course you are interested in or to other facilities and services described here. Where there is a difference between the contents of this brochure and our website, the contents of the website take precedence and represent the basis on which we intend to deliver our services to you.

Any offer of a place to study at Cardiff University is subject to terms and conditions, which can be found on our website [www.cardiff.ac.uk/offerterms] and which you are advised to read before making an application. The terms and conditions set out, for example, when we might make changes to your chosen course or to student regulations. It is therefore important you read them, and understand them.

If you are not able to access information online please contact us:
Email: enquiry@cardiff.ac.uk
Tel: 029 2087 4455

Your degree: Students admitted to Cardiff University study for a Cardiff University degree.
Cardiff: A capital city

The Principality (Millennium) Stadium nestles in the heart of the city, and is home to numerous sporting events and concerts throughout the year.
Cardiff is a thriving and attractive city, which is widely recognised as an outstanding place in which to live and study. It combines all the advantages of a compact, friendly and inexpensive location, with the cultural and recreational facilities of a modern capital city.

Cardiff offers everything from the excitement of the city to the peace and tranquility of the nearby coast and countryside. With its distinctive character, good quality of life, and growing national and international reputation, it hosts many high-profile cultural and sporting events, including international rugby, soccer, cricket and motor sport.

When it comes to entertainment, Cardiff is well-equipped to satisfy student needs. There is a multitude of cafés, pubs and nightclubs. The city is home to the world-renowned Welsh National Opera, it boasts prestigious concert venues such as the Wales Millennium Centre, St David’s Hall and the Motorpoint Arena, as well as the iconic Principality Stadium, the National Museum Wales, several theatres and the historic Cardiff Castle.

Cardiff is the location for award-winning television productions, including Doctor Who, Sherlock, Torchwood and Casualty.

The city is one of the UK’s best shopping destinations, with St David’s Dewi Sant retail centre standing alongside pedestrianised shopping streets, indoor and outdoor markets, and a fascinating network of glass-canopied Victorian and Edwardian arcades.

Cardiff also has more urban green space than any other UK city, and offers easy access to the countryside, coast and mountains.

Lively, elegant, confident, cosmopolitan and ambitious are all words readily used to describe modern-day Cardiff. Together, the city and the University provide students with the ‘Cardiff Experience’, a lifestyle our students remember long after graduation.

Don’t just take our word for it . . .
“Cardiff is one of Europe’s youngest capital cities – small enough to be friendly and big enough to offer the best of living in a major city.”
The Complete University Guide 2017

Come and see for yourself . . .
Cardiff benefits from excellent road and rail links with Britain’s other major towns and cities. London, for example, is two hours by train, and the M4 links both the West and South of England, as well as West Wales. Travel to the Midlands and to the North is equally convenient. The journey by road from Birmingham, for example, takes only two hours. The main coach and railway stations are both centrally placed, and Cardiff also benefits from an international airport.

“Cardiff seems to have it all: grand civic architecture in a breezy waterside location, super-smart city bars and venues just a short hop from lovely countryside.”

Guardian University Guide 2016
Cardiff University has an international reputation for excellence in teaching and research, built on a history of service and achievement since 1883, and recognised by our membership of the Russell Group of leading research-led universities.

With attractive and compact campuses, excellent student accommodation, and a hugely popular Students’ Union, all within easy walking distance of each other in a thriving city, it is not surprising that Cardiff is a first choice university for many.

We admit approximately 5,000 undergraduate entrants each year, the majority of whom are school and college leavers, and have high grades at A-level or equivalent. While competition for entry is strong, Cardiff is an inclusive university with a good record on widening participation and fair access, and we welcome applications, irrespective of background, from everyone with the potential to succeed at Cardiff University.

The University’s Cathays Park Campus is located in and around the impressive Portland stone buildings, parks and wide tree-lined avenues that form Cardiff’s attractive civic centre. The majority of academic schools are located here - just a few minutes’ walk from the city centre. The three academic schools offering healthcare courses (excluding Optometry and Pharmacy) are based at the Heath Park Campus, approximately one mile away, which is also home to the University Hospital of Wales.

Although dating from 1883, Cardiff is focused on the 21st century, and has modern state-of-the-art buildings and facilities. The University has invested substantially in its estate in recent years and continues to do so today. Most academic schools have benefited from major refurbishment, including new and well-equipped laboratories, lecture theatres, libraries and computing facilities. International opportunities are available via our Global Opportunity Centre. These include study, work and volunteering placements in 27 EU countries as well as international exchange opportunities. All students also have the opportunity to study a language, in addition to their degree, through the University’s Languages For All programme.

The University takes its environmental, safety and security responsibilities very seriously. It has comprehensive policies in place which are making great savings in energy consumption and, to support the safety and security of all members of the University community and their property, there is 24-hour security cover throughout the campus.

What the Guides say...

“The University is as confident and forward-looking as the city it’s located in, and has an excellent reputation for the quality of its teaching and research.”

Guardian University Guide 2016

Cardiff University is among the best in the UK for preparing graduates for the workplace.

Times Higher Education – Global University Employability Ranking 2016

Cardiff offers one of the best student experiences in Wales, according to the latest Times higher Education UK Student Experience Survey.

www.cardiff.ac.uk/computer-science
Living in Cardiff
Accommodation
Cardiff offers guaranteed University accommodation of good quality and value, and a range of residences to suit individual preferences and budgets.

All undergraduates who accept their offer of a place from Cardiff, on a firm basis, are guaranteed a single occupancy place in University residences during their first year of study.

Please see our website for full details of our accommodation guarantee and associated deadlines: www.cardiff.ac.uk/residences

The University is continually investing in its student residences, and the views of students are taken into account at the design stage. Unusually for a civic university, most of our residences are within easy walking distance of lecture theatres, libraries, laboratories, the Students’ Union and city centre.

There are 15 different residences, providing more than 5,500 study bedrooms and students can apply for the residences which best suit their preferences, interests and budgets. Some 70% have en-suite shower and toilet facilities and all halls of residence have computer network connection points and access to Wi-Fi.

Fees depend on the facilities included and whether catered, part-catered or self-catered, but prices compare very favourably with those of other UK universities. Besides managing University property, the Residences Office maintains close links with the private sector and provides assistance to students seeking to rent or share houses or flats.

Student Life
The Students’ Union
Cardiff Students’ Union is one of the biggest, best and most active in Britain. A multi-million pound investment has been made in Union facilities in recent years, which has included a new venue called Y Plas, which at night becomes a nightclub.

Hosting live music, club nights, stand-up comedy, fashion shows and awards ceremonies, there’s lots to keep you entertained from your first day to your last.

Other facilities include a food court, a bank, a print shop, a hair salon and a bookshop. The Lounge offers IT and Skyping facilities, meeting rooms and a “chill-out” area, as well as snooker tables and multi-faith prayer room. The Union also has its own letting agency and an Advice and Representation Centre. In addition, it is home to CU TV and Xpress Radio (the students’ own TV and radio stations) and more than 200 cultural, political, religious, social, sporting societies and clubs.

Jobshop
Jobshop is the Union’s own student employment service and provides casual, clerical and catering jobs around the University to hundreds of students.

As a fast developing capital city, Cardiff is a great place to be a student. It’s large enough to offer you an exciting variety of activities and entertainment, but small enough for you to feel comfortable in.

What the Guides say . . .
“Cardiff is one of the best UK cities for young adults because of its low cost of living, good job opportunities and decent wages.”
The Complete University Guide 2017

Cardiff is amongst the most affordable/cost effective student destinations in the UK.
Research by NatWest 2017

“Cardiff has one of the biggest, best and most active students’ unions in the UK and is currently benefitting from a multi-million pound investment.”
The Complete University Guide 2017
Teaching, Learning and Assessment

Computer Science students will be taught key skills such as programming through a combination of lectures and lab-based practical sessions for relevant modules. Further support mechanisms are used to help digest material such as example classes, tutorials and help sessions, amounting to around 25 formal contact hours a week during year one. There are fewer contact hours during the latter stages of the programme as the skills to take control of your own learning experience have been acquired. Applied Software Engineering students have 15 hours of contact time a week for the duration of the degree.

Teaching is organised in modules, split over two semesters (Autumn: 14 weeks, Spring: 17 weeks); in each there are 11 teaching weeks, followed by weeks dedicated to revision, projects and exams.

Your progress in each module will be assessed during and/or at the end of the semester in which it is taught. All modules include assessments, which are intended to assist your understanding and to provide you and your allocated tutors a means of assessing your progress. Methods of final assessment include written examinations and assessed coursework, and a combination of both.

Friendly, Supportive Staff

At the start of the course you are allocated a personal tutor, who is an academic member of staff in the School, and serves as a point of contact to advise on both academic and personal matters in an informal and confidential manner.

Your personal tutor will monitor your academic progress and will also supply references in support of any job applications that you make.

You will meet your personal tutor frequently during your first year of study. During years two and three a reduced schedule of contact sessions is used, taking account of the increasing academic demands on you as you progress. Outside of scheduled tutor sessions, senior personal tutors run an open door policy, being on hand to advise and respond to any personal matters as they arise.

The exciting and dynamic fields of Computer Science and Informatics underpin many aspects of modern life. Our stimulating and cutting-edge degree programmes will give you a real advantage in the job market, with a qualification highly regarded by employers, and allow you to position yourself to take full advantage of future technological developments.
Student Feedback Mechanisms
The School has a student/staff panel consisting of members of teaching staff and elected student representatives who meet to discuss academic issues. Any issues that you feel need attention can be highlighted to your student representative, who will raise the query with the panel.

In conjunction with the work of the panel, all students are provided with an opportunity to complete feedback questionnaires at the end of the Autumn and Spring semesters. These mechanisms allow the School to constantly review courses and ensure our students receive the best provision, delivered in a consistent manner, across all of our degree programmes.

Library Facilities
The School library is conveniently located in the Queens Buildings, within the same complex as the School itself. Students can borrow up to 15 books at any one time, with a standard loan period of up to three weeks. Books in heavy demand, such as recommended texts, can usually only be borrowed for shorter periods of time. Some books can also be accessed electronically.

The library staff are on hand to offer specialist assistance and provide workshop training in information searching and literature research.

The Trevithick Library also offers a PC room, 24 open access computers, self service issue/return, 24 hour book return and bookable group study rooms, each equipped with a plasma screen.

School Facilities
The School has 5 well-resourced cross-platform laboratories, comprising Macs, Windows and Linux based machines, accessible solely by students from the School. The majority of these labs can be accessed on a 24/7 basis and provide our students with free printing facilities.

The University campus is covered by the Cardiff University Wireless Network, which is freely available upon registration to staff, students and invited guests, offering flexible access to online resources via laptop, tablet and Wi-Fi enabled phones.

Our facilities are consistently rated very highly by students voting in the annual National Student Survey

National Software Academy
Our award-winning National Software Academy offers students the opportunity to combine academic study of relevant and leading-edge technologies with practical experience of working directly with industry on ‘real life’ projects. This innovative combination means that our graduates stand out as highly employable leaders in their field.

Based in Newport, the Academy is a partnership between Cardiff University, Welsh Government and industry leaders. It was established to address the current unmet demand for skilled software engineers.

Students on the BSc Applied Software Engineering programme work in a dynamic, tech start-up atmosphere, using software-based solutions to solve real problems for clients from a range of sectors.

Since it was established in 2015 the National Software Academy has won a number of technology awards, in recognition of its innovative approach to involving industry and industrial practices in teaching.

To find out more about our BSc Applied Software Engineering course please see details on page 18-19.

You will be taught in modern teaching spaces with access to excellent facilities
School Life

We pride ourselves on our reputation of being a small, inclusive, friendly School, and recognise the importance of giving our students the opportunity to take part in extra activities if they wish. As the majority of our current students and successful graduates say, the more you put in during your time at university and get involved, the more you will get out of your experience with us.

Here is a taste of our School’s popular extracurricular activities which you will be warmly encouraged to join:

Computer Club

All students at the School of Computer Science and Informatics are welcome to attend our popular Computer Club. Now established for a number of years, the club is an informal mix of students and staff who come together to discuss ideas and experiment with exciting, innovative and emerging technologies. Club members also hold an annual student-led open-sourced Hackathon, in which teams share their skills and knowledge of computer programming to produce a program in a limited amount of time. This has grown year-on-year, with companies such as Box UK, GCHQ and IBM providing sponsorship for previous events.

The Computer Club also organises events and trips to organisations such as IBM Hursley, Bletchley Park and Renishaw. These have always proved to be hugely popular and beneficial to all students who attend.

ComSci Society

The Computer Science and Informatics Society (ComSci) is an award winning society dedicated to the students of the School of Computer Science and Informatics. It is designed to allow students to interact freely with each other outside of the academic environment. The aim is to provide students with the opportunity to socialise, network and gain greater knowledge about their chosen degree. Students mix across all degree schemes and year groups, both within and outside the School of Computer Science and Informatics, allowing students interested in the subject and those currently studying a degree within the School to socialise together.

Megan Jevin,
ComSci President 2015-16
“We aim to provide a fun environment with frequent socials and charity events to help students not only enjoy their time at university, but contact with the community and give a little back.”
Engagement

Our engagement work relates to public awareness, contributions to the local community and cooperation with industry. Students are provided with excellent opportunities to gain valuable experience in working with others to help make a valued contribution within the community, which looks great on a CV.

STEM Ambassador Scheme

The School has established a team of student STEM (Science, Technology, Engineering and Mathematics) Ambassadors who visit local primary and secondary schools to deliver workshops to pupils on coding and other important elements of computer science.

Following a hugely successful pilot year – in which Ambassadors visited 14 schools around South Wales, reaching more than 100 pupils – we have recently recruited a new, larger batch of students as demand for the scheme grows.

Technocamps

The Ambassador Scheme supports Cardiff University’s work as a Technocamps Hub – a Welsh Government programme providing young people aged 11-19 with computing-based outreach sessions – enhancing the new computer science curriculum in schools and giving school students and teachers an appreciation of computer science at university level.

Our students deliver Technocamps workshops using introductory programming languages such as Logo, Python, Scratch and Greenfoot, providing a gentle and fun introduction to computer science.

Ambassadors have also contributed to activities within the School of Computer Science and Informatics, assisting at Teacher CPD workshops, University Open Days and College events such as the STEM Conference and STEM Live events.

All students are welcome to volunteer as an ambassador. You will be provided with information at the start of your studies with us – usually during induction week – and will receive plenty of training, advice and support from relevant staff and fellow students already involved in the scheme.

Jamie Hall,
BSc Computer Science

“The Computing Club is great because it’s an opportunity to get to know students in other years, as well as staff we might not be lectured by, and to socialise and work together on a weekly basis. It’s fantastic for enabling us to try out new things and learn more about what we’re interested in. I’ve learned so many interesting technologies and skills, while meeting new mates and getting the most out of my degree.”

A popular student-led open-sourced Hackathon has become an annual fixture in the School’s calendar

www.cardiff.ac.uk/computer-science
Employability and Careers

Employment prospects for our graduates in the computing and ICT industry are excellent. Our graduates are equipped with the transferable skills that open doors to careers in all sectors of the economy.

Rob Hemsley
Software Developer at Shaper
Graduated from BSc Computer Science with a 1st

“I had a fantastic experience studying at Cardiff as I was given the support and encouragement to experiment and explore in and around the course. The lecturers are truly passionate about their work and so lectures provided a real insight into their research and the foundations of the discipline. I particularly enjoyed doing my final year project where I was able to propose and undertake a project on a topic of my choosing. The department also has some great opportunities to learn new skills outside of the course at groups such as the Computer Club to experiment with new exciting technologies. Having the trust, support and access to leading researchers at Cardiff helped to build my skills and portfolio of work that enabled me to apply to MIT (Massachusetts Institute of Technology) and gain a position within the Media Lab research group.”

Richard Coombs
Robotics Software Engineer at Dyson
Graduated from BSc Computer Science with a 1st

“I very much enjoyed my Computer Science degree at Cardiff. The School is very well equipped and supportive, making my degree a thoroughly enjoyable experience. As I graduated a few years ago, I have been able to see just how well my degree has helped me start a prosperous career. I am still pleased that I read Computer Science as it is vocational and leaves you with many career options. Personally, I chose to stay at the School to undertake research for a PhD in the field of opportunistic networks - I even did some teaching. I was then able to get a job developing safety-critical air traffic control software at Altran. Now, I work with embedded systems as a Robotic Software Engineer at Dyson. My degree has already provided me with several interesting and varied career options, for which I am very grateful!”

Students at the National Software Academy are given the option to undertake a Summer work placement, and have so far been placed with the likes of Admiral, Laing O’Rourke, Sorenson Media and the Office for National Statistics.

Here is what a team leader at Admiral had to say about one of our recent Summer placement students:

“Gareth created a very good impression at his interview and he has certainly lived up to the promise. He has been given the opportunity to get involved in all aspects of the work that the team do and he has taken full advantage of this. He has been given the opportunity to work with our Product Owner, complete coding tasks and develop new applications such as the 360 feedback site he is developing. Gareth has worked with new technologies that will greatly help him in his studies and has benefitted from the guidance and mentoring of some of our most experienced and capable developers. He has taken full advantage of all opportunities and has made a massive contribution to the team in the short time he has been with us. I would have no hesitation in giving him the opportunity to put himself forward for any future openings we have.”

Careers and Employability Service

The University offers a careers and employability service for students, graduates and postgraduates. You can access careers information, explore your options and speak to a consultant who can advise you of opportunities relating to your degree or preferred field, including advice on postgraduate degrees. The service offers guidance on preparing a CV and job applications and gives you the chance to meet and network with top graduate recruiters at Careers Fairs and events. If you are looking for work experience, the careers service can assist with planning and organising your placement.

www.cardiff.ac.uk/studentsupport
Our Degree Programmes

The School of Computer Science and Informatics aims to educate and inspire the next generation of national and international leaders in the discipline.

We regularly review and update our degrees to ensure the content is both contemporary and relevant.

Our BSc Computer Science degrees aim to give you a dynamic, theory-based and practical understanding of computer science. These degrees are accredited by the BCS, the Chartered Institute for IT.

They are informed by the latest internationally recognised research coming from our School, and taught by experts in their field.

We are pleased to offer our Computer Science degrees with the option to take a year of paid professional placement in industry between years two and three. Or you may wish to spend a year studying abroad at one of our partner universities. Please see pages 20-21 for further information.

The BSc Applied Software Engineering degree aims to produce work-ready software engineers with a hands-on approach, working directly with industry.

This degree is taught from the National Software Academy, a part of the School of Computer Science and Informatics. All teaching and learning is centred around the delivery of real-life industry projects, a key distinguishing feature of the degree.

You will work side-by-side with your fellow students and lecturers to create innovative software for real clients, in an energetic start-up atmosphere.

We place a strong emphasis on employability, and have established an External Advisory Board (EAB) made up of successful figures from industry and academia who provide guidance, insight and feedback on our learning and teaching. Members help the School to address questions around computing trends, employability and skills, and curriculum development.

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<tr>
<th>Title</th>
<th>UCAS Code</th>
<th>Duration</th>
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<tr>
<td>BSc Applied Software Engineering</td>
<td>4JVD</td>
<td>3 years</td>
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<tr>
<td>BSc Computer Science</td>
<td>G400</td>
<td>3 years</td>
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<td>BSc Computer Science with Year in Industry</td>
<td>G401</td>
<td>4 years</td>
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<td>BSc Computer Science with a Year of Study Abroad</td>
<td>126V</td>
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<tr>
<td>BSc Computer Science with High Performance Computing</td>
<td>GLGK</td>
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<td>BSc Computer Science with High Performance Computing with Year in Industry</td>
<td>GKGL</td>
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<td>BSc Computer Science with Security and Forensics</td>
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BSc Computer Science

Overview
This accredited degree provides both the theoretical and practical knowledge required to become a part of the exciting and dynamic world of computer science which lies at the heart of almost all aspects of modern life.

You will develop transferable technical, analytical and professional skills, supported by a broad awareness of current technology trends. The course covers a mixture of core techniques and concepts and evolving, technology-based subject matter.

Graduates are able to objectively analyse problems and develop appropriate computational solutions. Your detailed understanding of technology will make you suitable for a range of professional careers and sought-after by employers.

BSc Computer Science and specialisms are also available as a 4 year degree with a Year in Industry or with a year of studying abroad at one of our partner universities – see pages 20-21 for further details.

About the Course
This three-year course begins by introducing basic computing skills and concepts which will underpin the degree. Short projects in year one are followed by a substantial team project in year two, when you use new skills and knowledge to design and implement a software system. In year three, you focus on emerging technologies and research-led options, and undertake an individual project centred on your own interests.

Year One
The course does not require any prior knowledge or experience of computer science. The modules taught in your first year are designed to introduce the fundamental computing skills and concepts that will form the basis of your degree.

All Computer Science degrees begin with a month-long module called Computational Thinking, which aims to improve the transition from the classroom to the lecture theatre and increase your understanding of what you can achieve within your degree.

Whilst introducing you to the fundamental aspects of computer programming, architecture and design, the Computational Thinking module also offers you an opportunity to develop key skills such as problem solving, reflection, communication and group work, all of which will support your future studies and eventual transition into the workplace. Students gain confidence and reassurance through communication with peers who are all facing the same challenges.

Further modules will focus on the programming of algorithms using languages such as Python and Java™, an understanding of Internet and web technologies, computer architecture and operating systems, software engineering principles and mathematics for computer science.

Year Two
Building on the foundations of the first year, the modules taught in the second year expand your understanding, skills and experience by introducing more advanced topics. Some choice is also introduced through optional modules. The structure and processing of data is further explored and simple algorithms are expanded into applications that are able to communicate via networks. Skills developed so far are applied during a team project to professionally design and implement a software system.

Year Three
You will focus on emerging technologies and advanced topics which are often informed by the School’s research. There are a number of optional modules to choose from depending on your specific interests. Contemporary topics include computer security and forensics investigation, high performance computing, artificial intelligence, computer vision, graphics, and multimedia. You will complete an individual project under staff supervision, driven by your interests.

Specialist Degree Programmes
Themed versions of the BSc Computer Science degree feature pre-defined third year module choices in which you will specialise in well-regarded areas of the discipline:

BSc Computer Science with High Performance Computing

This specialism is concerned with the efficient application of often large-scale, distributed computing resources, such as groups of computers or dedicated graphics processing hardware. You will focus on understanding and applying sound computing principles in this complex and evolving area of computer science. Your year three modules will emphasise the nature of parallel and distributed computation in these environments and some of the challenges presented by cloud computing.

BSc Computer Science with Security and Forensics

An increase in the business use of Internet-based applications and the rise in computer based crime, together with the impact of applications such as Facebook and Twitter, has changed the nature of security risks, making Security and Forensics of real value to employers. This degree provides a firm understanding of the principles, tools and technologies needed to ensure that an organisation’s investment in Information and Communications Technology meets its needs in a secure manner.

BSc Computer Science with Visual Computing

This degree focuses on the challenging area of visual computing. You will learn how computers can obtain, manipulate, represent and understand visual data, such as images, video and 3D scenes. In addition, you will develop and practice in-depth technical skills in areas such as graphics, image processing and visualisation.
### Year One Modules

**Key:** A – Autumn  S – Spring  AS – Both semesters  
- Compulsory module  ● Optional module

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credits</th>
<th>BSc Computer Science</th>
<th>BSc Computer Science with High Performance Computing</th>
<th>BSc Computer Science with Security &amp; Forensics</th>
<th>BSc Computer Science with Visual Computing</th>
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<tbody>
<tr>
<td>Computational Thinking</td>
<td>A</td>
<td>20</td>
<td>■</td>
<td>□</td>
<td>□</td>
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</tr>
<tr>
<td>Web Applications</td>
<td>AS</td>
<td>20</td>
<td>■</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Problem Solving With Python</td>
<td>A</td>
<td>20</td>
<td>■</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Developing Quality Software</td>
<td>AS</td>
<td>20</td>
<td>■</td>
<td>□</td>
<td>□</td>
<td>□</td>
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<tr>
<td>Architecture and Operating Systems</td>
<td>S</td>
<td>10</td>
<td>■</td>
<td>□</td>
<td>□</td>
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</tr>
<tr>
<td>Maths for Computer Science</td>
<td>S</td>
<td>10</td>
<td>■</td>
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</tr>
<tr>
<td>Object Oriented Java Programming</td>
<td>S</td>
<td>20</td>
<td>■</td>
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</tbody>
</table>

### Year Two Modules

**Key:** A – Autumn  S – Spring  AS – Both semesters  
- Compulsory module  ● Optional module

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credits</th>
<th>BSc Computer Science</th>
<th>BSc Computer Science with High Performance Computing</th>
<th>BSc Computer Science with Security &amp; Forensics</th>
<th>BSc Computer Science with Visual Computing</th>
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<tbody>
<tr>
<td>Human Computer Interaction</td>
<td>S</td>
<td>10</td>
<td>□</td>
<td>■</td>
<td>□</td>
<td>□</td>
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<tr>
<td>Enhancing your Employability</td>
<td>A</td>
<td>10</td>
<td>■</td>
<td>□</td>
<td>□</td>
<td>□</td>
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<tr>
<td>Database Systems</td>
<td>A</td>
<td>10</td>
<td>■</td>
<td>□</td>
<td>□</td>
<td>□</td>
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<tr>
<td>Computational Mathematics</td>
<td>A</td>
<td>10</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Systems Modelling</td>
<td>A</td>
<td>10</td>
<td>●</td>
<td>●</td>
<td>■</td>
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</tr>
<tr>
<td>Data Processing and Visualisation</td>
<td>A</td>
<td>10</td>
<td>●</td>
<td>●</td>
<td>■</td>
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<tr>
<td>Enterprise Architecture and Implementation</td>
<td>S</td>
<td>10</td>
<td>●</td>
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<tr>
<td>Informatics</td>
<td>S</td>
<td>10</td>
<td>●</td>
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<tr>
<td>Introduction to the Theory of Computation</td>
<td>S</td>
<td>10</td>
<td>●</td>
<td>●</td>
<td>■</td>
<td>□</td>
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<tr>
<td>Scientific Computing</td>
<td>S</td>
<td>10</td>
<td>●</td>
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<td>■</td>
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<tr>
<td>Communication Networks</td>
<td>AS</td>
<td>20</td>
<td>■</td>
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<tr>
<td>Object Orientation, Algorithms and Data Structures</td>
<td>AS</td>
<td>20</td>
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<td>Group Project</td>
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### Year Three Modules

**Key:** A – Autumn  S – Spring  AS – Both semesters  
- Compulsory module  ● Optional module

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credits</th>
<th>BSc Computer Science</th>
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<th>BSc Computer Science with Security &amp; Forensics</th>
<th>BSc Computer Science with Visual Computing</th>
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<tr>
<td>High Performance Computing</td>
<td>A</td>
<td>20</td>
<td>●</td>
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<tr>
<td>Information Assurance</td>
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<td>Large-Scale Databases</td>
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<td>Multimedia</td>
<td>A</td>
<td>20</td>
<td>●</td>
<td>●</td>
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<td>□</td>
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<tr>
<td>Business Systems Analytics and Intelligence</td>
<td>A</td>
<td>10</td>
<td>●</td>
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<td>Knowledge Management</td>
<td>A</td>
<td>20</td>
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<td>Project Management</td>
<td>A</td>
<td>10</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Combinatorial Optimisation</td>
<td>A</td>
<td>10</td>
<td>●</td>
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<tr>
<td>Security</td>
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<td>10</td>
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<tr>
<td>Forensics</td>
<td>A</td>
<td>10</td>
<td>●</td>
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<tr>
<td>Artificial Intelligence</td>
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<td>10</td>
<td>●</td>
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<tr>
<td>Computer Vision</td>
<td>A</td>
<td>10</td>
<td>●</td>
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<td>10</td>
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<tr>
<td>Emerging Technologies</td>
<td>S</td>
<td>20</td>
<td>■</td>
<td>□</td>
<td>□</td>
<td>□</td>
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<tr>
<td>Individual Project</td>
<td>S</td>
<td>40</td>
<td>■</td>
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</tbody>
</table>
Overview

The BSc Applied Software Engineering aims to make you a highly employable software engineer, with the skills, knowledge and hands-on experience required to be effective immediately after graduation. The course aims to develop your abilities for creating software-based solutions to real problems in a dynamic, tech start-up atmosphere.

This innovative degree is taught from the National Software Academy in Newport, where you will gain experience in hands-on software development using current commercial tools and techniques coupled with direct industrial involvement.

The course syllabus has been designed in close collaboration with industry. We focus on cloud, mobile and web development, with an emphasis on technology and standard industry practices.

About the Course

A key distinguishing feature of this degree is that theory, teaching and learning will be delivered through real world software development projects. Students work individually and in teams to manage, design, code, test and maintain high quality software.

Software developed as part of the course will be presented back to real business customers.

You will learn and apply skills in an environment that feels less like a lecture theatre or laboratory and more like a software development company. From the earliest days on the course, you will be immersed in a project environment where communication, planning and teamwork skills will be developed and where you will learn how to make effective use of your skills and your time.

The course provides a myriad of different ways to engage with industry, including projects, lunch and learn talks and networking sessions. A key feature is our successful summer placement scheme that encourages students to spend the summer period on placement with an industrial partner.

Year One

In year one you learn to think like a programmer and begin to code in a professional manner. You will work primarily with languages such as Java and Python to design, develop and deploy mobile and web applications according to the needs of customers. You will learn how to use industry-standard tools that are used by real-world developers, following best-practice to develop quality software.

You will begin to develop your professional skills, including communication and project management and the principles of agile development.

Year Two

In year two, you will work on larger, more complex and technically difficult projects. You will expand your knowledge in areas such as performance and scalability, databases, security and DevOps. This will be necessary to support the scale, resilience and security needs of your cloud-based enterprise solutions. At this point you are expected to be leading project meetings to plan and manage development work for a team, and regularly holding meetings with customers.

Year Three

In the final year you will learn about emerging trends, and use them to develop a product with an appreciation of the latest languages, frameworks and tools. You may collaborate with other development teams and will lead customer meetings as part of the Large Team Project.

The final year builds upon the experiences of years one and two, and brings together all of the elements you will need in order to think and work as a commercial software engineer.

www.cardiff.ac.uk/computer-science
This degree is delivered at the National Software Academy in the heart of Newport. Journey time from Cardiff to Newport is 12 minutes by train, and the Academy is situated next to Newport railway station. All travel costs are included in the degree. As a student of Cardiff University, you will still enjoy full access to all Cardiff University facilities and services.

**BSc Applied Software Engineering Modules**

### Year One Modules

**Key:** A – Autumn  S – Spring  AS – Both semesters  
All modules are compulsory

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Web Development</td>
<td>A</td>
<td>20</td>
</tr>
<tr>
<td>Software Development Skills 1</td>
<td>A</td>
<td>20</td>
</tr>
<tr>
<td>Computational Thinking</td>
<td>A</td>
<td>20</td>
</tr>
<tr>
<td>Fundamentals of Computing with Java</td>
<td>S</td>
<td>20</td>
</tr>
<tr>
<td>Mobile Development with Android</td>
<td>S</td>
<td>20</td>
</tr>
<tr>
<td>Software Development Skills 2</td>
<td>S</td>
<td>20</td>
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</table>

### Year Two Modules

**Key:** A – Autumn  S – Spring  AS – Both semesters  
All modules are compulsory

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Database Systems</td>
<td>A</td>
<td>20</td>
</tr>
<tr>
<td>Agile Project Management</td>
<td>A</td>
<td>20</td>
</tr>
<tr>
<td>Commercial Applications with Java</td>
<td>A</td>
<td>20</td>
</tr>
<tr>
<td>Security</td>
<td>S</td>
<td>20</td>
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<tr>
<td>Performance and Scalability</td>
<td>S</td>
<td>20</td>
</tr>
<tr>
<td>DevOps</td>
<td>S</td>
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</tbody>
</table>

### Year Three Modules

**Key:** A – Autumn  S – Spring  AS – Both semesters  
All modules are compulsory

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial Frameworks, Languages, and Tools</td>
<td>A</td>
<td>20</td>
</tr>
<tr>
<td>Adopting Technology</td>
<td>A</td>
<td>20</td>
</tr>
<tr>
<td>Emerging Technologies</td>
<td>A</td>
<td>20</td>
</tr>
<tr>
<td>Large Team Project</td>
<td>S</td>
<td>40</td>
</tr>
<tr>
<td>Managing Software Enabled Change in Large Scale Organisations</td>
<td>S</td>
<td>20</td>
</tr>
</tbody>
</table>
To ensure you really stand out from the crowd in the competitive job market, we offer the exciting opportunity to undertake your degree over four years with a salaried Year in Industry or spend a Year Abroad studying at one of our partner universities.

How Does it Work?
Your Year in Industry will normally last between ten and twelve months, taking place between taught years two and three, allowing you to practice and apply the new skills you will have learned so far. To progress to the Year in Industry you will need to have maintained an overall average of at least 50 percent and secured a suitable work placement. You will return to university following successful completion of your work placement at the start of the Autumn semester for your final year of studies.

A further benefit of choosing our Year in Industry option is that you may be able to draw upon the practical real life situations you encounter during your placement and incorporate it into your final year project.

Whilst students are responsible for finding their own placements, the School has a dedicated Placement Officer to ensure you have access to a broad variety of opportunities, and that you receive constant support and guidance throughout the whole process.

International Information
If you are an international student, it is possible for work placements to be undertaken overseas, allowing you to carry out your industrial placement in your home country (as with UK placements, this would be subject to the School’s Board of Studies deeming the placements as suitable). Under current UK BA Tier 4 visa regulations international students can undertake paid work for up to 50% of their visit duration.

Further Information
Students who are registered on a Year in Industry programme but who are unable to secure a suitable placement, will transfer their registration to the equivalent degree programme without placement and continue their studies by proceeding onto taught year three in the Autumn semester, following successful completion of taught year two, making their programme a three year degree.

It is expected that students on a Year in Industry will be paid by the companies or institutions for the duration of the placement.

The School does not guarantee that a placement can be found for all students.

Summer Placements
The School also encourages students to undertake a work placement during the Summer months. Students at the National Software Academy have the option to undertake a Summer work placement both between years one-two and two-three. Many of these placements are paid positions, and you will receive help in securing a suitable post. Learn more about our students’ experiences and the companies they work with on pages 14 and 21.

We have a great tradition of being involved with CUROP (Cardiff Undergraduate Research Opportunities Programme), which provides summer placements for Cardiff University undergraduates in the University research environment. CUROP students have completed projects in areas related to image analysis, visual computing, artificial intelligence, machine learning and digital signal processing.

Year Abroad
Some programmes in the school offer the option of studying abroad at an approved university in year three of the programme. This will give you an exciting opportunity to study Computer Science in a new environment and culture. It will allow you to develop the skills necessary to live independently outside the UK, and experience and appreciate the culture and life styles of the host country.
Students who have opted to take their degree with a salaried Year in Industry have secured placements with companies including:

- Accenture
- Airbus
- The Alacrity Foundation
- Bank of Ireland
- Boeing
- The Body Shop
- Cardiff University
- CERN
- Eysys
- GE Aviation
- GE Oil and Gas
- GSK
- Hewlett Packard
- JP Morgan Chaseideoba
- Lloyds
- Microsoft
- Porsche
- Red Bull Racing
- Renishaw
- Science and Technology Facilities

Billy Hickman
BSc Computer Science

“My placement was at Airbus Group, an umbrella company for multiple Aeronautics, Defence and Space related companies. The University has a close research relationship with Airbus Group, which allowed me to contact a manager directly and discuss potential placement opportunities. My role was in ‘Software Development’, helping to program technical solutions within different projects taking place within the team. I was able to work on different programming tasks that improved my technical ability, and I also improved my own personal development, including my ability to present and communicate in a professional manner.

The Year in Industry option provides an opportunity to not only broaden your learning away from an academic environment, but also allows you to consider your future job without any long-term commitments.”

Deborah Khoo
BSc Computer Science

“I did the Year in Industry because I wanted some work experience before I graduate. Through this one year work experience, I am able to understand the theory I learned in my second year better, and apply them. I feel more confident going back to do my final year.”

Jamie Highfield
BSc Applied Software Engineering

“I spent my placement at one of the Alacrity companies, Hut Six Security. The original and initial role of the placement was software engineering, mainly utilising the C# .NET programming language and the Microsoft Visual Studio IDE. As the placement progressed, I started looking into social media and marketing opportunities as well. The environment I worked in was very relaxed, I learnt a lot and felt as though I fit in very well.

I learnt a lot during the placement and very much enjoyed the work; but what I think I enjoyed most was the team, who were very friendly and relaxed, allowing me to work at my own pace that I was comfortable with. I also partook in lots of out-of-work activities, such as group social events and golf. Moving forward now that the placement has finished, I am now working for Hut Six Security part time as a Software & Systems Engineer. I was very grateful for the opportunities that have been opened up to me as a result of working with Hut Six Security.”

Viktoria Idakieva
BSc Computer Science

“I worked as a Software Developer for a company based in London. I loved it and am still working for the company doing two days a week remotely.

My role involved doing lots of testing and front-end development. There were a lot of things to learn because every company has a different structure and way of doing things. I was nervous but excited. I had to do research for one of my first tasks and felt that I was starting a new job as a developer, not as an intern. I felt I was able to experience industry and want to stay with the company.

I would definitely recommend the Year in Industry to any student thinking about it. Even though I learned a lot at uni, I learned confidence during my placement. I had never coded before coming to university; I had a media and communications background with no maths. The placement gave me the opportunity to blossom and become a developer.”
Cardiff University is currently home to more than 4,000 international students. Whatever your chosen field of study, you can be sure that you will be working with internationally respected academics, enjoying a great social life and making lifelong friends from across the world.

We are pleased to welcome students from all over the world. Malaysia, Saudi Arabia, India, and China are well represented, with other students coming from Nigeria, Pakistan, Qatar, USA, Hong Kong and Egypt.

Fees and Scholarships for International Students
Fees are reviewed on an annual basis. As an indicator, the fees for 2017-18 were set at £18,980. A number of partial scholarships are usually made available each year on a competitive basis. Details will be made available to offer holders, or you can contact pse-international@cardiff.ac.uk to enquire.

Support for International Students
The University provides all the information and support necessary to help ease the transition to life as a student at Cardiff. Once you have been made an offer here you will receive advice on immigration, visas, healthcare, climate and living in Cardiff.

We can arrange to collect you by coach from Cardiff or Heathrow airports. We provide an induction programme and, in the week before enrolment, there are various social events and visits to introduce you to Cardiff and to welcome you to Wales.

Study Skills Assistance
Throughout the year the University’s English Language Programmes Office provides English language and writing courses to international students studying at Cardiff.

Further Information
International Admissions Office: School of Computer Science and Informatics
Tel: +44 (0)29 2087 6436
Email: pse-international@cardiff.ac.uk
Web: www.cs.cardiff.ac.uk

The English Language Programmes Office
Tel: +44 (0)29 2087 6587
Fax: +44 (0)29 2087 6141
Email: elt@cardiff.ac.uk
Web: www.cardiff.ac.uk/elt
Research

Researchers at the School of Computer Science and Informatics are constantly working on new developments in areas such as visual computing, security and data privacy, and social computing.

Complex Systems

Our research spans four key themes: (i) cybersecurity; (ii) social and mobile computing; (iii) parallel and distributed systems; (iv) multi-criteria optimisation and mathematical modelling. Underpinning these key areas are issues of scale and complexity, with a particular emphasis on human/systems interaction. Most of the research is carried out in collaboration with colleagues internationally (in Europe, US, Singapore and Australia).

Our cybersecurity work covers aspects of information and mobile data security and location privacy, cyber risk in online social networks (e.g. malware propagation and analysis), security of industrial control systems (e.g. SCADA systems) and Cloud security.

Our work in mobile and social computation covers aspects of machine classification and statistical modelling of online social behaviour, understanding human personality, studying interaction with smart phones, and data science-based approaches for assessing risk to human safety.

Our parallel and distributed systems work focuses on high performance and distributed systems, covering various aspects of large-scale distributed systems management and performance analysis (such as Edge and Social Clouds), personal "Data Lakes" and scientific workflow systems. There is also more fundamental work in numerical algorithms and mapping of these to GPUs. This work closely aligns with efforts in multi-criteria optimisation and mathematical modelling.

Data and Knowledge Engineering

School research in the field of data and knowledge engineering specialises primarily in knowledge representation & reasoning, machine learning & data mining, and mobile & spatial informatics.

Our research is embedded in a variety of application domains, where we work closely with end-users. We develop novel techniques for capturing, modelling and processing information, to support knowledgeable decision-making.

Our expertise spans several core areas of artificial intelligence and informatics, including knowledge representation and reasoning, machine learning and data mining, and distributed intelligent systems.

The group’s research in knowledge representation and reasoning addresses a variety of formalisms, including logics of argumentation and non-monotonic reasoning, lexically-informed logics, and controlled natural language.

Our strengths in machine learning include text analytics, natural language processing, and privacy-protection in data mining.

Group members’ interests in distributed intelligent systems include context-aware decision support, sensor informatics, and heterogeneous information management using ontological approaches.

Visual Computing

Our research in visual computing spans a wide range of topics in the fields of computer vision, computer graphics, geometric computing and both image and video processing. A significant theme in our work considers the input, description and editing of solids, surfaces and curves. These are represented analytically, as CAD models and as meshes.

Other aspects of our work include the analysis, use and generation of static data such as images, surface meshes and 3D depth scans, as well as time varying data such as video and 4D scans of moving objects.

Some of the research areas we cover include:

- articulated human motion analysis, including facial dynamics and biometrics
- virtual unrolling of scrolled parchments (and film)
- video surveillance applications and sports video analysis
- reverse engineering of CAD models
- 3D facial analysis

For further information on research at our School visit: [www.cardiff.ac.uk/](http://www.cardiff.ac.uk/)computer-science/research

www.cardiff.ac.uk/computer-science
Applications

UCAS Codes
BSc Applied Software Engineering: 4JVD
BSc Computer Science: G400
BSc Computer Science with Year in Industry: G401
BSc Computer Science with a Year of Study Abroad: 126V
BSc Computer Science with High Performance Computing: GLGK
BSc Computer Science with High Performance Computing with Year in Industry: GKGL
BSc Computer Science with High Performance Computing with a Year of Study Abroad: 211V
BSc Computer Science with Security and Forensics: G4F4
BSc Computer Science with Security and Forensics with Year in Industry: GKF4
BSc Computer Science with Security and Forensics with a Year of Study Abroad: 125V
BSc Computer Science with Visual Computing: G4G7
BSc Computer Science with Visual Computing with Year in Industry: GKG7
BSc Computer Science with Visual Computing with a Year of Study Abroad: 303V

To be considered for entry onto one of our degree programmes you should apply online via the UCAS website using the ‘UCAS Apply’ facility. To use this facility you need to log onto: www.ucas.ac.uk/apply

The website will provide you with information on how to apply and explains the UCAS procedure.

Entry Requirements
BSc Computer Science, BSc Applied Software Engineering
Typical A-level Offer: AAB - ABB
Typical WBQ Offer: WBQ will usually be accepted as an equivalent to one A-level.
Typical Int Bacc Offer: 33 points
Other: Applications from those offering alternative qualifications are welcome. Please see detailed admissions and selection criteria for more information.

BSc Computer Science with Visual Computing requires A-level Mathematics. All with a Year of Study Abroad options require A-level Mathematics.

Other
Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience.

Specific Subjects
A-level General Studies is excluded.

GCSE: No specific requirements other than normally at least a grade C in English Language and a grade B in Mathematics.

Grade C in Mathematics required for BSc Applied Software Engineering.

Applications Information
Typical intake: 215
Typical number of applications: 1200

Equal Opportunities
Cardiff University is committed to promoting equality and diversity in all of its practices and activities, including those relating to student recruitment, selection and admission. The University aims to establish an inclusive culture which welcomes and ensures equality of opportunity for applicants of all ages, ethnicities, disabilities, family structures, genders, nationalities, sexual orientations, races, religious or other beliefs, and socio-economic backgrounds. This commitment forms part of the Equality and Diversity Policy which is available at: www.cardiff.ac.uk/public-information/equality-and-diversity

Applicants with Disabilities/ Specific Needs
All offers to study at Cardiff University are made solely on the basis of academic merit. Where applicants have specific requirements that relate to a disability or medical condition, they are encouraged to discuss these with relevant staff in order that appropriate arrangements can be made to ensure the University provides an accessible environment. Specifically, applicants are invited to contact the Disability Adviser who can provide information about the applications procedure, course delivery and access to the physical environment.

Where appropriate, informal visits can be arranged in which applicants can view accommodation and meet academic staff. The Disability Adviser can be contacted at:

Student Support Centre
50 Park Place, Cardiff CF10 3AT
Tel/Minicom: +44 (0)29 2087 4844
Email: studentsupport@cardiff.ac.uk

Deferred Entry
The School has no objection to the possibility of deferred entry and the admissions tutor would be happy to discuss this further with you. Application is made through UCAS in the usual way, although the UCAS application must show the deferred year of entry.

Admissions Contacts
For information on applying and enrolling on our programmes, please contact:

Dr James Osborne, School of Computer Science and Informatics
Cardiff University, Queen’s Buildings, 5 The Parade, Roath, Cardiff CF24 3AA
Tel: 029 2087 4767
Email: comsc-ug@cardiff.ac.uk
Web: www.cardiff.ac.uk/computer-science

All International Admissions enquiries should go to:
Email: pse-international@cardiff.ac.uk

Tuition Fees and Financial Assistance
The University charges an annual fee which covers all tuition fees, registration and examinations, other than the re-taking of examinations by students not currently registered. Please note charges for accommodation in University Residences are additional. Please see the following website for more information: www.cardiff.ac.uk/fees

Scholarships and Bursaries
For more information please visit the following website: www.cardiff.ac.uk/scholarships

Open Days
University-wide Open Days are held throughout the year and provide the opportunity to visit all Schools in addition to residences, the Students’ Union and sports facilities.
For further information please visit our website at: www.cardiff.ac.uk/opendays
How to find the School

The School of Computer Science and Informatics is located in the multi-million pound Queen's Buildings complex in the centre of Cardiff, meaning we are right next to the city’s best shops, pubs, cinemas and other amenities. The site is also easily accessed from the University halls of residence and the Students’ Union. We are housed in the same complex as the School of Engineering and the School of Physics and Astronomy.
To find out more about the School of Computer Science and Informatics please visit our website: www.cardiff.ac.uk/computer-science

Got questions about student life? Get them answered at: www.cardiff.ac.uk/insiders

Some of our current students are sharing their experiences online through their Facebook pages, so if you want to know what life as a student at Cardiff is really like, then you can find out now. There is also lots of information about what is happening in Cardiff, including articles written by our students, videos, and much more.

Enquiries
Tel: 029 2087 4812
Email: comsc-ug@cs.cardiff.ac.uk

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Roath
Cardiff CF24 3AA

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