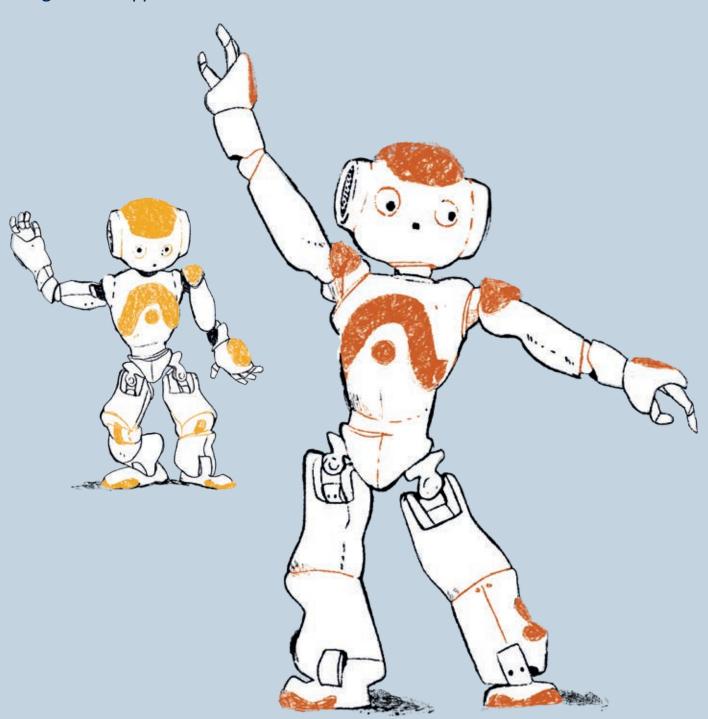


Informatics

Postgraduate Opportunities 2017





www.ed.ac.uk/informatics



For more than 400 years the University of Edinburgh has been changing the world. Our staff and students have explored space, won Nobel Prizes and revolutionised surgery. They've published era-defining books, run the country, made life-saving breakthroughs and laid the foundations to solve the mysteries of the universe.

Our distinguished alumni include NASA astronaut Piers Sellers, former MI5 Director-General Dame Stella Rimington, Olympians Sir Chris Hoy and Katherine Grainger and historical greats such as philosopher David Hume, suffragist Chrystal Macmillan, who founded the Women's International League for Peace and Freedom, and physicist and mathematician James Clerk Maxwell.

International collaboration

An internationally renowned centre for academic excellence, we forge world-class collaborations with partners such as the California Institute of Technology (Caltech), Stanford University, the University of Melbourne, Peking University, the University of Delhi and the University of KwaZulu-Natal. As a member of the League of European Research Universities and the Coimbra Group, we link up with leading institutions across Europe.

Linking research and commerce

We were one of the first UK universities to develop commercial links with industry, government and the professions. Edinburgh Research and Innovation (ERI) promotes and commercialises our research excellence and can assist you in taking the first step to market, through collaborative research, licensing technology or consultancy.

Enhancing your career

We are committed to embedding employability in your University experience and have one of the Russell Group's best track records for graduate employment. From volunteering schemes to our sector-leading Careers Service, we provide you with opportunities to develop your skills, knowledge and experience, giving you an edge in the competitive job market.

TOP 50

We're consistently ranked one of the top 50 universities in the world. We're 19th in the 2016/17 QS World University Rankings.

4TH

We're ranked fourth in the UK for research power, based on research quality and breadth.*

83%

The majority of our research – 83 per cent – is considered world leading or internationally excellent.*

23RD

We're ranked 23rd in the world for the employability of our graduates."

£305m

In 2014/15 we won £305 million in competitive research grants.

20

We're associated with 20 Nobel Prize winners, including physicists Peter Higgs, Charles Barkla and Max Born, medical researcher Peter Doherty and biologist Sir Paul Nurse.

137 NATIONALITIES

Students from two-thirds of the world's countries study here.

Research Excellence Framework (REF) 201

^{**} Latest Emerging Global Employability University Ranking

Taught masters programmes

We offer seven taught MSc programmes, each featuring compulsory and option courses that allow you to tailor your masters degree to your particular interests and career goals.

www.ed.ac.uk/pg/107

Artificial Intelligence

MSc 1 yr FT (2-3 yrs PT available for UK/EU students)

Programme description

This MSc is taught at the UK's longest established centre for artificial intelligence, which remains one of the best in the world.

Our research draws on neuroscience, cognitive science, linguistics, computer science, mathematics, statistics and psychology to span knowledge representation and reasoning, the study of brain processes and artificial learning systems, computer vision, mobile and assembly robotics, music perception and visualisation. We aim to give you practical knowledge in the design and construction of intelligent systems so you can apply your skills in a variety of career settings.

Programme structure

You will follow two taught semesters of lectures, tutorials, practical work and written assignments, after which you will complete a major individual research project and dissertation.

SPECIALIST AREAS

You will choose a 'specialist area' within the programme, which will provide recommendations on which courses to take. The specialist areas are intelligent robotics; agents, knowledge and data; machine learning; and natural language processing.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Informatics Research Review; Informatics Research Proposal; Introduction to Java Programming (for students who did not already meet the programming requirements for the taught masters); Dissertation.

OPTION COURSES PREVIOUSLY OFFERED INCLUDE:

Advanced Vision; Algorithmic Game Theory and Its Applications; Computer Animation and Visualisation; Machine Learning and Pattern Recognition; Natural Language Understanding; Robotics: Science and Systems; Human-Computer Interaction; Reinforcement Learning; Accelerated Natural Language Processing; Machine Translation; Semantic Web Systems; Agent Based Systems.

Career opportunities

Our students are well prepared for both employment and academic research. The emphasis is on practical techniques for the design and construction of intelligent systems, preparing graduates to work in a variety of specialisms, from fraud detection software to spacecraft control.

Recent graduates are now working as software developers and engineers, programmers and data analysts for companies such as HarperCollins, J.P.Morgan, Nokia, IBM, Amazon, Soundcloud and the Bank of England.

Entry requirement

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in informatics, artificial intelligence, cognitive science, computer science, electrical engineering, linguistics, mathematics, philosophy, physics or psychology, plus experience in computer programming. You must have a sufficient mathematical and informatics background for your chosen area of study.

English language requirements

See page 20.

Fees and funding

For fees see page 20 and for funding information see page 22.

Programme Contact Informatics Teaching Organisation Tel +44 (0)131 650 5194 Email ito@inf.ed.ac.uk

See also...

Some of our taught masters are closely related to those in other Schools. You may be interested in programmes offered by Edinburgh College of Art, or the Schools of Biological Sciences; Mathematics; Philosophy, Psychology & Language Sciences; or Physics & Astronomy.

www.ed.ac.uk/studying/prospectus-request

www.ed.ac.uk/pg/108

Cognitive Science

MSc 1 yr FT (2-3 yrs PT available for UK/EU students)

Programme description

Cognitive Science is a discipline in growing demand, and Edinburgh is a widely recognised leader in this area, with particular strengths in natural language, speech technology, robotics and learning, neural computation and the philosophy of the mind.

You will gain a thorough grounding in neural computation, formal logic, computational and theoretical linguistics, cognitive psychology and natural language processing, and through a vast range of option courses you will develop your own interests in this fascinating field.

Programme structure

You will follow two taught semesters of lectures, tutorials, practical work and written assignments, after which you will complete a major individual research project and dissertation.

SPECIALIST AREAS

You will choose a 'specialist area' within the programme, which will provide recommendations on which courses to take. The specialist areas are cognitive science; natural language processing; and neural computation and neuroinformatics.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Informatics Research Review; Informatics Research Proposal; Introduction to Java Programming (for students who did not already meet the programming requirements for the taught masters); Dissertation.

OPTION COURSES PREVIOUSLY OFFERED INCLUDE:

Advanced Vision; Automated Reasoning; Computational Cognitive Neuroscience; Human-Computer Interaction; Machine Learning and Pattern Recognition; Neural Computation; Bioinformatics; Accelerated Natural Language Processing; Natural Language Understanding; Automatic Speech Recognition; Neural Information Processing; Topics in Cognitive Modelling; and more than 40 others.

Career opportunities

This programme will give you a deep understanding of the expanding domain of cognitive science through formal study and experiments. It is perfect preparation for a rewarding academic or professional career. The quality and reputation of the University, the School of Informatics and this programme will enhance your standing with many types of employer. Recent graduates are now working as software engineers, analysts and language scientists for companies such as British Telecom and Intel.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in informatics, artificial intelligence, cognitive science, computer science, electrical engineering, linguistics, mathematics, philosophy, physics or psychology, plus experience in computer programming.

English language requirements

See page 20.

Fees and funding

For fees see page 20 and for funding information see page 22.

Programme Contact Informatics Teaching Organisation Tel +44 (0)131 650 5194 Email ito@inf.ed.ac.uk

www.ed.ac.uk/pg/110

Computer Science

MSc 1 yr FT (2-3 yrs PT available for UK/EU students)

Programme description

This MSc will give you specialist knowledge in the design, implementation and use of computing systems ranging from the components of a single processor to computer networks as vast as the internet.

You will gain a solid foundation in theoretical understanding and learn a wide variety of practical techniques that you could use in varied career settings.

Programme structure

You will follow two taught semesters of lectures, tutorials, practical work and written assignments, after which you will complete a major individual research project and dissertation.

SPECIALIST AREAS

You will choose a 'specialist area' within the programme, which will provide recommendations on which courses to take. The specialist areas are analytical and scientific databases; computer systems, software engineering and high performance computing; programming languages; cyber security and privacy; and theoretical computer science.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Informatics Research Review; Informatics Research Proposal; Introduction to Java Programming (for students who did not already meet the programming requirements for the taught masters); Dissertation.

OPTION COURSES PREVIOUSLY OFFERED INCLUDE:

Machine Learning and Pattern Recognition; Probabilistic Modelling and Reasoning; Extreme Computing; Bioinformatics; Computer Graphics; Computer Networking; Human-Computer Interaction; Parallel Architectures; Parallel Programming Languages and Systems; Software Architecture, Process and Management; Algorithmic Game Theory and its Applications; Computer Algebra; Computational Complexity; Advanced Databases; Secure Programming; Formal Verification; Introduction to Quantum Computing; and more than 40 others.

Career opportunities

Through this programme you will develop specialist, advanced skills in the development, construction and management of advanced computer systems. You will gain practical experience and a thorough theoretical understanding of the field making you attractive to a wide range of employers or preparing you for further academic study. Recent graduates are now working in a variety of computing roles such as software or systems, developers and engineers, analysts and applications developers for companies including Cisco, Toshiba, Microsoft, Athlon, Skyscanner, Amazon, BT, Total, Honeywell and JPMorgan Chase.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in informatics, artificial intelligence, cognitive science, computer science, electrical engineering, linguistics, mathematics, philosophy, physics or psychology, plus experience in computer programming. You must have a sufficient mathematical and informatics background for your chosen area of study.

English language requirements

See page 20.

Fees and funding

For fees see page 20 and for funding information see page 22.

Programme Contact Informatics Teaching Organisation Tel +44 (0)131 650 5194 Email ito@inf.ed.ac.uk

www.ed.ac.uk/pg/902

Data Science

MSc 1 yr FT (2-3 yrs PT available for UK/EU students)

Programme description

Data science is the study of the computational principles, methods, and systems for extracting and structuring knowledge from data; and the application and use of those principles. Large data sets are now generated by almost every activity in science, society, and commerce – ranging from molecular biology to social media, from sustainable energy to health care.

As an MSc Data Science student you will explore how to efficiently find patterns in these vast streams of data. Many research areas have tackled parts of this problem. Machine learning focuses on finding patterns and making predictions from data; ideas from algorithms and databases are required to build systems that scale to big data streams; and separate research areas have grown around different types of unstructured data such as text, images, sensor data, video, and speech.

Programme structure

You will follow two taught semesters of lectures, tutorials, practical work and written assignments. You will then complete a major individual research project and dissertation.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Six courses in data science, including at least one each from the areas of machine learning, statistics and optimization; databases and data management; and applications, plus a dissertation in data science, *Informatics Research Review* and *Informatics Research Proposal*.

OPTION COURSES PREVIOUSLY OFFERED INCLUDE:

A range of more than 50 option courses is available.

Career opportunities

You will develop specialist, advanced skills in data science methods and their applications. You will gain practical experience and a thorough theoretical understanding of the field, making you attractive to a wide range of employers or preparing you for further academic study.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in informatics, artificial intelligence, cognitive science, computer science, electrical engineering, linguistics, mathematics, philosophy, physics, psychology, or another quantitative discipline. You should have experience of computer programming equivalent to an introductory programming course and specific training in mathematics: basic calculus (differentiation and integration) and linear algebra (vectors and multi-dimensional matrices).

English language requirements

See page 20.

Fees and funding

For fees see page 20 and for funding information see page 22.

Programme Contact Informatics Teaching Organisation Tel +44 (0)131 650 5194 Email ito@inf.ed.ac.uk www.ed.ac.uk/pg/803 (Design Informatics)
www.ed.ac.uk/pg/802 (Advanced Design Informatics)

Design Informatics/ Advanced Design Informatics

MSc 1 yr FT (Design Informatics) or 21 mths FT (Advanced Design Informatics)

Programme description

Design informatics focuses on designing with data. These programmes are run in conjunction with Edinburgh College of Art through the newly formed Centre for Design Informatics. You will learn how to build computational systems as well as the principles of design thinking and making. Through case studies of real-life products, you will apply your knowledge in a practical way, developing an understanding of what it takes to create, design and take a product to market. For more information see: www.designinformatics.org

Programme structure

Design Informatics: You will follow two semesters of taught courses, attending lectures, tutorials and group practicals to acquire the theoretical foundation to enable you to engage in independent research. Between May and August you will do a major individual research project on which you will write a dissertation.

Advanced Design Informatics: In the first year, you will follow two semesters of taught courses, attending lectures, tutorials and group practicals to acquire the theoretical foundation to enable you to engage in independent research.

In the summer you have a commercial or public sector placement, where you will work on a project that will help you test and reflect on your knowledge and skills. In the second year, taught courses focus on product design, and you will gain experience in leading a group, before completing a dissertation project.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Design Informatics: Case Studies in Design Informatics 1; Design with Data; Design Informatics Project; Histories and Futures of Technology; Dissertation.

Advanced Design Informatics: as shown above for Design Informatics plus Case Studies in Design Informatics 2; Product Development.

OPTION COURSES PREVIOUSLY OFFERED INCLUDE:

Wide choice of options including: Computer Graphics; Extreme Computing; Advanced Databases; Automatic Speech Recognition; Social and Technological Networks; Accelerated Natural Language Processing; Human Computer Interaction; Robotics: Science and Systems; Informatics Entrepreneurship and Digital Marketplace.

Career opportunities

This programme will put you at the cutting edge of design technology and technology for design, opening up a host of opportunities in the commercial sector.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in informatics, artificial intelligence, cognitive science, computer science, electrical engineering, linguistics, mathematics, philosophy, physics or psychology, plus experience in computer programming.

English language requirements

See page 20.

Fees and funding

For fees see page 20 and for funding information see page 22.

Programme Contact Informatics Teaching Organisation Tel +44 (0)131 650 5194 Email ito@inf.ed.ac.uk

www.ed.ac.uk/pg/111

Informatics

MSc 1 yr FT (2-3 yrs PT available for UK/EU students)

Programme description

Informatics is the study of how natural and artificial systems store, process and communicate information. Edinburgh has a long-standing tradition of world-class research and teaching in informatics, a discipline central to a new enlightenment in scholarship and learning, and critical to the future development of science, technology and society.

This is our most sought-after taught MSc. We offer a wide choice of courses, spanning established disciplines such as cognitive and computer science as well as emerging areas such as bioinformatics. The programme takes full advantage of our expertise in research and teaching, including specialisms unique to Edinburgh.

Programme structure

You will follow two taught semesters of lectures, tutorials, project work and written assignments, after which you will complete a major individual research project and dissertation.

SPECIALIST AREAS

You will choose a 'specialist area' within the programme, which will provide recommendations on which courses to take. The specialist areas are analytical and scientific databases; bioinformatics, systems and synthetic biology; cognitive science; computer systems, software engineering and high performance computing; intelligent robotics; agents, knowledge and data; machine learning; natural language processing; neural computation and neuroinformatics; music informatics; programming languages; cyber security and privacy; and theoretical computer science.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Informatics Research Review; Informatics Research Proposal; Introduction to Java Programming (for students who did not already meet the programming requirements for the taught masters); Dissertation.

OPTION COURSES PREVIOUSLY OFFERED INCLUDE:

A range of around 80 option courses is available.

Career opportunities

Our graduates are well regarded by potential employers worldwide. Many go on to work in the technology industry as software engineers, IT consultants, programmers and developers, and may work with the software and hardware giants that have become household names. Others go on to further study and research. Recent graduates are now employed as software developers and engineers, programmers, games designers and analysts for companies including Airbus, Citigroup, NCR Corporation, BT and Skyscanner.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in informatics, artificial intelligence, cognitive science, computer science, electrical engineering, linguistics, mathematics, philosophy, physics or psychology, plus experience in computer programming. You must have a sufficient mathematical and informatics background for your chosen area of study.

English language requirements

See page 20.

Fees and funding

For fees see page 20 and for funding information see page 22.

Programme Contact Informatics Teaching Organisation Tel +44 (0)131 650 5194 Email ito@inf.ed.ac.uk



See also...

You may also be interested in the closely related MA/MFA Design Informatics programme in the Edinburgh College of Art prospectus (www.ed.ac.uk/pg/821).

www.ed.ac.uk/studying/prospectus-request

Research at the School of Informatics

We topped the UK rankings for the Research Excellence Framework (REF) 2014, producing more world leading and internationally excellent research in computer science and informatics than any of our competitors. We hope the research you undertake will become part of our future contribution.

The research areas we offer reflect our leadership in the field. Our vast research portfolio is carried out across six institutes: communities of research staff and students with access to specialist facilities and funding. The research degrees we offer follow the same institute grouping, giving you the UK's greatest choice in core and multidisciplinary areas.

Research options

The most common research degree is the three-year Doctor of Philosophy (PhD) programme. You will embark upon original research under supervision and present the results in a written thesis and oral examination.

The Master of Philosophy (MPhil) requires at least two years of supervised research study. It would usually include taught courses in your first year of study and more independent research in your second year.

The MSc by Research is an opportunity to gain research skills by undertaking independent study related to the School's ongoing research programme, over a period of one year.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in an appropriate subject. Please check the specific entry requirements for your programme online before applying.

EPSRC Centres for Doctoral Training

The University won a share of a £350 million investment in UK science and engineering postgraduate training by the Engineering and Physical Sciences Research Council (EPSRC).

The School of Informatics hosts two Centres for Doctoral Training, one in Data Science and one in Pervasive Parallelism, and is also a partner in the Centre in Robotics and Autonomous Systems in collaboration with Heriot-Watt University.

These four-year (1+3) programmes combine a training year (MSc by Research) with a three-year PhD. For the latest information, see below and: www.ed.ac.uk/informatics/postgraduate/cdts

The University is piloting PhDs by distance learning. If you're interested in studying with us this way, we're keen to investigate possibilities in some of our areas of research.



Case study: Edinburgh's research with impact

Enabling rural communities to access high-speed broadband

As befits an institution that operates at the leading edge of technology, the University's School of Informatics recognises the importance of a fast and reliable broadband connection in this online age. In late 2007, a team of researchers from the School saw that they had the knowledge and resources necessary to make this a reality for people in remote communities, and set about creating the highly successful Tegola Wireless Community Broadband Project.

Project background

The School of Informatics team took up the challenge of deploying wireless networking in remote Scottish communities where high-speed broadband has not been available because the nearest telephone exchange is too far away. The Tegola network demonstrated the suitability of long-distance Wi-Fi technology even for areas like rural Scotland where the terrain can be difficult. To increase the stability and sustainability of the network, the up-to-the-minute resources of the School were used to develop certain engineering measures, and use of solar and wind power for self-powered masts, that would strengthen and protect the network.

Project results

The head of BT Scotland had expressed the opinion that mesh networks like Tegola were not robust, however experience has shown otherwise. In 2011 Tegola was successfully used for emergency medical services when a lightning strike knocked out the telephones to a wider area. As a direct result of the Edinburgh team's research, some of Scotland's most remote communities are now enjoying superfast broadband for the first time. For some it's their first connection to the online world. Tegola has become a replicable model for community-driven local access network deployments in Scotland. It has also inspired research into tools, systems and techniques to aid communities in deploying and maintaining similar rural networks.

As a direct result of the Edinburgh team's research, some of Scotland's most remote communities are now enjoying superfast broadband for the first time.

See more online: www.ed.ac.uk/research/impact

Research opportunities

www.ed.ac.uk/pg/858

EPSRC Centre for Doctoral Training in Data Science

1+3 Programme: MSc by Research followed by PhD – 4 yrs FT

Large data sets are now generated by almost every activity in science, society and commerce. This EPSRC-sponsored programme tackles the question: how can we efficiently find patterns in these vast streams of data? The applications are limited only by your imagination. Research in the Centre focuses on developing new techniques for analysing, querying, and managing data motivated by cutting-edge applications.

Research environment

Many research areas are converging on the problem of data science, including machine learning, databases, data management, statistics, optimization, theoretical computer science, natural language processing, speech processing, and computer vision. Our programme will allow you to specialise and perform advanced research in one of these areas, supervised by one of our 45 world-renowned researchers. Moreover, we believe that key research insights can be gained by working across the boundaries of conventional groupings. The first year of our programme will prepare you by combining research work with coursework that develops your breadth and depth in data science, and that informs your choice of research topic.

Tangible commercial links

You will benefit from interacting with a group of more than 40 leading industrial and public sector partners, including Amazon, Apple, Google, IBM, and Microsoft. The Centre's partners co-fund studentships, host internships and attend the CDT's networking events. This will ensure your research is informed by real world case studies and will provide a source of diverse internship opportunities.

Going further

You will be part of a new generation of data scientists, with the technical skills and interdisciplinary awareness to become R&D leaders in this emerging area. Both industry-leading companies and top-tier universities are extremely keen to recruit graduates with these skills.

English language requirements

See page 20.

Fees and funding

There are approximately 10 full studentships, covering tuition fees and living costs, available for eligible candidates. For further information see: http://datascience.inf.ed.ac.uk/apply/

For fees see page 20 and for funding information see page 22.

www.ed.ac.uk/pg/842

EPSRC Centre for Doctoral Training in Pervasive Parallelism

1+3 Programme: MSc by Research followed by PhD – 4 yrs FT

Driven by performance and energy constraints, parallelism is now crucial to all layers of the computing infrastructure, from smartphones to globally distributed systems. This EPSRC-sponsored programme tackles the many urgent interconnected problems raised by parallel systems. How do we design programming languages for such systems? How should the architecture be structured? Which theories, tools and methodologies will allow us to reason about the behaviour of this new hardware and software?

Research environment

Our supervisors offer internationally leading expertise across all aspects of the pervasive parallelism challenge. These include parallel programming, wireless and mobile networking, reasoning about interaction, models of concurrent computation, energy efficient computing, systems architecture, and performance modelling. You will have access to state-of-the-art facilities, from on-chip accelerators including GPGPUs and multicore CPUs to supercomputer scale systems. The involvement of the Edinburgh Parallel Computing Centre (EPCC), one of Europe's leading supercomputing centres, provides a globally impressive infrastructure for use in the training of our students.

Tangible commercial links

You will have opportunities to take up internships with leading companies in this area, including ARM, Intel, IBM and Microsoft, and to participate in our industrial engagement programme, exchanging ideas and challenges with our sponsor companies at student conferences, workshops and networking events.

Going further

We intend for our graduates to become the research leaders in both academia and industry, whose work will lead the way into the era of mainstream parallelism. This vision is shared by our industrial supporters who have expressed their need for highly qualified candidates to fill roles in this area. We also have outstanding support for entrepreneurial initiatives through Informatics Ventures.

English language requirements

See page 20.

Fees and funding

Around 10 studentships are available each year for eligible candidates. These studentships cover tuition fees and living costs. For further information see: http://pervasiveparallelism.inf.ed.ac.uk/apply/#funding

For fees see page 20 and for funding information see page 22.

We carry out more world leading research than any other equivalent department in the UK.

www.ed.ac.uk/pg/863

EPSRC Centre for Doctoral Training in Robotics & Autonomous Systems

1+3 Programme: MSc by Research followed by PhD - 4 yrs FT

Robots have the potential to revolutionise society and the economy, working for us, beside us, and interacting with us. This EPSRC-sponsored programme will produce graduates with the technical skills and industry awareness to create an innovation pipeline from academic research to global markets. The University of Edinburgh and Heriot-Watt University are jointly offering this innovative four-year PhD training programme, which combines a strong general grounding in current theory, methods and applications with flexibility for individualised study and a specialised PhD project.

Research environment

You will have access to the outstanding facilities in the Edinburgh Robotarium, a national facility for research into robot interaction, supporting the research of more than 50 world leading investigators from 17 cross-disciplinary research groups. These include humanoid movement control; underwater, land and airborne autonomous vehicles; human robot interaction; bio- and neuro-robotics; and planning and decision making in multirobot scenarios.

Tangible commercial links

Our user partners in industry include companies working in offshore energy, environmental monitoring, defence, assisted living, transport, advanced manufacturing and education. They will provide the real world context for research, as well as opportunities for secondments, internships and involvement in our industrial engagement programme.

Going further

Our aim is to produce innovation-ready graduates who are skilled in the principles of technical and commercial disruption and who understand how finance and organisation realise new products in start-up, SME and corporate situations. They will become leaders in the globally emerging market for autonomous and robotic systems that reduce risk, reduce cost, increase profit and protect the environment.

English language requirements

See page 20.

Fees and funding

Around 10 studentships are available each year for eligible candidates. These studentships cover tuition fees and living costs. For further information see: www.edinburgh-robotics.org/apply

For fees see page 20 and for funding information see page 22.

www.ed.ac.uk/pg/489

ANC: Machine Learning, Computational Neuroscience, Computational Biology

PhD 3 yrs FT (6 yrs PT available for UK/EU students)
MPhil 2 yrs FT (4 yrs PT available for UK/EU students)
MSc by Research 1 yr FT (2 yrs PT available for UK/EU students)

The Institute for Adaptive and Neural Computation (ANC) is a world leading institute dedicated to the theoretical and empirical study of adaptive processes in both artificial and biological systems. We are one of the UK's largest and most prestigious academic teams in these fields. We foster world-class interdisciplinary and collaborative research, bringing together a range of disciplines.

Research environment

Our research falls into three areas: machine learning; computational neuroscience; and computational biology.

In machine learning we develop probabilistic methods that find patterns and structure in data, and apply them to scientific and technological problems. Applications include areas as diverse as astronomy, health sciences and computing.

In computational neuroscience and neuroinformatics we study how the brain processes information, and analyse and interpret data from neuroscientific experiments.

The focus in the computational biology area is to develop computational strategies to store, analyse and model a variety of biological data (from protein measurements and genetics to animal and human behavioural data). If you are interested in these areas you should also consider the CDT programme in Data Science (see page 11).

Career opportunities

The research you'll undertake at ANC is perfectly suited to a career in academia, where you'll be able to use your knowledge to advance this important field. Some graduates take their skills into commercial research posts and find success in creating systems that can be used in everyday applications.

Specific entry requirements

ANC researchers come from many different academic backgrounds but most of our research requires prior training in mathematics.

English language requirements

See page 20.

Fees and funding

For fees see page 20 and for funding information see page 22.

See also...

You may also be interested in research areas offered by other Schools, particularly the Schools of Biological Sciences; Physics & Astronomy; or Philosophy, Psychology & Language Sciences.

www.ed.ac.uk/studying/prospectus-request

"I decided to study at Edinburgh, not just because of the research facilities offered and the University's prestige as a major educational and scientific development centre, but also because of the great atmosphere in the School of Informatics. Being in an environment that stimulates collaboration and encourages discussion is a great catalyst and a source of inspiration."

Andreea Radulescu, PhD Artificial Intelligence

www.ed.ac.uk/pg/494

CISA: Automated Reasoning, Agents, Data Intensive Research, Knowledge Management

PhD 3 yrs FT (6 yrs PT available for UK/EU students)
MPhil 2 yrs FT (4 yrs PT available for UK/EU students)
MSc by Research 1 yr FT (2 yrs PT available for UK/EU students)

In this information age, the formalised representation of knowledge and automation of reasoning form the basis of the computerised systems that shape our world. At the Centre for Intelligent Systems and their Applications (CISA), we lead the way in research into this vital field, both in facilities and quality of research.

Research environment

You'll find a wide range of research areas within CISA, from using abstract logic and theorem-proving methods through to systems-oriented investigations. Our current research groups encompass agents and multi-agent systems, knowledge systems, mathematical reasoning, planning and activity management, and software systems and processes.

Intelligent systems are a driving force for change in areas ranging from reasoning on the web to industrial supply chain management. Aided by our links with commercial and government bodies, the research you'll undertake could shape the future of technology.

Tangible commercial links

CISA includes one of the most innovative collaborations between research and business – our Artificial Intelligence Applications Institute (AIAI). Through its resources and the engagement of staff and students in consultancy, training and joint projects, we offer solutions to commercial and government clients through the application of newly researched techniques.

Going further

While your research studies are a perfect route to a career in academia, your degree could also take you into the commercial world of applied intelligent systems. Software developers and the users of automated planning systems are among those who rely on the insights of our research. NASA, Hewlett Packard and animation company Pixar are just three of the organisations that have recently employed our graduates.

English language requirements

See page 20.

Fees and funding

For fees see page 20 and for funding information see page 22.

www.ed.ac.uk/pg/492

ICSA: Computer Architecture, Compilation & Systems Software, Networks & Communication

PhD 3 yrs FT (6 yrs PT available for UK/EU students)
MPhil 2 yrs FT (4 yrs PT available for UK/EU students)
MSc by Research 1 yr FT (2 yrs PT available for UK/EU students)

The Institute for Computing System Architecture (ICSA) will provide you with academic resources and industry links that are among the best in the world. We're home to the UK's largest group of PhD researchers in the field, and host a Centre of Excellence in partnership with ARM, the world's largest microprocessor intellectual property provider. We're also a member of the European Network of Excellence on High Performance and Embedded Architecture and Compilation.

Research environment

Our students see their degrees as a launch pad for their careers, and many have established themselves as world-class researchers and developers. By joining their ranks, you'll be able to make your mark on the next generation of technological innovations. Currently, research is focused on the areas of compilers and architectures, parallel computing (see also our CDT programme in Pervasive Parallelism on page 10), wireless networking and processor-automated synthesis by iterative analysis. Our wireless communication group is particularly strong, and currently working on expanding wireless reach within Scotland. While the scope for research is wide, each area is underpinned by our fundamental aims: to extend understanding of existing systems; to improve current systems; and to develop new architecture and engineering methods.

Encouraging success

You'll be supported in your research by award-winning academic staff – including four Fellows of the Royal Academy of Engineering. They and other research colleagues have contributed to what is an enviable publications portfolio, featuring some of the most prestigious publications in the field. You'll graduate with more than an intensive knowledge of your field: you'll also have established academic and personal links that will last a lifetime.

Career opportunities

Academic and business employers actively recruit ICSA graduates, many of whom are now designing the next generation of products for major software developers, or taking the lead in other entrepreneurial ventures.

English language requirements

See page 20.

Fees and funding

For fees see page 20 and for funding information see page 22.

www.ed.ac.uk/pg/491

ILCC: Language Processing, Speech Technology, Information Retrieval, Cognition

PhD 3 yrs FT (6 yrs PT available for UK/EU students)
MPhil 2 yrs FT (4 yrs PT available for UK/EU students)
MSc by Research 1 yr FT (2 yrs PT available for UK/EU students)

Strongly interdisciplinary in nature, the Institute for Language, Cognition and Communication (ILCC) is dedicated to both basic and applied research in the computational study of language, communication, and cognition, in both humans and machines. As technology focuses increasingly on language-based communication tools, research into the automation of language processing has become vital. ILCC offers you the broadest research scope in the UK, and a strong computational focus.

Research environment

Our primary areas of research are: natural language processing and computational linguistics; spoken language processing; dialogue and multimodal interaction; information extraction, retrieval and presentation; computational theories of human cognition; educational and assistive technology.

Much of our research is applied to software development, in areas as diverse as social media, assisted living, gaming and education.

Cross-disciplinary culture

You may find yourself working closely with other schools within the University, particularly the School of Philosophy, Psychology & Language Sciences. Many of our researchers are involved in two cross-disciplinary research centres: the Human Communication Research Centre and the Centre for Speech Technology Research.

Career opportunities

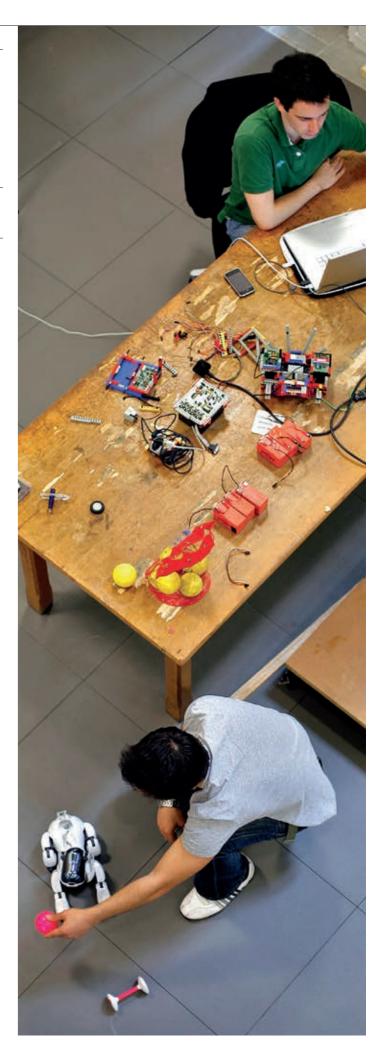
While many of our graduates pursue an academic career, others find their skills are highly sought after in the technology industry. A number of our students undertake internships with large UK and international software developers, while others take up positions with major social media companies.

English language requirements

See page 20.

Fees and funding

For fees see page 20 and for funding information see page 22.





www.ed.ac.uk/pg/495

IPAB: Robotics, Computer Vision, Computer Graphics & Animation

PhD 3 yrs FT (6 yrs PT available for UK/EU students) MPhil 2 yrs FT (4 yrs PT available for UK/EU students) MSc by Research 1 yr FT (2 yrs PT available for UK/EU students)

Supported by the dynamic research culture in the Institute for Perception, Action and Behaviour (IPAB), you can explore robots that learn their own motor control, mimic animal behaviours, or produce autonomous and coordinated team actions. Or you can work with systems that interpret real images and video, or generate complex behaviour in animated characters. We aim to link strong theoretical perspectives with practical hands-on construction, and provide the hardware and software support to realise this vision.

Excellent facilities

Our two large robotics labs contain a range of mobile platforms, humanoid robots and custom-built actuation systems that attract continuous interest from funders, industry and members of the public. Recent developments include the application of robotic hardware to prosthetics and assisted living, and a team that competes in the international robot soccer league. Our new Edinburgh Alliance for Robotics and Autonomous Systems (EDU-RAS) brings collaboration with Heriot-Watt University to expand the range of facilities and applications we can explore, and to fund research training. The machine vision lab has facilities for 3D range data capture, motion capture and high-resolution and high-speed video, and the high performance computing needed for graphics is well supported, including hardware partnerships with companies such as NVIDIA.

Career opportunities

While many of our graduates go on to highly successful academic careers, others find their niche in commercial research labs, putting their knowledge and skills to use in an industry setting. Several of our recent graduates have set up or joined spin-out robotics companies. Our graphics researchers have strong connections to the media and games industries including Rockstar North.

Specific entry requirements

We expect applicants to have a degree in a computing or engineering field, with strong programming skills.

English language requirements

See page 20.

Fees and funding

For fees see page 20 and for funding information see page 22.

www.ed.ac.uk/pg/493

LFCS: Theory & Foundations of Computer Science, Databases, Software & Systems Modelling

PhD 3 yrs FT (6 yrs PT available for UK/EU students) MPhil 2 yrs FT (4 yrs PT available for UK/EU students) MSc by Research 1 yr FT (2 yrs PT available for UK/EU students)

Established 25 years ago, the Laboratory for Foundations of Computer Science (LFCS) continues to lead the way in the development of mathematical models, theories and tools that probe the possibilities of computation and communication. Our students benefit from being part of one of the largest and strongest groups of theoretical computer scientists in the world.

Research environment

Our research is aimed at establishing deep understanding of computation in its many forms. Using advanced mathematical principles, we create theories and software tools allowing fundamental capabilities of computation to be explored, as well as designing languages that can be used to construct safe and effective programs. Areas of interest within LFCS include verification, semantics, concurrency, process algebra, algorithms, logic and complexity.

While the results of our research can be applied to any one of a large number of diverse fields, biological modelling is of particular interest. Advances in experimental techniques mean that cell biologists need innovative tools and software to understand the vast quantities of data that are being generated. Other areas where our research is applied include computer security, database systems, software analysis, programming language design and performance analysis.

Culture of achievement

As a research student at LFCS, you'll have access to our highly respected academic staff community, which includes two Fellows of the Royal Society and a recent winner of a Blaise Pascal Medal. Our students regularly receive 'best paper' awards at conferences.

Career opportunities

Our graduates are in high demand for postdoctoral academic roles. In addition, the skills you'll graduate with can be applied to roles in industry, particularly finance, software development and consultancy.

Specific entry requirements

We expect applicants to have a strong background in mathematics, in addition to a good degree in a relevant area.

English language requirements

See page 20.

Fees and funding

For fees see page 20 and for funding information see page 22.

"I knew I wanted to do a PhD in robotics and was very happy to find that Edinburgh had a group specialising in this research, which I subsequently joined. The School of Informatics was truly inspiring and I quickly understood why it had such a renowned reputation."

Mike Mangan, PhD Robotics graduate 2011



Facilities and resources

Our exceptional facilities have been built with the needs of innovative learning, teaching and research in mind. We provide comfortable office space and specialist research and teaching labs.

You'll be based at the University's Central Area campus, surrounded by lively venues, leisure facilities and parks and served well by public transport – not to mention the World Heritage attractions of one of the UK's most beautiful capital cities.

The award-winning Informatics Forum is an international research facility for computing and related areas. It houses more than 400 research staff and students, providing office, meeting and social spaces. It also contains several robotics labs, an instrumented multimedia room, eye-tracking and motion capture systems, and a full recording studio among other research facilities. Its spectacular atrium plays host to many events, from industry showcases and student hackathons to major research conferences. Nearby state-of-the-art teaching facilities include computer and teaching labs with more than 250 machines, 24-hour access to IT facilities for students, and comprehensive support provided by dedicated computing staff.

An entrepreneurial focus

As well as academic importance, we recognise the commercial potential of our research. In recent years, we've helped to create more spin-out companies than any other UK institution (as judged by spinoutsuk.co.uk). Among our initiatives is Informatics Ventures, set up in 2008 to support globally ambitious software companies in Scotland and nurture a technology cluster to rival Boston, Pittsburgh, Kyoto and Silicon Valley.

Creative space

An exciting new venture for our School is our collaboration with Edinburgh College of Art, backed by the Scottish Funding Council. The Centre for Design Informatics allows the integration of product design with ideas from informatics. Designers work alongside informatics entrepreneurs to help build new products and services, including the next generation of social media tools.

Collections of the University

The University of Edinburgh has one of the world's great collections, which has been growing ever since its foundation in 1583. Our collections include rare books, archives and manuscripts, art, historical musical instruments and a wide range of museum objects from geological specimens to anatomical models. If laid out end to end, we would have almost 60 kilometres of shelving and storage space devoted to our heritage material, from 1st-century Greek papyrus fragments to new works of sculpture. This is curated by specialist staff across 45 sites and used for our teaching and research and by the wider public community.

The Centre for Research Collections in the Main Library is the hub for all our collections, where specialist curators make them available for study, research and pleasure. Postgraduate students are welcome to study original objects and have made many important research discoveries while working on the archives. You will find an incredible range of material in our collections that is available nowhere else in the world.

Our taught courses are consistently ranked excellent in external assessments.

The Research Excellence Framework (REF) 2014 ranked us first in the UK for computer science and informatics. We produce more world leading and internationally excellent research in this field than any other UK university. Our size and strength support unparalleled breadth in our taught courses, which are consistently ranked excellent in external assessments.

At the School of Informatics you can join the world's brightest students in learning from our distinguished staff, many of whom are world leaders. Our academics include Fellows of the Royal Society, the Royal Society of Edinburgh and the Royal Academy of Engineering. We boast recent winners of the most prestigious awards in

career success in a wide array of roles that shape our society, from developing the latest mobile technology to creating intelligent infrastructure. Many go on to work as project managers, researchers, software developers and consultants in the commercial sector (at firms such as Google, Amazon, Skyscanner or Adobe) or take up academic posts, often in Russell Group and US research universities such as MIT and Stanford. Some of our graduates have found success through start-up companies.

Community

As a student at the School of Informatics, you'll be studying with the UK's largest group of informatics researchers, comprising almost 500 students and academic staff.

Working in such a large group of researchers and students opens up opportunities for collaboration and creative interaction. The atmosphere is one of community: we encourage students to mix and share their experiences and many of our subject areas invite a multidisciplinary approach. For example, current research in the School includes Human Communication, Digital Curation, Health Informatics, Synthetic and Systems Biology, and Learning Energy Systems.

In 2013 the School received an Athena SWAN Silver Award, which recognises Informatics as a supportive environment for women in the area of Science, Technology, Engineering, Medicine and Mathematics (STEMM).

Sharing research

In addition to formal teaching, each research institute within the School regularly schedules seminars for all staff and students, where you can hear about cutting-edge research as it unfolds. Research students will also find regular opportunities to present their work in this informal and supportive environment.

Social networking

Informatics students enjoy a lively social life, and can take part in many student-organised activities. The University's computer society, CompSoc, organises events ranging from games to ice skating and there are regular sports tournaments and tech meet-ups. There is also Hoppers, a social group for women in technology.

The Informatics Forum is a vibrant meeting point for all sorts of groups, from the formal to the very informal - you can even play table tennis in the Forum itself. There are also numerous online resources and meeting points, from the School's Facebook page to wikis and virtual cafes.

Support

The School's Student Services team offers a first point of contact to all our taught and research students for help and information to support all aspects of your student life, from admissions and funding to graduations and career opportunities.

Employability and graduate attributes

Computers continue to play a vital role in nearly every aspect of everyday living and in a diverse range of sectors – from the entertainment industry to the environment. Some of the most dynamic and lucrative opportunities are available to those who are skilled in computing, software and information systems.

All our postgraduate students have access to an excellent range of services to help you make the most of your time with us, whether you're looking to enhance your career, pursue research or start your own business.

Start-up assistance

The School of Informatics is particularly supportive of commercialisation and we have a strong track record in developing spin out companies. For those who are entrepreneurially minded, we provide training and mentoring and host special events to help our students and staff attract venture capital funding for their start-ups. Informatics Ventures is a dedicated knowledge exchange programme which aims to foster innovation and entrepreneurship through regular workshops, seminars and other events. For more information see: www.informatics-ventures.com

All postgraduate students can benefit from our Institute for Academic Development (IAD), which provides information, events and courses to develop the skills you will need throughout your studies and in the future. IAD events also offer the perfect opportunity to meet and network with other postgraduates from across the University.

Further information is available online: www.ed.ac.uk/iad/postgraduates

> The University of Edinburgh is ranked 23rd in the world for the employability of its graduates.* *Latest Emerging Global **Employability University** Rankings

For taught postgraduates, IAD provides a popular study-related and transferable skills support programme. It is designed to help you settle into postgraduate life, succeed during your studies and move confidently to the next stage of your career. We offer on-campus and online workshops and one-to-one study skills consultations, plus online advice and learning materials. Workshops and learning resources cover key topics tailored to different academic stages, including getting started with your studies; critical reading, writing and thinking; managing your exams; and planning for and writing up your dissertation.

IAD also provides a comprehensive programme of transferable skills training, resources and support for researchers completing a doctorate. The workshop programme is designed to help you successfully prepare for the various milestones of your PhD, from getting started with your research, to writing up **Institute for Academic Development** and preparing for the viva. Workshops cover topics such as writing skills, reference management tools, statistics, preparing for conferences, delivering presentations, time and project management, and personal development. IAD also offers online resources and planning tools to help get your research started, plus support for tutoring and demonstrating and research public engagement and communication.

Careers Service

Our Careers Service plays an essential part in your wider student experience at the University, offering world-class careers and personal development guidance and support. We support you to recognise the wealth of possibilities ahead, while at university and after graduation, helping you explore new avenues, tap into your talents and build your employability with confidence and enthusiasm.

The Service provides specialist support for postgraduate students. From exploring career options to making decisions, from CV writing to interview practice, from Employ.ed internships to graduate posts and from careers fairs to postgraduate alumni events, we help you prepare for

We sustain and continually develop links with employers from all industries and employment sectors, from the world's top recruiters to small enterprises based here in Edinburgh. Our employer team provides a programme of opportunities for you to meet employers on campus and virtually, and advertises a wide range of part-time and graduate jobs.

More information: www.ed.ac.uk/careers/postgrad

Connect.ed

Edinburgh encourages its alumni to stay in touch with current students who share an academic background or are interested in a similar career path. Connect.ed is a networking system run by the Careers Service that provides an informal and confidential opportunity for alumni to share their occupational knowledge and experience with current students, who can contact them for advice and guidance on their future career.

More information: www.ed.ac.uk/careers/connected

Backing bright ideas

LAUNCH.ed is the University's award-winning programme for student entrepreneurs. Each year, LAUNCH.ed works with hundreds of students to assess their ideas and develop their business skills and helps many start their businesses. We have helped Edinburgh students and alumni launch almost 100 new businesses in the last three years, ranging from language tuition to robotics companies.

More information: www.LAUNCH.ed.ac.uk



www.ed.ac.uk/informatics

The University of Edinburgh Informatics Postgraduate Opportunities 2017

Applications and fees

We have an online application process for all postgraduate programmes. It's a straightforward system with full instructions, including details of any supporting documentation you need to submit.

When applying, you will set up an account, which lets you save your application and continue at another time.

Full guidance on our application system is available at: www.ed.ac.uk/postgraduate/applying

General requirements

Our usual entrance requirement for postgraduate study is a UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry). This will typically be in an area of informatics, such as artificial intelligence, cognitive science or computer science. You may also be considered if your degree is in one of the following areas: engineering, linguistics, mathematics, philosophy, physics or psychology. You will need to have experience in computer programming.

You will need to meet the University's language requirements (see below).

Entry requirements for individual programmes can vary, so check the details for the specific programme you wish to apply for online: www.ed.ac.uk/postgraduate/degrees

References

For applications to taught programmes, the normal requirement is one reference, although an additional reference may be requested in individual cases. For applications to research programmes, two references are required. You should check the entry online for exact requirements for your intended programme of study. For general guidance on references, visit: www.ed.ac.uk/postgraduate/references

Deadlines

Taught MSc programmes

Some programmes have application deadlines. Please check the individual programme entry online for details. For all other programmes, you are encouraged to apply no later than one month prior to entry to ensure there is sufficient time to process your application. However, earlier application is recommended, particularly where there is a high demand for places or when a visa will be required. Should you wish to submit a late application, please contact us for guidance. If you are

applying for funding, in most cases you will need an offer to study with us before you can make your funding application.

Research programmes

Our admissions process for research students is organised into two rounds, which are aligned with the timing of the main funding decisions. For full consideration for all PhD scholarships, including those available to international and EU students, you should apply for admission by mid-December. The second deadline is the end of March, connected to funding decisions mostly affecting UK students. It is possible for admissions decisions to be made at other times of the year, especially if you have your own or external sources of funding.

English language requirements

Students whose first language is not English must show evidence of one of the qualifications below:

- IELTS Academic: total 6.5 (at least 6.0 in each module).
- TOEFL-iBT: total 92 (at least 20 in each module).
- PTE(A): total 61 (at least 56 in each of the Communicative Skills sections).
- CAE and CPE: total 176 (at least 169 in each module).
- Trinity ISE: ISE II (with distinctions in all four components).

Please note:

- English language requirements can be affected by government policy so please ensure you visit our degree finder to check the latest requirements for your programme: www.ed.ac.uk/ postgraduate/degrees
- Your English language certificate must be no more than two years old at the beginning of your programme.
- We also accept recent degree-level study that was taught and assessed in English in a majority English speaking country (as defined by UK Visas & Immigration).

Abbreviations: IELTS – International English Language Testing System; TOEFL-iBT – Test of English as a Foreign Language Internet-Based Test; PTE(A) – Pearson Test of English (Academic); CPE – Certificate of Proficiency in English; CAE – Certificate in Advanced English; Trinity ISE – Integrated Skills in English.

www.ed.ac.uk/english-requirements/pg

Tuition fee

The following table provides an overview of indicative fee levels for programmes commencing in 2017.

Figures marked * show the fee level set for the 2016/17 academic year. All other figures are indicative of expected fee levels for your studies during the 2017/18 academic year. Because these figures are indicative, it is important you check online before you apply and check the up-to-date fee level that will apply to your specific programme: www.ed.ac.uk/student-funding/tuition-fees/postgraduate

Please note:

- International students starting full-time taught programmes of study lasting more than one year will be charged a fixed annual fee.
- All other students on full-time and part-time programmes of study lasting more than one year should be aware that annual tuition fees are subject to revision and are typically increased by approximately five per cent per annum. This annual increase should be taken into account when you are applying for a programme.
- In addition to tuition fees, your programme may be subject to an application fee and additional costs/ programme costs may apply. Please check the latest programme information online.

Tuition fees for EU students

EU students enrolling in the 2017/18 academic year – and possibly the following academic year – will be admitted as Scottish/EU fee status students and are eligible for tuition fee support from the Student Awards Agency for Scotland (SAAS).

Future changes to the fee status of EU students enrolling in the 2017/18 academic year will depend on the timing and terms of the UK's exit from the European Union and would also require changes to existing UK and Scottish legislation. Current indications are that the UK would leave the EU at the earliest in 2019 so any changes would not take effect before the academic year 2019/20.

The University is working with the Scottish Government to try to protect the fee status of EU students enrolling in the 2017/18 academic year for the duration of their course. However there is a risk that EU students enrolling in the 2017/18 academic year may become subject to international tuition fees for any years of study which follow the UK exit from the EU. In those circumstances we are committed to working with the Government to ameliorate the impact of that change for individual students.

The Scottish Government has already confirmed that the fee status of existing students and students enrolling in the 2016/17 academic year will remain unchanged for the duration of their studies.

For UK/EU students

	Annual fee
Advanced Design Informatics 1-year FT	£10,200
All other taught programmes 1-year FT	£12,300
All other taught programmes 2-years PT	£5,400- £6,150
All other taught programmes 3-years PT	£3,600- £4,100
All other MSc by Research 1-year FT	£7,400
All other MSc by Research 2-years PT	£3,700
MPhil/PhD programmes FT	£4,121
MPhil/PhD programmes PT	£2,061

For international students

•	aar ree
Advanced Design Informatics 1-year FT	£20,100
All other taught programmes 1-year FT	£27,400
All other MSc by Research 1-year FT	£23,700
MPhil/PhD programmes FT	£19,100

Annual for

* Figure shown is the 2016/17 fee level
All other fees quoted are indicative of 2017/18 fee
levels. Because these figures are indicative, it is
important you check online before you apply and
check the up-to-date fee level that will apply to your
specific programme: www.ed.ac.uk/student-funding/
tuition-fees/postgraduate



www.ed.ac.uk/informatics

The University of Edinburgh
Informatics Postgraduate Opportunities 2017

Funding

A large number of scholarships, loans and other funding schemes are available for your postgraduate studies. It is only possible to show a small selection in print. To see the full range, please visit: www.ed.ac.uk/student-funding/postgraduate.

Awards are offered by the School of Informatics, the College of Science & Engineering, the University of Edinburgh, the Scottish, UK and international governments and many funding bodies.

Here we list a selection of potential sources of financial support for postgraduate students applying to the School of Informatics.

Tuition fee discounts

We offer a 10 per cent discount on postgraduate fees for all alumni who have graduated with an undergraduate degree from the University. We also offer a 10 per cent discount for international graduates who spent at least one semester at the University of Edinburgh as a visiting undergraduate: www.ed.ac.uk/studentfunding/discounts

Key

- Taught masters programmesMasters by Research programmes
- Research programmes

Scholarships at the University of Edinburgh

• Beit Trust • •

Beit Trust and the University of Edinburgh Scholarships jointly fund postgraduate students from Malawi, Zambia and Zimbabwe to undertake a masters: www.beittrust.org.uk

Edinburgh Global Research Scholarships

These scholarships are designed to attract high-quality international research students to the University: www.ed.ac.uk/ student-funding/global-research

Edinburgh Syrian Postgraduate Scholarships

A number of scholarships are available to postgraduate students from Syria studying a full-time one-year masters: www.ed.ac.uk/student-funding/postgraduate/syria

EPSRC Centre for Doctoral Training Studentships

Combined MSc/PhD programmes in our EPSRC Centres for Doctoral Training offer a number of fully-funded places for eligible students: www.ed.ac.uk/informatics/postgraduate/fees/research-scholarships

Google European Doctoral Fellowship

Google runs an international competition for these scholarships. Successful applicants receive full tuition fees, a stipend and research expenses: http://research.google.com/university/relations/doctoral_fellowships_europe.html

Julius Nyerere Masters Scholarships (Tanzania) • •

One scholarship is available to citizens of Tanzania who are normally resident in Tanzania who are accepted on a full-time masters programme: www.ed.ac.uk/student-funding/nyerere

Microsoft Research European PhD Scholarships

Microsoft Research runs an international competition for these scholarships, which are available to students from Europe, the Middle East and Africa: http://research.microsoft.com/en-us/collaboration/global/apply-europe.aspx

School of Informatics Masters Scholarships

A number of scholarships are available for masters study to students who are accepted for admission on a full-time eligible programme: www.ed.ac.uk/informatics/postgraduate/fees/msc-scholarship

School of Informatics Scholarships • A number of scholarships are available each year to new postgraduate research students: www.ed.ac.uk/informatics/postgraduate/fees

The University of Edinburgh PhD Scholarships

A number of scholarships, open to UK, EU and international PhD students: www.ed.ac.uk/student-funding/development

Research council awards

Research councils offer awards to masters, MPhil and PhD students in most of the Schools within the University of Edinburgh. All studentship applications to the research councils must be made through the University, through your School or College office. Awards can be made for both taught and research programmes.

Normally only those UK/EU students who have been resident in the UK for the preceding three years are eligible for a full award. For some awards, candidates who are EU nationals and are resident in the UK may be eligible for a fees-only award. www.ed.ac.uk/student-funding/research-councils

The University also offers a number of scholarships in partnership with the following overseas government agencies:

• Chile • • •

National Commission for Scientific and Technological Research (CONICYT): www.conicyt.cl

Colombia

Administrative Department of Science, Technology and Innovation (Colciencias): www.colciencias.gov.co

Ecuador ● ● ●

Secretaria Nacional de Educacion Superior, Ciencia y Tecnologia (SENESCYT):

www.educacionsuperior.gob.ec

Iraq •

Ministry of Higher Education and Scientific Research: www.iraqiculturalattache.org.uk

Mexico

National Council of Science and Technology of the United Mexican States (CONACYT): • • • www.conacyt.mx

Banco de Mexico and the Banco de Mexico's FIDERH trust (FIDERH): • • • www.fiderh.org.mx

Fundacion Mexicana para la Educacion, la Tecnologia y la Ciencia (FUNED): • • www.funedmx.org

Loans available for study at the University of Edinburgh

The University of Edinburgh is a participating institution in the following loans programmes, meaning we certify your student status and can help with the application process.

The Canada Student Loans Program • • •

The University is eligible to certify Canadian student loan applications: www.ed.ac.uk/student-funding/canadian-loans

• Erasmus+ •

An Erasmus+ loan supports students accepted for a masters programme in an Erasmus+ country. For more information: http://ec.europa.eu/education/opportunities/higher-education/mastersloans_en.htm

Postgraduate Loans (PGL) England • •

Eligible students from England, undertaking a taught or research masters can apply to Student Finance England for a loan of up to £10,000 towards fees or maintenance costs: www.gov.uk/postgraduate-loan

Postgraduate Loans (SAAS) Scotland and EU

The Student Awards Agency Scotland offers tuition fee loans to eligible students undertaking full- or part-time postgraduate study. For a full list of eligible programmes: www.saas.qov.uk

US Student Loans

The University is eligible to certify loan applications for US loan students. Full details on eligibility and how to apply can be found online: www.ed.ac.uk/student-funding/us-loans

Other sources of funding

The following are examples of the many scholarships and support schemes available to students from particular countries who meet certain eligibility criteria.

Chevening Scholarships

A number of partial and full funding scholarships are available to one-year masters students: www.chevening.org

• Commonwealth Scholarships • • • Scholarships available to students who are resident in any Commonwealth country, other than the UK: www.dfid.gov.uk/cscuk

Fulbright Scholarships (USA) • • • Scholarships open to US graduate students in any subject wishing to study in the UK: www.iie.org/fulbright

Marshall Scholarships (USA) • • • Scholarships available to outstanding US students wishing to study at any UK university for at least two years: www.marshallscholarship.org

Scotland's Saltire Scholarships • • A number of scholarships open to

students who are citizens permanently and ordinarily resident in Canada, China, India, Pakistan and the USA for one year of masters study: www.ed.ac.uk/student-funding/saltire

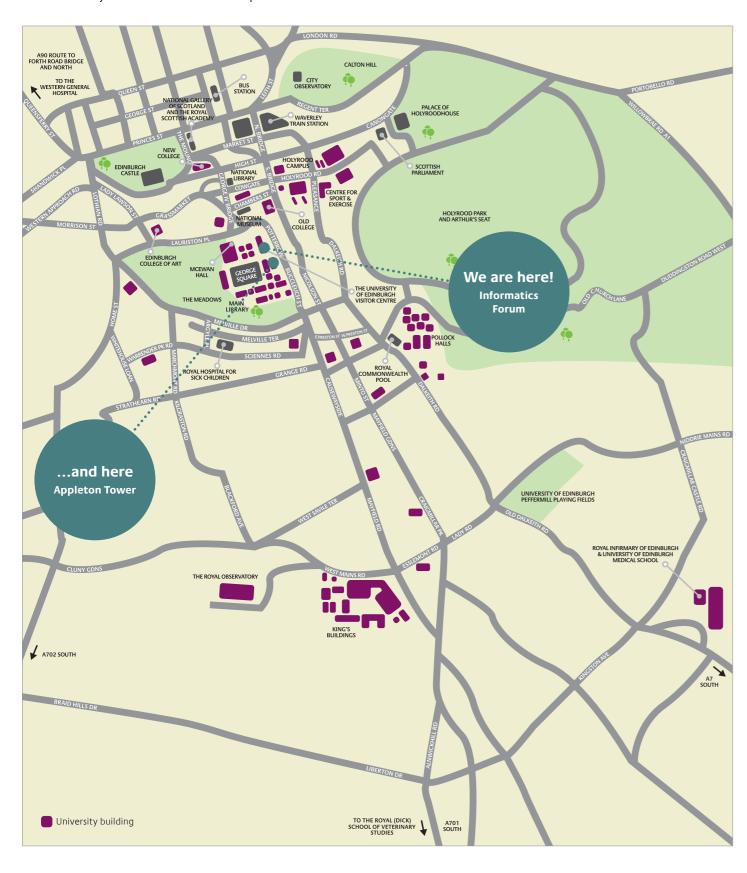
"The Scottish Government's initiative to attract international students from Canada, China, India and the US through the Saltire Scholarship Scheme, as well as the University of Edinburgh's support for international students, has helped provide me with an opportunity that I would never have conceived of prior to starting my studies at Edinburgh."

Robert Starr, MSc High Performance Computing, Scotland's Saltire Scholarship

Campus map

Informatics teaching, learning and research takes place in two buildings based at the University's Central Area campus, a stone's throw from city attractions and University amenities, such as the Main Library and the Centre for Sport and Exercise.









You are in good company. More than 35,000 of the world's brightest minds study here. Learn more at www.ed.ac.uk



Illustration by:Eve Marx, MA Illustration student

The front cover shows two NAO V5 Evolution robots. Our 14 NAOs allow students to develop programming, artificial intelligence, autonomous robotics and neuroinformatics skills. The NAOs can be programmed to act independently, for example to compete in RoboCup, the robot football world cup.

#drawntoedinburgh

This publication is available online at www.ed.ac.uk/postgraduate and can be made available in alternative formats on request. Please contact communications.office@ed.ac.uk or call +44 (0)131 650 2252.

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We have made every effort to ensure the accuracy of the information in this prospectus before going to print. However please check online for the most up-to-date information: www.ed.ac.uk

On 23 June 2016 the UK electorate voted in a national referendum to leave the European Union. At the time of going to print, there was no immediate, material change known that would impact applicants for 2017 entry. However we recommend that you check online for the latest information before you apply: http://edin.ac/eu-news

The University's standard terms and conditions will form an essential part of any contract between the University of Edinburgh and any student offered a place here. Our full terms and conditions are available online: www.ed.ac.uk/student-recruitment/terms-conditions

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