PROGRAMME SPECIFICATION

KEY FACTS

Programme name	Data Science
Award	MSci (Hons)
School	School of Mathematics, Computer Science and Engineering
Department or equivalent	Department of Computer Science
UCAS Code	G102
Programme code	USDASC
Type of study	Full Time
Total UK credits	480
Total ECTS	240
Partner (partnership programmes only)	None
Type of partnership	None

PROGRAMME SUMMARY

The MSci in Data Science will prepare you for a successful career as a data scientist with a strong theoretical and practical computer science background. Data Science (DS) is the area of work concerned with the extraction of actionable insight from large collections of data. The MSci in DS will develop both your programming, analysis and design expertise skills, as well as your specialist skills in data acquisition, information extraction, aggregation and representation, data analysis, knowledge extraction and explanation, which are all in high demand in the IT business, security and health sectors, intelligent transport, energy efficiency and the creative industries. Data-intensive processes where previously unrecognised patterns are discovered by analysing massive and mixed data sets have also started to reshape how scientific discovery and innovation takes place, making Data Science a core, indispensable scientific discipline.

The programme covers computer science starting with core foundational skills such as programming, and progressing to cover a range of computing topics with a focus on data science as a practice. The course covers the study and integration of advanced methods and techniques from knowledge representation and reasoning, statistical machine learning, high-performance computation, pattern recognition, service-oriented computing, computer programming, data warehousing, and data visualisation. A 450 hour individual project will allow you to carry out an extended piece of work under the supervision of one of our specialist academic and research staff, at the cutting edge of data science, in an industrial or academic context and will enable you to specialise in an application area of data science working often on a real-world problem.

The MSci (Hons) in Data Science is a full-time four-year Integrated Masters Programme. The programme consists of four Stages, each corresponding to an academic year. The programme shares Programme Stage 1 and majority of Programme Stage 2 with the BSc (Hons)/MSci (Hons) Computer Science, MSci (Hons) in Computer Science with Cyber Security and MSci (Hons) in Computer Science with Games Technology and you can transfer to/from these programmes at the end of Stage 2. These transfers allow you to choose your final degree programme based on at least a year's experience of university study.

Each of the four parts of the programme consists of 120 credits:

- Programme Stage 1 consists of compulsory foundational material, including programming and databases.

- Programme Stage 2 consists of further compulsory core computer science subject matter and includes a 30-credit team project.

- You may elect to take an industrial placement between Programme Stage 2 and Programme Stage 3 or between Programme Stage 3 and Programme Stage 4.

- Programme Stage 3 consists of five core modules and three elective modules, allowing you to develop specialisms in the data science field drawing on the expertise of academic staff.

- Programme Stage 4 consists of four advanced core module, one elective and a large, 45-credit, individual project supervised by a member of academic staff.

Aims

This programme aims to prepare you with the knowledge, skills and values needed for a technical career as a data scientist by:

- equipping you with the breadth of knowledge, skills and techniques required by the data science profession,
- equipping you with the computer scientist's core skills in programming, software engineering, databases and mathematics
- developing your knowledge in specialised and advanced topics in data science,
- enabling you to work with and learn from active researchers in machine learning, high-performance computing and data visualization,
- enabling you to critically evaluate the technical, social and management dimensions of data-intensive systems and technologies
- experience of the planning, management and execution of a data-science project.

The programme provides you with a number of exit routes.

CERTIFICATE OF HIGHER EDUCATION IN COMPUTER SCIENCE The first exit route is for the Certificate of Higher Education in Computer Science which you are

entitled to if you successfully complete Stage 1 of the programme, earning 120 level 4 credits.

All of you completing Stage 1 or the Certificate in Computer Science will be able to discuss underlying concepts and principles associated with computer science and relate these to problems arising in computer science. You will be able to express solutions to problems using the formalism introduced in Stage 1.

DIPLOMA OF HIGHER EDUCATION IN COMPUTER SCIENCE
The second exit route is for the Diploma of Higher Education in Computer Science, which you are entitled to if you have completed the Certificate in Higher Education and in addition you have successfully completed Stage 2 of the programme, earning 120 level 5 credits.

All of you completing Stage Two or the Diploma in Computer Science will build on your previous knowledge and experience to develop skills of enquiry in computer science and apply a variety of approaches to problem-solving as well as identify the limitations of your knowledge. You will be able to interpret open ended problems, apply your knowledge and skills to solve them and be able to write reports on your findings.

BSc (Hons) IN COMPUTER SCIENCE WITH DATA SCIENCE
The third exit route is the BSc (Hons) in Computer Science with Data Science, which you are entitled to if you have completed the Diploma in Higher Education and in addition you have successfully completed Stage 3 of the programme, earning a further 120 credits, 90 of which at level 6, the rest at level 5 or level 6.

All of you completing the BSc (Hons) in Computer Science with Data Science will, through core and elective modules, further develop a coherent systematic, detailed knowledge of computer science and data science. You will be able to evaluate solutions to computer science and data science related problems, assess current techniques for designing and developing solutions to computer science/data science problems and argue for your solutions using research and scholarship demonstrating your role as a reflective practitioner.

MSci (Hons) IN DATA SCIENCE

You are entitled to the MSci (Hons) in Data Science, if you have completed the BSc (Hons) and in addition you have successfully completed Stage 4 of the programme, earning 120 level 7 credits.

All of you completing the MSci (Hons) in Data Science will choose, through core and elective modules, to explore some areas of data science further to broaden your expertise and skills. In addition to the above you will have demonstrated original application of knowledge in the area, either through the analysis, design, and evaluation of a data science artefact, the design and implementation of a data science solution, or the critical evaluation and extension of the knowledge in the area through a research-led project, which can involve the development of software artefacts as well.

If you are on this course and do not fulfil the progression criteria to progress to Programme Stage 3, you will be transferred to one of the other BSc courses within the Department of Computer Science upon discussion with the course directors.

WHAT WILL I BE EXPECTED TO ACHIEVE?

On successful completion of this programme, you will be expected to be able to:

Knowledge and understanding:
- demonstrate the ability to use data science methods and techniques (e.g. in data analysis, pattern recognition and machine learning, high-performance computing, knowledge extraction, visual analytics)
- analyse and solve problems and develop innovative solutions, processing real data, designing and implementing big data methods and tools, selecting, applying and evaluating big data techniques
- explain the concepts of computer programming and data analysis methodologies
- use and explain the theory of computer science
- review and critically evaluate the literature and current developments and challenges in data science, such as designing distributed solutions or efficient learning algorithms
- identifying and managing scientific and technical risks and uncertainty associated with data science and its applications
- explain legal issues relating to computing: intellectual property, data protection, computer misuse and health and safety

Skills:
- analyse, develop and select robust algorithms and tools that can handle uncertainty and large amounts of data
- design, develop, adapt and critically evaluate data science computer algorithms and systems
- use the latest hardware and software technologies to create high-performance systems with a high level of capacity
- design and use data visualization tools both to perform human-empowered explorative analysis and to also communicate findings effectively to technical and non-technical audiences
- analyse and solve problems based on theoretical considerations, and develop innovative solutions, taking into account user needs and constraints
- plan and manage a large scale individual problem solving computing project
- collaborate in working teams
- engage in critical peer review process of papers, software and proposals, and give positive advice for improvement and innovation
- analyse, evaluate and act upon descriptive documents

Values and attitudes:

- understand and propose means to consider professional, social, cultural and ethical issues related to data analysis in the context of the scientific process
- embrace technical challenges as an opportunity for personal development
- rationally exploit both traditional and novel technological approaches
- rigorously assess alternative approaches and novel designs and implementations
- define a technical goal and encourage and lead others in order to achieve it
- gain skills about professional ethics and privacy in the context of data protection
- assess the nature of intellectual property and its ownership, and respect it accordingly

This programme has been developed in accordance with the QAA Subject benchmark statements for Computing at Bachelor's and Master's level (2007, 2011).

HOW WILL I LEARN?

The teaching and learning methods used are such that the levels of both specialisation of content and autonomy of learning increase as you progress through the programme. This is reflected in the programme structure: fundamental concepts and skills are addressed first, followed by core knowledge that builds on these fundamentals, which in turn prepares students for advanced Data Science focused electives and a large individual project in Stage 3 and 4. This progression will be guided by active researchers in Computer Science and in particular those in Machine Learning, Pattern Recognition, Data Visualization, and High Performance Computing, with the culminating individual project conducted largely independently with appropriate academic supervision and, where appropriate, in collaboration with industrial partners.

The programme is delivered and assessed via a coordinated combination of: lectures (including programmed student activity); supervised tutorials; supervised laboratory work; independent coursework; group project work; and individual project work.

The standard format is that taught modules are delivered through a series of 20 hours of lectures and 10 hours of tutorials/laboratory sessions. Lectures are normally used to:

(a) present and explain the theoretical concepts underpinning a particular subject;
(b) highlight the most significant aspects of a module's syllabus; and
(c) indicate additional topics and resources for private study.

Tutorials are used to help you develop skills in applying the concepts covered in the lectures of the relevant module, normally in practical problem solving contexts. Laboratory sessions serve a similar purpose as the tutorials but their strategy is to demonstrate application of concepts and techniques through the use of state-of-the-art software development tools and environments.

You are expected to undertake independent study and do substantial coursework assignments for each module, amounting approximately to 120 hours per module.

The coursework takes many forms, including programs, theoretical work, and essays, and is primarily formative.

Project work plays an important part in computing undergraduate programmes. The Team Project provides students with experience of the issues involved in software development projects as well as enhancing team-working and related transferrable skills.

In the Individual Project students are expected to carry an independent investigation of a significant computing problem allowing them to apply what they learnt through the programme. This activity is carried out under the supervision of academic staff, offered through a series of supervision sessions.

The individual project is a substantial task that develops a research related topic and is performed under the supervision of academic staff. The assessment of projects relies on a project report. During the project, you will be given an opportunity to solve a real world problem or develop techniques that primarily involves the analysis of using complex data from industry, academia or government, e.g. collecting and processing real data, designing and implementing data analysis methods and tools, applying and evaluating big data, machine learning and visualisation techniques to solve a real problem, e.g. in the areas of security, health, transport, energy, retail, online learning, or the creative industries.

In addition to lecture, laboratory and tutorial support, the programme is supported by City's Moodle learning environment, which provides resources on each of the modules. This includes materials such as lecture notes and lab sheets, as well as interactive components, such as quizzes or discussion forums.

Elective placements and the workplace learning opportunities are available to all students. A professional placement and career development module supported by visits from a Work-based Learning Advisor, ensures that students are able to identify learning opportunities that will enable them to attain and demonstrate competence in a work role; these opportunities arise naturally from workplace tasks, others are provided by negotiation focussed on the students career and development plan.

WHAT TYPES OF ASSESSMENT AND FEEDBACK CAN I EXPECT?

Assessment and Assessment Criteria

Most modules are assessed with examinations and coursework. Details can be found in the individual module specifications. Typically, modules are mainly assessed through written examination, and coursework also contributes to module assessment. The written examinations will contain theoretical questions, including mathematical aspects, as well as writing and analysing small amounts of code and small essays on the applications of computational techniques. As you move over to the more specialised modules as part of your Programme Stage-3 and Programme Stage-4, you will be expected to demonstrate how well you can synthesise various pieces of knowledge and be also assessed on how well you can critically reflect on the solutions you are suggesting.

Coursework takes many forms, including programs, modelling, theoretical work, and essays. In some modules you will also be required to present your work.

Project work plays an important part in computing undergraduate programmes. In the 30 credit Team Project you will be working in a group to design and develop a software product. For the 45 credit Individual Project, you are expected to carry out an independent investigation of a significant data science problem applying the knowledge and skills you have acquired through the programme, under the supervision of academic staff.

Assessment Criteria are descriptions, based on the intended learning outcomes, of the skills, knowledge or attitudes that you need to demonstrate in order to complete an assessment successfully, providing a mechanism by which the quality of an assessment can be measured. Grade-Related Criteria are descriptions of the level of skills, knowledge or attributes that you need to demonstrate in order achieve a certain grade or mark in an assessment, providing a mechanism by which the quality of an assessment can be measured and placed within the overall set of marks. Assessment Criteria and Grade-Related Criteria will be made available to you to support you in completing assessments. These may be provided in programme handbooks, module specifications, on the virtual learning environment or attached to a specific assessment task.

Feedback on assessment

Feedback will be provided in line with our Assessment and Feedback Policy. In particular, you will normally be provided with feedback within three weeks of the submission deadline or assessment date. This would normally include a provisional grade or mark. For end of module examinations or an equivalent significant task (e.g. an end of module project), feedback will normally be provided within four weeks. The timescale for feedback on final year projects or dissertations may be longer. The full policy can be found at:
https://www.city.ac.uk/__data/assets/pdf_file/0008/68921/assessment_and_feedback_policy.pdf

Assessment Regulations

In order to pass your Programme, you should complete successfully or be exempted from the relevant modules and assessments and will therefore acquire the required number of credits. You also need to pass each Programme Stage of your Programme in order to progress to the following Programme Stage.

The four Programme Stages of the programme are weighted as follows: Programme Stage 1 carries no weight (in recognition that the first year of study students with differing background are experiencing university education for the first time); Programme Stage 2 contributes 20% of the final degree mark; Programme Stage 3 contributes 40% of the final degree mark; Programme Stage 4 contributes 40% of the final degree mark.

For the purpose of calculating your overall degree result, the mark for IN3027: Professional Placement and Career Development, will substitute, where higher, the mark of two 15-credit Programme Stage 3 taught modules which you have passed.

The pass mark for each module in Programme Stages 1,2 and 3 is 40%, and the pass mark for each module in Programme Stage 4 is 50%.

If you fail an assessment component or a module, the following will apply:

1. Compensation: where you fail up to a total of 20 credits of a Stage at first or resit attempt, you may be allowed compensation if:
    *   Compensation is permitted for the module involved (see the module specification), and
    *   It can be demonstrated that you have satisfied all the Learning Outcomes of the modules in the Stage, and
    *   A minimum overall mark of no more than 10 percentage points below the module pass mark has been achieved in the module to be compensated, and
    *   An aggregate mark of 40% (50% at Stage 4) has been achieved for the Stage.

Where you are eligible for compensation at the first attempt, this will be applied in the first instance rather than offering a resit opportunity.

If you receive a compensated pass in a module you will be awarded the credit for that module. The original component marks will be retained in the record of marks and your original module mark will be used for the purpose of your Award calculation.

2. Resit: Where you are not eligible for compensation at the first attempt, you will be offered one resit attempt.

If you are successful in the resit, you will be awarded the credit for that module. The mark for each assessment component that is subject to a resit will be capped at the pass mark for the module. This capped mark will be used in the calculation of the final module mark together with the original marks for the components that you passed at first attempt.

If you do not meet the pass requirements for a module and do not complete your resit by the date specified you will not progress to the next Programme Stage and the Assessment Board will require you to be withdrawn from the Programme.

If you fail to meet the requirements for a particular Programme Stage or the Programme, the Assessment Board will consider whether you are eligible for an Exit Award as per the table below.

The Programme has minimum attendance requirements for designated teaching and learning events for each Stage. Students failing to meet these requirements may be subject to withdrawal from the programme.

If you would like to know more about the way in which assessment works at City, pleasesee the full version of the Assessment Regulations at:

WHAT AWARD CAN I GET?

Master of Science with Honours:

Part	HE Level	Credits	Weighting (%)
1	4	120	
2	5	120	20
3	6	120	40
4	7	120	40

Class	% required
I	70
II upper division	60
II lower division	50
III	40

Bachelor's of Science with Honours:

Part	HE Level	Credits	Weighting (%)
1	4	120	
2	5	120	40
3	6	120	60

Class	% required
I	70
II upper division	60
II lower division	50

Diploma of Higher Education:

Part	HE Level	Credits	Weighting (%)
1	4	120	35
2	5	120	65

Class	% required
With Distinction	70
With Merit	60

Certificate of Higher Education:

Part	HE Level	Credits	Weighting (%)
1	4	120	100

Class	% required
With Distinction	70
With Merit	60
Without Classification	40

WHAT WILL I STUDY?

Programme Stage 1

To pass Stage 1, an Honours degree student must have acquired 120 credits as specified in Stage 1 of the Programme Scheme.

This Programme Stage consists of 4 compulsory core modules, worth 15 credits each, and 2 compulsory core modules, worth 30 credits.

Module Title	SITS Code	Module Credits	Core/ Elective	Compensation Yes/No	Level
Introduction to Algorithms	IN1002	15	C	Y	4
Mathematics for Computing	IN1004	15	C	Y	4
Systems Architecture	IN1006	15	C	Y	4
Programming in Java	IN1007	30	C	N	4
Databases	IN1013	15	C	N	4
Operating Systems	IN1011	15	C	Y	4
Computer Science, Ethics & Society	IN1012	15	C	Y	4

Programme Stage 2

To pass Stage 2, an Honours degree student must have acquired 120 credits as specified in Stage 2 of the Programme Scheme. For an Honours degree student to progress from Stage 2 to Stage 3, Stage 2 requirements must have been satisfied.

This Programme Stage consists of 6 compulsory core modules, each worth 15 credits, and compulsory core project module, which is worth 30 credits.

You may transfer into this programme route at the start of Programme Stage 2 if:
- you have passed the modules in Programme Stage 1;
- resources allow the transfer;
- the programme director approves the transfer.

A student registered on the MSci programme who obtains the required credits for Programme Stage 2 but does not achieve an aggregate mark of at least 55% at Programme Stage 2 will be transferred to the related BSc programme.

Module Title	SITS Code	Module Credits	Core/ Elective	Compensation Yes/No	Level
Data Structures and Algorithms	IN2002	15	C	Y	5
Language Processors	IN2009	15	C	Y	5
Computer Networks	IN2011	15	C	Y	5
Object-Oriented Analysis and Design	IN2013	15	C	Y	5
Professional Development in IT	IN2015	15	C	N	5
Team Project	IN2018	30	C	N	5
Programming in C++	IN2029	15	C	Y	5

Programme Stage 3

To progress from Programme Stage 2 to Programme Stage 3 on the MSci (Hons) programme, Programme Stage 2 requirements must have been satisfied, and in addition

an overall aggregate of 55% achieved at Programme Stage 2. If the Programme Stage 2 requirements are met, but the 55% aggregate grade is not achieved, then you would be transferred to Programme Stage 3 on the BSc (Hons) programme.

To pass Programme Stage 3, you must have acquired 120 credits as specified in Programme Stage 3 of the Programme Scheme.

This Programme Stage consists of 5 compulsory core modules, each worth 15 credits, and 3 elective modules each worth 15 credits. Elective choice may be further constrained by timetabling requirements. The full range of electives may not be available in all years.

Note on *super-modules*:
- For *super-modules*, i.e. modules with identical titles (but differing module codes) offered at both Level 6 and Level 7, only one of these modules may be chosen.
- In these module pairs, the differences are primarily within the learning outcomes (Knowledge and Understanding and Skills) and how they are assessed. The learning activities and assessment will be aligned accordingly to reflect these differences.

You may transfer into this programme route at the start of Programme Stage 3 if:

- you have passed the modules in Programme Stage 2, with an overall aggregate mark of 55%;
- resources allow the transfer;
- the programme director approves the transfer.

If you leave the programme at the end of Programme Stage 3 you may elect to additionally take IN3007 (the Level 6 project) in order to gain professional recognition.

A student registered on the MSci programme who obtains the required credits for Programme Stage 3 but does not achieve an aggregate mark of at least 50% at Programme Stage 3 will not be able to proceed to Programme Stage 4. The Assessment Board will consider whether the student has met the requirements for a BSc Award.

Elective choice may be constrained by timetabling requirements. The full range of electives may not be available in all years.

Module Title	SITS Code	Module Credits	Core/ Elective	Compensation Yes/No	Level
Computer Vision	IN3060	15	C	Y	6
Principles of Data Science	IN3061	15	C	Y	6
Introduction to AI	IN3062	15	C	Y	6

Module Title	SITS Code	Module Credits	Core/Elective	Compensation Yes/No	Level
Programming and Mathematics for AI	IN3063	15	C	Y	6
Agents and Multi Agents Systems	IN3064	15	C	Y	6
Games Technology	IN2026	15	E	Y	5
Advanced Databases	IN3001	15	E	Y	6
Theory of Computation	IN3017	15	E	Y	6
Advanced Games Technology	IN3026	15	E	Y	6
Professional Placement & Career Development	IN3027	30	E	N	6
Data Visualization	IN3030	15	E	Y	6
Digital Signal Processing and Audio Programming	IN3031	15	E	Y	6
Project Management	IN3040	15	E	Y	6
Advanced Programming: Concurrency	IN3042	15	E	Y	6
Functional Programming	IN3043	15	E	Y	6
Cloud Computing	IN3046	15	E	Y	6
Information Security Fundamentals	IN3049	15	E	Y	6
User Centred Systems Design	IN3065	15	E	Y	6
Semantic Web Technologies and Knowledge Graphs	IN3067	15	E	Y	6

Programme Stage 4

For an MSci (Honours) degree student to progress from Programme Stage 3 to Programme Stage 4, Programme Stage 3 requirements must have been satisfied, and in addition an overall aggregate of 50% achieved at Programme Stage 3.

To pass Stage 4, the student must have acquired 120 credits as specified in Stage 4 of the Programme Scheme.

This Programme Stage consists of 2 compulsory core modules each worth 15 credits; and 3 elective modules (2 computer science electives and 1 data science elective), each worth 15 credits; and a compulsory core project worth 45 credits.

Elective choice may be constrained by timetabling requirements. The full range of electives may not be available in all years

Module Title	SITS Code	Module Credits	Core/ Elective	Compensation Yes/No	Level
Machine Learning	INM431	15	C	Y	7

Visual Analytics	INM433	15	C	Y	7
Individual Project	INM450	45	C	N	7
Information Retrieval	INM305	15	E	Y	7
Software Systems Design	INM330	15	E	Y	7
User-Centred System Design	INM355	15	E	Y	7
Advanced Databases	INM370	15	E	Y	7
Project Management	INM372	15	E	Y	7
Digital Signal Processing and Audio Programming	INM378	15	E	Y	7
Data Visualisation	INM402	15	E	Y	7
Advanced Programming: Concurrency	INM420	15	E	Y	7
Advanced Algorithms and Data Structures	INM422	15	E	Y	7
Neural Computing	INM427	15	E (DS)	Y	7
Cloud Computing	INM429	15	E	Y	7
Big Data	INM432	15	E (DS)	Y	7
Information Security Fundamentals	INM440	15	E	Y	7
Computational Cognitive Systems	INM703	15	E	Y	7
Advanced Games Technology	INM710	15	E	Y	7

TO WHAT KIND OF CAREER MIGHT I GO ON?

When you graduate with the MSci (Hons) in Data Science you would be expected achieve employment as data scientists in a range of businesses, from health to retail, or in government. The emphasis of this programme on areas that City has renowned research expertise, machine learning and visual analytics, and City's internships and links with many industrial partners will particularly enable students to gain appointments as specialists in data science, data analysis and visualization in the security, health, transport and energy sectors, the creative industries, and a host of organisations within Tech City.

Graduates starting a new business can benefit from City's London City Incubator and City's links to Tech City, providing support for start-up businesses. If you would like more information on the Careers support available at City, please go to:
http://www.city.ac.uk/careers/for-students-and-recent-graduates.

WHAT STUDY ABROAD OPTIONS ARE AVAILABLE?

There are no study abroad options for the programme.

WHAT PLACEMENT OPPORTUNITIES ARE AVAILABLE?

You will have the opportunity to undertake a placement in a diverse range of companies and roles working at blue-chip multinational corporations or dynamic start up ventures both in the UK and internationally. The broad spectrum of roles available will represent the developing nature of the Computer Science and Information Technology industry allowing you to focus on your interests whilst being exposed to new experiences and challenges.

You have the opportunity take a one year placement whilst at City, University of London.

The one year placement can be undertaken following successful completion of Programme Stage 2 or Stage 3 and will be required to last for a minimum of 9 months.

The following criteria apply to placements:

In order to join a placement route, you must successfully complete the preceding academic year.

You will need to source and apply for any placement opportunities independently however support and guidance will be provided throughout the application process by the Professional Liaison Unit.

In order to receive credit and successfully complete the placement, you will be required to submit deliverables for and pass a Professional Placement & Career Development module. Further information on this module and the associated deliverables can be found in the module guidance notes.

When undertaking a placement you must adhere to specific rules and regulations regarding placement conduct and other obligations as set out by the Professional Liaison Unit.

For further information on placement opportunities please go to the Professional Liaison webpage at https://www.city.ac.uk/mathematics-computer-science-engineering/placements-and-internships/about-professional-liaison-unit

---

WILL I GET ANY PROFESSIONAL RECOGNITION?

Accrediting Body: BCS, The Chartered Institute for IT

Nature of Accreditation

In order to gain accreditation you must successfully complete the 480 credits of the MSci programme, including passing at the first attempt a practical problem solving project. In particular, leaving the programme after 3 year whilst earning and honours degree will not gain accreditation.

Partial CEng accreditation
Certificate

Diploma
Professional Graduate Diploma
PGD Project

HOW DO I ENTER THE PROGRAMME?

Typical offers:

A level: 128 UCAS tariff points. Point scores exclude general studies and key skills. Point scores exclude general studies and key skills. These must include A level Computer Science, Mathematics or Physics at ABB

BTEC: Typical offers are D*DD (IT/numerate subjects only)

IB: 32 including all Higher Level at grade 6

Mixed qualifications: We do accept applications from students who are completing a combination of qualifications. For this course, this would be something like: D* in IT with a grade B in 'A' Level Computer Science and a grade B in another 'A' Level. We may also take 'AS' Level grades into consideration

In addition, the following is required:

— GCSE: A minimum of grade 4 in GCSE English, a minimum of grade 5 in GCSE Mathematics.

Suitable equivalent overseas qualifications are also considered. However, in all cases the final decision is subject to the satisfactory evaluation of prior qualifications by the Admissions Tutor.

English language requirements: IELTS: 6.0 with a minimum of 6.0 in the writing sub-test GCSE: English language grade C. Please note that TOEFL is not accepted as evidence of English language ability for students that require a Confirmation of Acceptance for Studies.

This programme shares Programme Stage 1 and Programme Stage 2 with MSci and BSc in Computer Science, MSci in Computer Science with Games Technology and MSci in Computer Science with Cyber Security at City, University of London. Transfer will be allowed to those students who have acquired 120 credits and have obtained aggregate mark of at least 55% in Programme Stage 2 of their studies.

Version: 3.0
Version date: July 2021
For use from: 2021-22