



Kingston School Direct Tuition Fee Route Subject Programme Information for 2019-2020



Computing, Mathematics, Science, Social Sciences

About our alliance

Our partnership aims to create a caring and vibrant environment, where trainee teachers can develop their teaching expertise, knowledge and skills while feeling valued and supported by expert professionals and inspirational leaders. Our teachers are excellent practitioners, committed to sharing their skills, knowledge and practice with the next generation of teachers.

Coombe Girls' School is a nationally designated Teaching School judged 'outstanding' by Ofsted outstanding in every category at its last inspection.

Schools involved in our programme have included:

Chessington Community College, Coombe Boys' School, Coombe Girls' School, Hinchley Wood School, King's College School (Wimbledon - independent), Raynes Park High School, Richard Challoner School, Rutlish High School, Southborough High School, The Holy Cross School, The Kingston Academy, The Tiffin School, The Tiffin Girls' School and Tolworth Girls' School.

The unique strength to the secondary partnership lies in the diversity of provision, offering our student teachers an enriching, contrasting experience. The partnership includes co-educational schools, single sex, selective and non-selective and one independent. Our secondary programmes provide opportunities to develop post-16 teaching practice.

Our schools enjoy a highly valued reputation locally, many oversubscribed due to the competitive, high-performing profile of our borough. Student behaviour is generally excellent and results show that many students consistently outperform their national peers.



General requirements and eligibility

You should have a minimum of a 2:2 honours degree, with GCSEs in English Language and Maths at Grade C or Grade 5, or above. For equivalency testing, we accept: equivalencytesting.com You should have a good degree in the subject that you wish to teach, or in a closely related subject.

On all our programmes, we are looking for ambitious trainee teachers who are passionate and enthusiastic about their subject, with a real desire and ability to share this with young people of all abilities, needs and backgrounds at secondary level. You will ideally have some experience of working with young people, perhaps through volunteer work, young clubs, sports teams or charities.

We strongly recommend that you gain some experience in a classroom prior to interview.

All places on the PGCE are subject to satisfactory health and criminal convictions assessments. Applicants will be required to complete an enhanced Criminal Records Bureau Disclosure and Barring Service (DBS) check. We expect you to share our commitment to safeguarding and promoting the welfare of children, young people and vulnerable adults.

About our university provider partners

We work with two university partners - UCL and Roehampton University. We offer some subject programmes through either partner, and others only through one partner. UCL is the largest provider of teacher training in the country and offers high quality facilities in Central London. Some trainees prefer a more local option, and we are fortunate that Roehampton University is located in our area and also provides high quality teacher training.

The Roehampton University School of Education is one of the principal providers of teacher training in the UK, with partnerships of over 350 schools and a rich history of over 175 years. Students enjoy high quality teaching and excellent employment prospects: 99% of teacher training graduates are in work or study six months after leaving (Destinations of Leavers of Higher Education 2013/14). The beautiful parkland campus in south-west London is only 30 minutes from the West End. The School is ranked third in London for the quality of our research in the field of education (Research Excellence Framework 2014).

UCL Institute of Education (IOE) is a global leader in teacher education. Their programmes are recognised by Ofsted as 'outstanding' in every criterion across Primary and Secondary Education. UCL IOE has been providing first-class teacher training, in partnership with schools and colleges for over 100 years. UCL IOE graduates are highly sought after in schools and colleges throughout London and the UK. Its central location in historic Bloomsbury means that it is in the heart of London. Close by are stations at Russell Square, King's Cross, St Pancras and Euston.

Course length and fees

All our programmes last one year, from September to July.

The tuition fee route fee is £9,250 payable to the university provider. You may be eligible for financial support while you study, including bursaries, scholarships and loans - see :

<https://www.gov.uk/teacher-training-funding>. If you are from outside of the UK - see also: <https://getintoteaching.education.gov.uk/explore-my-options/overseas-graduates>

How school placements work

Once you have been accepted onto the programme, your placement schools will be allocated from the pool of schools offering your subject. This process is not normally finalised until late June, by when our schools will have fixed their staffing for September.

On our Roehampton programmes, you will have two consecutive school placements (the A-B model). The first lasts three months and the second lasts five months, meaning you will gain a deep understanding of both schools, their challenges, approaches and contexts. We aim to give you two contrasting settings, in order for you to experience this variety. Schools will give you a balance of year groups and abilities and, where possible, arrange for you to teach KS5, but this is not always manageable in both placement schools. Placement one runs from late September to mid-December and placement two runs from January to the start of June. During this placement time, you spend four days a week in school (not Wednesdays).

On our UCL programmes, you will have two consecutive placements of roughly equal length - something which we consider a real strength of our programme, as it means that you will gain a deep understanding of both schools, their challenges, approaches and contexts. We aim to give you two contrasting settings, in order for you to experience this variety. Schools will give you a balance of year groups and abilities and, where possible, arrange for you to teach KS5, but this is not always manageable in both placement schools. Placement one will run from October to January and placement two will run from February to May.

You may express a preference of school, which we will consider when drawing up the placements - but we cannot guarantee it. We aim to keep your travel time to a maximum of one hour, although in most cases travel time is much less.

From the beginning you will be treated as a member of staff, welcomed into your subject department and invited to attend staff meetings, development days, staff social activities and relevant educational trips. Each trainee will have a dedicated mentor in their placement school, who will guide you and work alongside you to identify needs and provide personalised support as you develop. Our mentors are outstanding teachers who are required to undertake a rigorous training programme to develop their coaching, effective classroom observation and feedback skills. They will work with you to develop rigour, professional knowledge, understanding and skills in order to deliver creative, purposeful and challenging teaching and learning.

You will gradually build up your contact time with students as you develop your confidence, teaching skills and time management. You will be assigned to a tutor group, in order to regularly shadow a tutor and support all-important pastoral work.

The interview process

Coombe Girls' School, as the lead school in the partnership, will co-ordinate the recruitment process. The university provider will carry out all the necessary academic eligibility checks.

Following successful shortlisting, you will be invited for an assessment day in school, up to twenty five working days after we receive your application. This may include an individual interview, a presentation task, leading part of a lesson, a subject knowledge assessment and a written task. This will also be an opportunity for you to learn about the training programme and partnership, see the

school and talk to some staff and pupils. The process will be rigorous and will enable us to assess your potential for the teaching profession and to identify strengths and weaknesses for you to begin to address.

We operate a one stage process on our Roehampton University programmes.

On our UCL programmes, it is a two stage process, so if you are successful at the school interview, you will then be invited to an interview day at the UCL Institute of Education. This day will also serve as an opportunity to learn more about the PGCE course, the tutors and the facilities at the Institute.

Training with disabilities and other needs

All school direct students have full access to the student services in our university provider partners. This includes support services for students with a range of physical and mental health needs. Their campuses have full disability access.

Students may also access well-being and counselling services and support services for specific learning needs, including dyslexia and dyspraxia, through academic achievement advisers.

The Institute of Education has a nursery available (run by University College London). However, for student teachers we recommend you look into childcare options near your place of residence or host teaching school.

Our partner universities also offer accommodation for student teachers, although it may be better to find accommodation near placement schools.

Summary of programme availability and UCAS programme codes

Tuition Fee Subject	Roehampton	UCL	Tuition Fee Subject	Roehampton	UCL
Art and Design	Not available	26ZF	History	3C8T	26Z6
Biology	373G	26ZB	Mathematics	3C8S	26Z2
Business Studies	Not available	26ZH	Modern Languages	3C8Q	26Z3
Chemistry	373F	26ZC	Music	3C8P	26Z7
Computing	3C8X	273K	Physical Education	334R	Not available
Design & Technology	334Q	Not available	Physics	3C8N	26ZD
Drama	273J	Not available	Religious Education	2FPS	Not available
English	Not available	26YZ	Social Sciences	Not available	2FPT
Geography	3C8W	26Z5			

To contact us: [✉ schooldirect@coombegirlsschool.org](mailto:schooldirect@coombegirlsschool.org) ☎ 0208 942 1242 (Coombe Girls' School)

Subject-specific programme details

Biology (373G), Chemistry (373F) and Physics (3C8N) with Roehampton

Programme overview

The PGCE Secondary science programmes at Roehampton University (Science with Biology, Science with Chemistry and Science with Physics) are designed to enable you to teach, as a minimum, all the science specified in the National Curriculum for science at Key Stage 3, and your chosen science specialism from biology, chemistry or physics, at Key Stage 4 and, if appropriate, at post-16.

Students join the course with a variety of science degrees and backgrounds. Few, if any, are confident from the start in all aspects of science demanded by the National Curriculum or even by their own subject specialism. Early in the course you will complete a personal audit and begin an action plan to build on your general science and subject specialism knowledge. This is an important thread running through the programme. A similar approach is followed with your understanding and skills in ICT, so you will be able to use these when teaching.

The programme is the result of close collaboration between school-based mentors and the Roehampton team. It is arranged into three terms. In the first term you begin to learn how pupils develop science understanding and skills while at the same time building enough confidence to plan and teach a science lesson. The second term extends this by using teaching experience to improve lesson performance and revisit and extend issues within science education. The third term addresses science education outside the classroom and broader issues concerning the role of science within the school curriculum. Towards the end of this term, you will develop an action plan to provide a basis for progression and development within your first year of teaching.

Science education at Roehampton is well staffed and resourced so that we are able to provide you with practical workshops as well as seminars and personal tutorials. Throughout the programme we aim to produce more than strong classroom practitioners; we aim also to produce reflective teachers who will go on to participate in, and influence, the future development of science education.

Science Subject Studies will take place throughout the year on Wednesdays - at university, in a partner institution or site of educational interest. On some Wednesdays you will focus on Professional Studies (more generic aspects of teaching and learning) with student teachers from other specialisms. This will take the form of lectures, seminars, workshops or research. You will have full access to the library and other services at the university. See also <https://www.roehampton.ac.uk/postgraduate-courses/pgce-secondary/pgce-secondary-science-specialism/>

Programme requirements

Roehampton University requires a minimum of a 2:2 honours degree, with GCSEs in English Language and Maths at Grade C or Grade 5, or above. For equivalency testing, we accept <http://www.equivalencytesting.com/>

Biology - You should have a good degree in biology or biology related subject (including psychology), or a joint degree with biology as the major component (ie at least two years of biology studies at undergraduate level).

Chemistry - You should have a good degree in a chemistry-related subject (including geology, chemical engineering or pharmacy), or a joint degree with chemistry as the major component (ie at least two years of chemistry studies at undergraduate level).

Physics - You should have a good degree in physics or engineering subject, or a joint degree with physics as the major component (i.e. at least two years of physics studies at undergraduate level).

For full details of entry requirements <https://www.roehampton.ac.uk/applying/pgce-secondary-entry-requirements/>

We expect you to have a good basic knowledge of biology, chemistry and physics, and be willing to learn more. We normally expect you to have an A level in your main subject, plus one other science subject at minimum grade D, or the equivalent. Candidates without these qualifications may be accepted if they have acquired knowledge through other routes (e.g. work experience).

Biology (26ZB), Chemistry (26ZC) and Physics (26ZD) with UCL

Programme overview

The course is run by the UCL Institute of Education (Russell Square), lasts from September to June, and leads to the award of Qualified Teacher Status, PGCE and 60 MA credits.

The PGCE course will help you to develop the professional skills and knowledge you need to teach all aspects of science to pupils at least up to age 16, as well as your main specialism (Biology, Chemistry or Physics) to pupils aged up to 18. We are committed to creative approaches to teaching science, and you will be encouraged to develop resources during the programme. The experienced tutors have previously been classroom teachers and heads of school science departments, and have worked in industry. They are actively involved in science education research, work on national curriculum development, and lead sessions for Science Learning Centre London.

You will acquire a critical understanding of current debates and issues relating to science education and we will guide and support you in developing your subject knowledge. You are expected to engage with reading and research in science education and to regularly reflect upon your own progress.

The PGCE course covers health and safety, management of teaching and learning in laboratories and outdoors, the use of ICT, facilitating small group discussion, meeting pupils' special needs, and assessment. The facilities include a suite of laboratories and a micro-computing laboratory. You will also have the opportunity to teach outside the classroom in a variety of London venues such as the Science Museum and Kew Gardens.

You will have full access to the library and other student facilities at UCL IOE.

For further information <http://www.ucl.ac.uk/ioe/courses/teacher-training/biology-pgce>

For further information <http://www.ucl.ac.uk/ioe/courses/teacher-training/chemistry-pgce>

For further information <http://www.ucl.ac.uk/ioe/courses/teacher-training/physics-pgce>

Programme requirements

UCL requires a minimum of a 2:2 honours degree, with GCSEs in English Language and Maths at Grade C or Grade 5, or above. UCL does not accept additional or applied GCSE subjects. For equivalency testing, UCL will only accept tests from <http://www.equivalencytesting.com/>

Biology - You should have a good degree in biology or biology related subject (including psychology), or a joint degree with biology as the major component (ie at least two years of biology studies at undergraduate level).

Chemistry - You should have a good degree in a chemistry-related subject (including geology, chemical engineering or pharmacy), or a joint degree with chemistry as the major component (ie at least two years of chemistry studies at undergraduate level).

Physics - You should have a good degree in physics or an engineering subject, or a joint degree with physics as the major component (i.e. at least two years of physics studies at undergraduate level).

For full details of entry requirements <https://www.ucl.ac.uk/prospective-students/graduate/teacher-training/entry-requirements>

We expect you to have a good basic knowledge of biology, chemistry and physics, and be willing to learn more. We normally expect you to have an A level in your main subject specialism, plus one other science subject at minimum grade D, or the equivalent. Candidates without these qualifications may be accepted if they have acquired knowledge through other routes (e.g. work experience).

Computing with Roehampton (3C8X)

Programme overview

The Roehampton Secondary Computing PGCE is a new bespoke programme developed and taught in partnership with some of the leading computing teachers in local schools. The University is at the forefront of computing education, with staff contributing to curriculum development, publications and policy at national and international level.

Students learn about the challenges and opportunities of teaching computing, IT and digital literacy in secondary schools. The course looks at how approaches from the world of software development, such as agility and craftsmanship have parallels in the classroom, and can be applied to teaching and learning in programming and digital media. The course equips you to develop your students' computational thinking and ICT capability, within and beyond the subject curriculum.

Teaching and learning methods provide both challenge and support, and draw on practical activities, independent study, group work and academic input; high quality school placements are an integral part of the course. Written assignments allow you to pursue your own professional interests from a foundation of core pedagogic subject knowledge.

The course is ideally suited to recent graduates in computing related degrees and to those with practical experience of software development. The University hopes to offer a preliminary subject knowledge enhancement course for graduates in other subjects without programming experience.

Computing Subject Studies will take place throughout the year on Wednesdays - at university, in a partner institution or site of educational interest. On some Wednesdays you will focus on Professional Studies (more generic aspects of teaching and learning) with student teachers from other specialisms. This will take the form of lectures, seminars, workshops or research.

For further information <https://www.roehampton.ac.uk/postgraduate-courses/pgce-secondary/pgce-secondary-computing-specialism/>

Programme requirements

Roehampton University requires a minimum of a 2:2 honours degree, with GCSEs in English Language and Maths at Grade C or Grade 5, or above. For equivalency testing, we accept <http://www.equivalencytesting.com/>

You should have a good first degree at 2.2 or above in an ICT or computing-related subject such as computing, business ICT, multimedia and games design. We may consider a degree not in ICT, if you have considerable practical ICT or computing knowledge and experience of ICT training or teaching.

For full details of entry requirements: <https://www.roehampton.ac.uk/applying/pgce-secondary-entry-requirements/>

A general basic knowledge of ICT applications is not sufficient. You must have good practical skills and technical know-how, particularly in programming and computing-related practical work.

Computing with UCL (273K)

Programme overview

The course is run by the UCL Institute of Education (Russell Square), lasts from September to June, and leads to the award of Qualified Teacher Status, PGCE and 60 MA credits.

The PGCE Computing with ICT will equip you to teach a range of courses up to and including A levels. During the course you will develop the skills required to be a specialist subject teacher capable of designing and delivering excellent lessons in both Computing and ICT.

You will be supported by tutors with many years of experience as classroom teachers, heads of department and subject advisory teachers. The course is carefully structured to support you through the early stages of observing and helping in classrooms, through to planning and delivering your own lessons. School-based staff will ensure that the teaching demands placed on you increase in line with your growing confidence, but you will always have ready access to support from your school mentor and university tutor.

The Computing with ICT PGCE benefits each year from a diverse range of students with a good gender balance, students of all ages and an ethnic diversity reflecting London's population. A key theme is collaboration and sharing and the course offers the opportunity to become a member of a supportive team of new teachers who often continue to work with each other after the end of the course.

You will have full access to the library and other student facilities at UCL IOE.

For further information: <http://www.ucl.ac.uk/ioe/courses/teacher-training/computing-ict-pgce>

Programme requirements

UCL requires a minimum of a 2:2 honours degree, with GCSEs in English Language and Maths at Grade C or Grade 5, or above. UCL does not accept additional or applied GCSE subjects. For equivalency testing, UCL will only accept tests from: <http://www.equivalencytesting.com/>

Your degree should be in an ICT or computing-related subject. This includes computing, business ICT, multimedia and games design. We may consider you with a different degree, if you have considerable practical ICT or computing knowledge and experience of ICT training or teaching.

Please be aware that, for this course, a general basic knowledge of ICT applications is not sufficient.

For full details of entry requirements: <https://www.ucl.ac.uk/prospective-students/graduate/teacher-training/entry-requirements>

Mathematics with Roehampton (3C8S)

Programme overview

On the Roehampton programme you will learn how pupils develop mathematical understanding, knowledge and skills. University tutors and mentors in school will help you to develop a teaching style that enables your pupils to learn mathematics effectively and confidently. You will develop your own skills in the use of ICT and become familiar with the software that can be used to enhance mathematical teaching. A wide range of mathematical resources will be available in the Mathematics Centre to inform your studies.

The PGCE will introduce you to a range of perspectives on the mathematics classroom and enable you to develop a variety of approaches to address pupils' needs. You will learn how to make mathematics meaningful and to teach effectively.

The course introduces you to key research, prepares you for critical thinking about learning in general and learning mathematics in particular, and helps you to make connections between theoretical perspectives, research, policy and practice.

The course considers the purposes of mathematics education in the wider school context and in society as a whole, and looks at how mathematics can be made more relevant for pupils.

By the end of the course, you will be confident about teaching mathematics across the 11 to 16 age range. There will also be opportunities to develop some understanding of post-16 teaching. The PGCE provides a strong basis for further professional development and leadership in mathematics education.

Mathematics Subject Studies will take place throughout the year on Wednesdays - at university, in a partner institution or site of educational interest. On some Wednesdays you will focus on Professional Studies (more generic aspects of teaching and learning) with student teachers from other specialisms. This will take the form of lectures, seminars, workshops or research.

For further information <https://www.roehampton.ac.uk/postgraduate-courses/pgce-secondary/pgce-secondary-mathematics-specialism/>

Programme requirements

Roehampton University requires a minimum of a 2:2 honours degree, with GCSEs in English Language and Maths at Grade C or Grade 5, or above. For equivalency testing, we accept: <http://www.equivalencytesting.com/> Applicants should have a single subject degree in mathematics or a joint degree in which mathematics formed a substantial part. Students with a degree in other disciplines with a strong mathematical content, such as engineering and management science, are also welcome to apply.

Ideally, you will have studied a broad range of mathematics, extending at least three of the following topics significantly beyond A level: analysis, algebra, geometry, calculus, mechanics, probability and/or statistics.

We expect you to be confident in the use of information and communications technology (ICT), and willing to extend your abilities in the use and application of technology in your teaching.

For full details of entry requirements: <https://www.roehampton.ac.uk/applying/pgce-secondary-entry-requirements/>

Mathematics with UCL (26Z2)

Programme overview

The course is run by the UCL Institute of Education (Russell Square), lasts from September to June, and leads to the award of Qualified Teacher Status, PGCE and 60 MA credits.

The PGCE will introduce you to a range of perspectives on the mathematics classroom and enable you to develop a variety of approaches to address pupils' needs. You will learn how to make mathematics meaningful and to teach effectively.

The UCL IOE's mathematics educators have an international reputation for research and innovation and their research interests include curriculum, assessment and accountability in mathematics education; digital technologies in mathematics education; language and the learning of mathematics; identity in relation to learning mathematics; and social justice issues in mathematics education. The course introduces you to this research, prepares you for critical thinking about learning in general and learning mathematics in particular, and helps you to make connections between theoretical perspectives, research, policy and practice. The course considers the purposes of mathematics education in the wider school context and in society as a whole, and looks at how mathematics can be made more relevant for pupils.

By the end of the course, you will be confident about teaching mathematics across the 11 to 16 age range. There will also be opportunities to develop some understanding of post-16 teaching. The PGCE provides a strong basis for further professional development and leadership in mathematics education.

You will have full access to the library and other student facilities at UCL IOE.

For further information: <http://www.ucl.ac.uk/ioe/courses/teacher-training/mathematics-pgce>

Programme requirements

UCL requires a minimum of a 2:2 honours degree, with GCSEs in English Language and Maths at Grade C or Grade 5, or above. UCL does not accept additional or applied GCSE subjects. For equivalency testing, UCL will only accept tests from: <http://www.equivalencytesting.com/>

Normally we expect a degree in mathematics, or with substantial mathematics content (for example, mechanical engineering or physics). Ideally, you will have studied a broad range of mathematics, extending at least three of the following topics significantly beyond A level: analysis, algebra, geometry, calculus, mechanics, probability and/or statistics.

For full details of entry requirements: <https://www.ucl.ac.uk/prospective-students/graduate/teacher-training/entry-requirements>



Social Sciences with UCL (2FPT)

Programme overview

The course is run by the UCL Institute of Education (Russell Square), lasts from September to June, and leads to the award of Qualified Teacher Status, PGCE and 60 MA credits.

The course will prepare you to teach the social sciences in a flexible and exciting way. The UCL IOE tutors are committed to promoting good interactive teaching and learning in their sessions, and a collaborative ethos is encouraged so that you share materials, resources and ideas with other student teachers.

At the UCL IOE, you will participate in a range of lectures and seminars designed to enhance your development as a teacher. These highly interactive sessions will cover how children learn, assessment, lesson planning, behaviour management and subject-specific matters. The programme involves visits to sites around London as well as a wide range of guest speakers.

We draw on current research at the UCL IOE and elsewhere to inform your social science teaching and encourage you to engage with recent debates and literature in the field. Our underlying aim is to develop you as a reflective and highly skilled teacher. In our partner schools and colleges, you will teach your main social science subject (psychology or sociology) at AS and possibly A2 level. At GCSE/KS3, students need to be able to teach a humanity or related subject such as RE, geography, history, health and social care or childhood studies.

You will have full access to the library and other student facilities at UCL IOE.

For further information: <http://www.ucl.ac.uk/ioe/courses/teacher-training/social-science-pgce>

Programme requirements

UCL requires a minimum of a 2:2 honours degree, with GCSEs in English Language and Maths at Grade C or Grade 5, or above. UCL does not accept additional or applied GCSE subjects. For equivalency testing, UCL will only accept tests from: <http://www.equivalencytesting.com/>

You should have a degree in psychology or sociology or a combination of these social sciences. Priority is given to candidates with upper second-class honours (2:1) or above.

You should have a good grade at A level in your main social science subject, plus one other relevant A level, ideally in another social science or otherwise in a humanities subject. You should be aware of current educational policies and issues.

For full details of entry requirements: <https://www.ucl.ac.uk/prospective-students/graduate/teacher-training/entry-requirements>



COOMBE
preparing you
for a world of
opportunity

