



Secondary Education with Chemistry/Physics/Biology

Postgraduate Certificate in Education

(Including a Recommendation for Qualified Teacher Status
and Master's-Level Credits)

OR

Professional Graduate Certificate in Education

(Including a Recommendation for Qualified Teacher Status)



Why study this programme?

This programme offers student teachers the opportunity to:

- Become professional, creative and effective teachers of science
- Develop practical knowledge and theoretical understanding of science within the context of the National Curriculum
- Work successfully with secondary school children within the context of the curriculum at Key Stages 3 and 4
- Widen individual skills, expertise and background knowledge across the field of science education
- Learn through a commitment to critical reflection on theory and practice
- Continue professional development and become innovators capable of active involvement in the future evolution of the subject.



We welcome applications from a range of science-related degree subjects, such as, sports science, forensic science or zoology, as well as graduates of chemistry, physics or biology. We also welcome applications from career changers, people who may have been working for some time, or mature students who would like the opportunity to train to teach. This programme offers strong university tutor support, with easy access to tutors.

This is an intensive programme – in 36 weeks you will be expected to develop your subject knowledge, understand how pupils learn science and demonstrate that you can teach science effectively. It is hard work, but it is also challenging and totally absorbing.

In addition to covering all aspects of the National Curriculum and addressing all the relevant government standards, this programme aims to help student teachers develop as effective teachers of science. University workshop sessions cover a wide range of topics, including health and safety in the school laboratory, planning lessons, assessment of pupils and classroom management. There is also the opportunity to work collaboratively with students from other subject areas, such as mathematics.

Why study with us?

The School of Education exemplifies the very best practice in teaching and learning through interactive lectures and seminars, electronic media, peer learning, tutorials and a wide variety of resources.

The School is one of the most diverse of its kind in the country: our programmes, both academic and professional, cover subjects ranging from early years, primary and secondary education to lifelong learning and informal educational settings .

We are a large but friendly School and ensure that each student receives individual attention. We are proud of our pastoral care, which supports our students and helps them achieve their goals.

A vital ingredient that helps maximise the success of our students is our diverse partnerships with community projects, the volunteer sector, adult education centres, teaching schools and academies. These help keep our programmes relevant to the needs of the workplace.

Our programmes are supported by research and scholarship. Many of our lecturers are active researchers with a wide range of interests in fields such as teaching poetry, leadership, play and recreation, natural learning, music education and education policy.

Our professional programmes have recently undergone a successful Ofsted inspection, with some aspects of our provision being graded as outstanding. The university has been ranked number one for teaching excellence in London in the Sunday Times University Guide.

The School of Education is located on our Avery Hill Campus , which is set in pleasant parkland in south-east London. Avery Hill has convenient transport links to our other campuses

and to Kent and central London. The Students' Union University of Greenwich (www.suug.co.uk) organises a variety of sports and social activities on campus.

What will you study?

Teaching Studies

This course prepares student teachers to teach science at Key Stages 3 and 4 and understand the pathways of progression through the 14–19 phase in school, college and work-based learning. It helps student teachers to understand statutory and non-statutory frameworks, and develops their skills to plan inclusive and stimulating science lessons and formatively assess the understanding of their pupils.

Science Subject Enhancement

This course aims to support students as they develop their subject knowledge and understanding in order to teach science within Key Stage 3 phase of secondary education. It supports students as they develop this specialist subject knowledge at Key Stage 4 and post-16. In specialist-led workshop sessions, students develop their practical skills and are helped to understand the theory underlying key concepts.

Professional Studies

This course covers those aspects of learning and teaching (and the wider role of the teacher) that all secondary teachers need to understand and engage in. Student teachers are given the opportunity to work in cross-subject seminar groups to emphasise the importance of the 'whole-school' role of the teacher.



Key facts

GTRR code: F2X1 (Chemistry) F3X2 (Physics); CX11 (Biology)

Attendance: students must attend all university lectures and workshops and during teaching experience must work the same hours as teachers (this is longer than the school-timetabled day). Good attendance and punctuality are essential aspects of professionalism and form part of your assessment throughout the programme.

The programme runs full-time for 36 weeks; this includes 24 weeks on a supervised placement in a partner school on teaching experience. The remainder of the training is carried out at our Avery Hill Campus, in Eltham, south-east London. Here, student teachers have the benefit of tuition from a range of experienced teachers, mainly through practical workshop sessions. Student teachers are allocated a subject-specialist mentor, who observes them in school and offers support.

Entry requirements:

Applicants must have:

- A 2.2 or above in an honours degree in science or a science-related subject

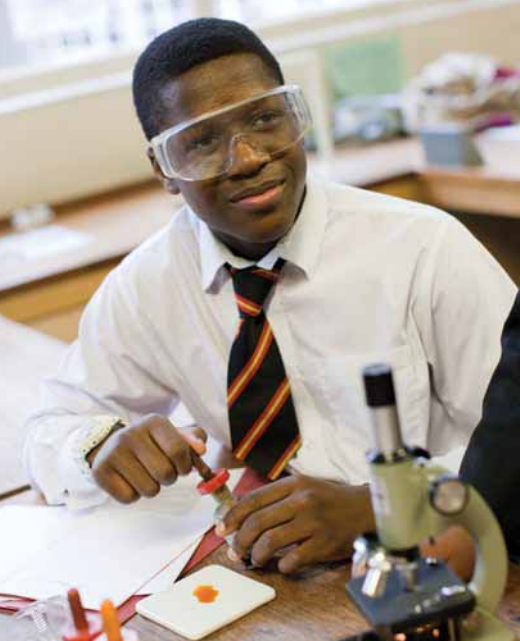
with sufficient science content, e.g. BSc Hons Forensic Science. If you do not have a sufficient science background or it requires refreshing, you may be asked to follow a Science Knowledge Enhancement Programme before taking up a PGCE place.

- GCSE mathematics and English language at grade C or above or equivalent qualifications
- Appropriate interpersonal skills
- The ability to study independently.

Applicants are required to attend an interview and provide a statement supporting their application. The statement and interview must demonstrate the interest, commitment and understanding necessary for teaching science in secondary schools.

Statutory checks: applicants must undergo a Criminal Records Bureau (CRB) 'Enhanced Disclosure' check. Failure to satisfy CRB standards or to supply relevant information may result in removal of an offer for admittance to the programme or a student's removal from the programme.

How to apply: apply online at www.gtrr.ac.uk and quote the GTRR code.



Career opportunities

Teaching in a secondary school.

Teaching and assessment

Student teachers starting the programme usually have an area of subject specialism, for example, biological science. The initial basis for monitoring progress is an audit of the trainee's understanding of science, as well as the experience and expertise he or she brings to the programme. This enables tutors to direct student teachers into areas of science practice which may need further development or support.

Student teachers' progress is assessed through a professional portfolio, written assignments and observation of classroom teaching. In order to qualify as a teacher, you need to meet the standards for Qualified Teacher Status, as set out by the Training and Development Agency for Schools (TDA).

You will be given the opportunity to submit work at Master's level, which will provide extra credits towards further postgraduate study, such as the Master's in Education. This Master's-level work will change the award from the Professional Graduate Certificate in Education to the Postgraduate Certificate in Education.

Subject Knowledge Enhancement Course

We offer this course to concentrate on your weaker areas before taking up a particular science programme. For more details, see www.gre.ac.uk/edu/ske.

Financial information

For up-to-date financial information on tuition fees, grants and bursaries please go to www.gre.ac.uk/finance or visit the TDA website at www.tda.gov.uk.

"This programme equipped me to deal with life as a teacher in school."

Lilian Adeshina
Graduate

"The tutors are very supportive and understanding of students' circumstances – even when we are on placement they are accessible."

Marissa Sellars
Graduate

"Good practice is embedded in us so that we can develop into professionals."

Dione Butcher
Graduate

Your next step

University Open Days are held several times a year. They include a programme of talks and offer you the opportunity to speak to staff and students. You may also be given a tour of the campus. A list of dates can be found at **www.gre.ac.uk/opendays**, or contact the Enquiry Unit or International Office for further information.



Why not sign up as a Greenwich VIP and create your own Greenwich webpage, personalised to

your choice of programme and interests? Becoming a Greenwich VIP is a fast route to ordering our publications, booking an Open Day and finding out more about the university. You can also take part in chat sessions with staff and students, receive text and e-mail alerts, and enter our online competitions. Sign up at **www.gre.ac.uk/study**.

For further information

To find out more about studying at the university, please contact:

Website: www.greenwich.ac.uk

UK students

Enquiry Unit

Telephone: 020 8331 9000

Fax: 020 8331 8145

E-mail: courseinfo@gre.ac.uk

International/EU students

International Office

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