

Subject Knowledge Enhancement: Secondary Mathematics

Mathematics is an essential and compulsory subject at secondary level (Key Stages 3 and 4). It is also a subject where there is a relative scarcity of experienced and qualified teachers. Employment prospects for maths specialists are excellent.

If you are a graduate intending to embark on an initial teacher training (ITT) course, or if you are a qualified teacher who has trained to teach another subject, this course is an attractive professional development opportunity to improve your mathematical knowledge and skills in order to add mathematics to the subjects you are able to teach.



- You will gain a thorough grounding and critical insight into the mathematics taught at secondary level.
- Through regular face to face classes and workshops you will develop the craftsmanship of delivering mathematics in an engaging way using a variety of approaches.
- On successful completion, you will also acquire 40 credits towards the UCS MA in Learning and Teaching*.

Start date: 28 February 2015

Duration: 24 weeks

Attendance: 21 days at UCS Ipswich Waterfront campus, plus guided independent study

Tuition fees: A bursary from NCTL of up to £4,800 may be available for ITT entrants. All other applicants will be charged £1000, the fee for a 40 credit MA module

Find out more:

**[www.ucs.ac.uk/
shortcourses](http://www.ucs.ac.uk/shortcourses)**

**E: a.bowker@ucs.ac.uk
T: 01473 338591**

“UK faces desperate shortage of science and maths teachers”
(Independent, 13 August 2013)

“Bigger maths GCSE will represent a quantum leap for teachers”
(Times Educational Supplement, 28 May 2014)

“There’s never been a better time to train as a maths teacher”
(Department for Education [online], accessed 5 November 2014)

The new course **Subject Knowledge Enhancement: Secondary Mathematics** offered at UCS from February 2015 represents a carefully planned and long-term solution to address the current problem of a shortage of maths skills among existing and future teachers. The course fulfils the requirement of a Subject Knowledge Enhancement programme (SKE) as defined by the National College of Teaching and Leadership on behalf of the Department for Education.

Upskilling the current workforce, and enhancing the underpinning skills of new entrants to the teaching profession, will contribute to the ability of schools to respond to the challenges of mathematics in the new curriculum, as well as enhancing the career prospects of staff able to teach maths.

This course gives a thorough grounding in the mathematical knowledge appropriate for National Curriculum Key Stages 3 and 4, including the increased importance placed upon problem solving. It will also address how mathematics develops beyond GCSE, in order that teachers can support pupils with progression and respond confidently to the needs of the gifted and talented.

Teaching and learning comprises of a mix of tutor-led classes, collaborative workshops, structured study of online resources, virtual discussion forums, self-directed study and reflection.

Assessment will consist of a timed examination, a critical analysis of GCSE style maths questions, and a reflective discussion and application of practical problem solving in mathematics education.

“Good maths teachers are in high demand, and with good reason. A career in teaching maths constantly presents fresh challenges that reap high levels of job satisfaction.”

(Department for Education [online], accessed 5 November 2014)

* The MA Learning and Teaching offers a choice of routes for practising professionals and managers in educational settings. Optional modules allow a focus on areas of professional interest including leadership and management. Different qualifications are available: a Postgraduate Certificate (60 credits); a Postgraduate Diploma (120 credits) or the full MA degree (180 credits). For further details please look at the website www.ucs.ac.uk/malt or contact Dr Clare Gartland c.gartland@ucs.ac.uk