Mathematics
School of Mathematics and Physics
The University of Lincoln has an excellent track record for graduate employment, with 95 per cent of our recent graduates in employment or further study within six months of finishing their course, according to the latest Destinations of Leavers from Higher Education survey. Nationally, mathematics graduates can enjoy one of the highest average graduate salaries too.

**BSc (Hons) Mathematics**

This BSc (Hons) Mathematics degree aims to provide a fundamental education in mathematics, including pure and applied mathematics. The subject aims to provide a thorough grounding in analytical and numerical methods, practical scientific skills and research methods.

The four-year MMath programme is designed for those seeking to develop advanced mathematical skills. The first three years are common with the BSc (Hons) Mathematics, while the fourth year offers the opportunity to study more advanced topics in greater depth, such as Galois Theory or Financial Kinetics.

BSc (Hons) Mathematics graduates are well placed to succeed in careers including science and technology, engineering, computing, medicine, education, consultancy, business and finance, and with government bodies. Some choose to undertake further study at postgraduate level. Students who graduate with a MMath Mathematics are further equipped to deal with advanced mathematical problem-solving and should have concluded a significant academic project or industrial placement which can enhance their employability.

**BSc (Hons) Mathematics and Computer Science**

The BSc (Hons) Mathematics and Computer Science degree aims to provide a broad education in applied and pure mathematics, coupled with the equally broad range of skills provided by computer science. Mathematics is at the foundation of many different areas, and the joint aspect of this programme provides students with the opportunity to access a higher level of understanding in both fields.

This degree can provide a springboard to careers in science, education, consultancy, finance and business, where graduates can be sought after for their mathematics, analytical and problem-solving skills.

**BSc (Hons) Mathematics and Physics**

The BSc (Hons) Mathematics and Physics degree aims to provide a broad education in mathematics, including pure and applied mathematics, allowing you to prepare for a range of career options as well as combining this with fundamental and applied physics. Along with problem-solving skills and computational training, this degree aims to provide you with a well-rounded experience.

Graduates can be found undertaking a variety of roles in industry, including research and development, process control, and regulatory roles. Many go on to study at postgraduate level.

**MSc by Research/MPhil/PhD Mathematics**

Research in applied mathematics is focused on the development of numerical methods and algorithms for solving various equations found in materials science, specifically in the field of nanomaterials. This includes advanced parallelisation and adaptation of the methods for modern supercomputers.

Postgraduate research in Pure Mathematics covers the areas of group theory and theory of Lie algebras. Training is provided through individual supervision of research and by advanced seminars. As a research student, you can benefit from a comprehensive programme of training designed to develop your research skills and methodologies.

At this level, graduates can progress to careers in academia or research, while others may choose to secure senior roles in a range of industries which require advanced problem-solving skills.

**Accreditation**

Our undergraduate mathematics programmes have been awarded accreditations from the Institute of Mathematics and its Applications (IMA).

External IMA accreditation assessor Professor Charles R. Leedham-Green noted: “The courses at Lincoln are excellent. Successful students will get a high-powered and varied education.”
Mathematics students can be taught by, and work alongside, experienced and practising academics who are conducting innovative research. The University also hosts high-profile visiting speakers as part of our Great Minds lecture series. Previous speakers have included Astronomer Royal Sir Martin Rees, spacecraft engineer Bill Nye and scientist Lord Robert Winston.

One of Lincoln’s most famous sons, Sir Isaac Newton, was born at Woolsthorpe Manor, near Grantham, in 1642. The mathematician and physicist is said to have pondered the nature of gravity after witnessing an apple fall from a tree in his garden, and a graph of that tree is currently being matured here from a tree in his garden, and a graft of that tree has been planted at the University of Lincoln in 2016.

Dr Anitha Thillaisundaram
Lecturer

Dr Thillaisundaram joined the University of Lincoln in 2016 as a lecturer in Pure Mathematics. She graduated from the University of Cambridge in 2008, and obtained her PhD there in 2011. Between 2011 and 2013 she worked in postdoctoral positions in Germany, Brazil and India. Prior to joining Lincoln, Dr Thillaisundaram was an Alexander von Humboldt Stipendiat at the University of Düsseldorf in Germany. She then moved to the National Centre for Scientific Research in Strasbourg, France on a personal D. Marie Curie Fellowship. In 2013, he took up a position as a lecturer at Abilene Christian University before joining the University of Lincoln in 2015.

Dr Martin Greenall
Senior Lecturer

Dr Greenall is a senior tutor for mathematics, and obtained his PhD from the Department of Mathematics at Imperial College London. He then worked as a postdoctoral researcher at the universities of Edinburgh and Leeds and at the Jülich Research Centre in Germany. He then moved to the National Centre for Scientific Research in Strasbourg, France on a personal D. Marie Curie Fellowship. In 2013, he took up a position as a lecturer at Abilene Christian University before joining the University of Lincoln in 2015.

Research expertise in applied mathematics involves solving differential equations and computer simulations using powerful multiprocessor supercomputers. Dr Greenall has worked on both fundamental and applied research problems involving differential equations and related inequalities. He has also collaborated closely with industrial scientists and his work focuses on using modern numerical methods.

He has received a number of prizes in mathematics, including calculus, operational research, probability and dynamics. During his first year at Lincoln, Dr Greenall received a Best Mathematics Learning Award, and a University Teaching Excellence Award.

Students undertaking a degree in Mathematics are provided with the opportunity to understand how mathematics permeates all aspects of life in modern society and how it may help to shape the future.

Dr Joshua Edwards
Senior Tutor for Mathematics

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Find Out More

There are many ways for you to engage with the School of Mathematics and Physics, and the University of Lincoln. Whether you want to visit us and take a look around, join our online community or find out more information, we are here to help. Call us on +44 (0)1522 886644, email mathsphysics@lincoln.ac.uk or read on to find out other ways to get in touch.

Open Days

The University holds Open Days throughout the year, which offer a great opportunity for you and your family to explore the campus, speak to lecturers and find out more about student life at Lincoln. For more information and to book your place, please visit: www.lincoln.ac.uk/opendays

International Students

The University of Lincoln aims to provide a vibrant and dynamic atmosphere for international students who are looking to study in the UK. Please visit www.lincoln.ac.uk/international for more information.

Careers Guidance

The University Careers & Employability Team offers qualified advisers who can work with you to provide tailored, individual support and careers advice during your time at the University. This service can include one-to-one coaching, CV advice and interview preparation to help you maximise your future opportunities.

For more information on the full range of services available through the Careers & Employability Team at Lincoln, please visit www.uolcareers.co.uk

Social Media

To keep up-to-date with the latest news and information from the University, join our online communities.

facebook: lincolnmathsphys

universityoflincoln

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@unilincoln

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