



Anglia Ruskin
University

Faculty of Medical Science

MCh Orthopaedics



We're pleased you're interested in our MCh Orthopaedics course.

Our Masters course is ideal for surgeons who wish to develop their expertise at postgraduate level. It's designed to fit flexibly around your career commitments through blended learning.

We're glad that you're thinking of trusting us with your education and hope that you'll join us. If you wish to learn more about our course or proceed your application please [visit our course page](#).

If there is any information you need to help you make your decision please get in touch with our [admissions team](#): answers@anglia.ac.uk.

Alternatively, you may like to join one of our monthly web chats. To take part, or for further information please [visit our online events page](#).



Dr Ruth Jackson
Pro Vice Chancellor and Dean
Faculty of Medical Science

Why choose Anglia Ruskin?

Here at Anglia Ruskin, you can pursue your passion with confidence that you'll be gaining the expertise that'll make you stand

A modern university with a history.

Founded in 1858

we were initially known as Cambridge School of Art.

Our Cambridge campus is under an hour from London and Chelmsford is just under 30 minutes away from the capital by train.

£122 million

invested in facilities in the last five years

One of the largest universities in the east of England

35,000 students

including an international community of 177 nationalities.

12 world-leading research areas

recognised by the UK's Higher Education Funding bodies latest assessment*

Transformative research
From saving lives to conserving water, our

6 Research Institutes
are making a

Ranked in the **Top 3**

in the UK for our University Orientation for new international students*

(International Students Barometer,

Our International Support Services are recognised as amongst the best*

(International Students Barometer,

Entrepreneurial University of the Year 2014





Welcome to ARU

Here at Anglia Ruskin, you can pursue your passion with confidence that you'll be gaining the expertise that'll make you stand out. You'll become part of our vibrant culture of questioning, and researching; transforming the world around you.

Our academic excellence has been recognised by the UK's Higher Education funding bodies, with 12 areas classed as generating world-leading research. Our Research Institutes are internationally recognised centres run by Anglia Ruskin University in collaboration with business, government and third-sector organisations.

We have a clear vision for the future and research will play an even greater part in that future. We want to increase our postgraduate and professional student body as well as encourage the best of our postgraduate researchers to join our academic staff – as indeed many have done in the past. It has also been a personal delight to witness more and more overseas students choosing to study with us. Whether you aspire to further your career prospects, develop a specialist area of interest, or undertake a research project, you will benefit both personally and professionally from the highest quality teaching standards, excellent resources and an exciting and creative atmosphere.

Welcoming international students

Our International Admissions team will help make your first steps towards joining us as easy as possible. You can find specific entry requirements for your country on our website anglia.ac.uk/international/mycountry. Even before you apply for your course here you've a large support network ready to help you. You can talk to our International team about any

aspect of studying. If your country is not yet listed, we will assess your qualifications when we receive your application, but if you need advice before this, please contact us:

Email: internationaladmissions@anglia.ac.uk
Call +44 (0)1245 493131

Welcome to the Faculty of Medical Science

The Faculty of Medical Science, opened in 2014, is founded on the strong international reputation of our flagship Postgraduate Medical Institute.

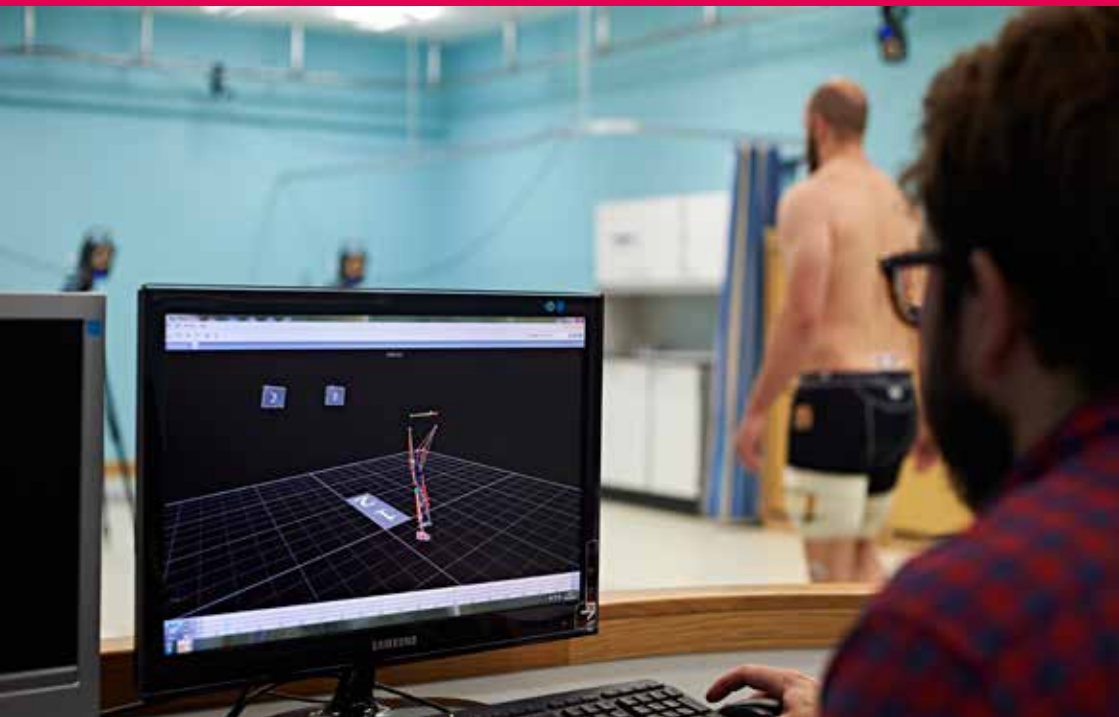
Based on our riverside campus in Chelmsford and Young Street campus in Cambridge, we deliver innovative and clinically relevant teaching and research across two departments:

- **Department of Allied and Public Health**
- **Department of Medicine and Healthcare Science**

Thanks to our close relationships with the major clinical-care providers in the east of England, there are significant opportunities for collaboration and student placements across a variety of clinical sites.

We offer exciting opportunities for research and education in the allied health professions. We also translate science and epidemiology into health education and primary care, and deliver taught Master's programmes to qualified medics. We have a flourishing community of PhD and MD(Res) students across all of our research fields.

Our advanced learning facilities include state-of-the-art clinical skills laboratories and simulation suites, which mirror real-life clinical situations. We also have a fantastic, modern library and a wide range of science labs and ICT suites.



What you'll study

This course is ideal for surgeons who wish to develop their expertise at postgraduate level. The course is designed to fit flexibly around your career commitments through blended learning.

Our MCh Orthopaedics is a theoretical course which gives you the opportunity to build up the knowledge and theory necessary to underpin your practical skills in orthopaedics. The course does not include hands-on clinical work as you will already be working in orthopaedics, but it will provide you with the in-depth theoretical knowledge to support your clinical practice. The course places strong emphasis on the rationale behind patient management and you will hone your knowledge to enable you to improve service delivery and effect change in your workplace. Our blended learning approach allows you to complete this qualification as you continue to develop your career in the workplace.

Year 1 Core modules

- Applied Clinical Sciences and Patient Management in Orthopaedics
- Research Studies

Year 2 Core modules

- Clinical Leadership and Service Development*
- Major Project

*Two modules are via face-to-face block delivery.

Year one

Applied Clinical Sciences and Patient Management in Orthopaedics

(60 credits)

Master the knowledge and skills to deliver safe, high-quality care. On this module, you'll develop your understanding of the fundamental anatomy, biomechanics and pathology of regional and spinal orthopaedic conditions. The knowledge you'll gain will support clinical decision making for effective diagnosis and management of the care pathway. Management of orthopaedic conditions may involve non-surgical and surgical options; a solid grasp of the pathogenesis and progression of pathology is essential. You'll also explore the application of clinical examination, surgical exposures, management and prevention of complications, as well as biomaterials, prosthetics and orthotics in managing orthopaedic conditions. The module is delivered face-to-face, with emphasis on research and evidence based practice. Teaching is delivered in blocks: five days in October and seven days the following February.

Research Studies

(30 credits)

Consider different types of evidence, using appropriate critical frameworks to assess their relevance to policy and practice. This distance learning module will prepare you to conduct research in your specialist area for your Major Project. You'll work with your supervisor to decide a suitable topic area.

Year two

Clinical Leadership and Service Development

(30 credits)

Senior clinicians are in a unique position to lead and develop care. Clinical governance is key here. It's the framework through which healthcare organisations are accountable for continuously improving service quality. It safeguards high care standards by creating an environment where clinical care excellence can flourish. Several factors are essential, including effective clinical leadership, staff development, implementing evidence based practice and engaging in effective audit and evaluation of services. This is against a backdrop of best practice to identify service development needs. Accountability, risk assessment and risk management are also central. Allied to this is the need for robust knowledge of leadership theory and the management of change, together with ethical and legal principles. You'll look at the role of the team, with the importance of clinical competence as a key component in the continuing professional development of orthopaedic surgeons and the staff they lead. The module is delivered face-to-face, in a five-day teaching block in October.

Major Project

(60 credits)

If you're progressing to a Masters award, you'll undertake a substantial research or work-based project in your own practice area. This brings together aspects of learning from previous modules, and uses this learning as the basis to plan, conduct and write your piece.

To successfully complete the course, students must pass 180 credits in total.

Assessment

You'll be assessed through a variety of methods including essays, reviews of literature, research proposals, a viva voce oral exam, regular exams, case studies and a research project report.

Facilities

You'll benefit from both face-to-face and Distance Learning modules, with our Virtual Learning Environment (VLE) tailored to allow you to study effectively from anywhere with an internet connection.

Special features

Our MCh Orthopaedics course has been developed by practising consultant surgeons, ensuring all elements of the course are highly relevant for your career and clinical practice development.

Associated careers

This course has been developed with a strong emphasis on leadership, allowing you to take your clinical practice to the next level. It will contribute to your continuing professional development as a surgeon and prepare you for making a move to a more senior role within an orthopaedics team.

Links with industry and professional recognition

The course continues to be developed in partnership with experienced practising consultant surgeons.

Our staff



Alan Norrish

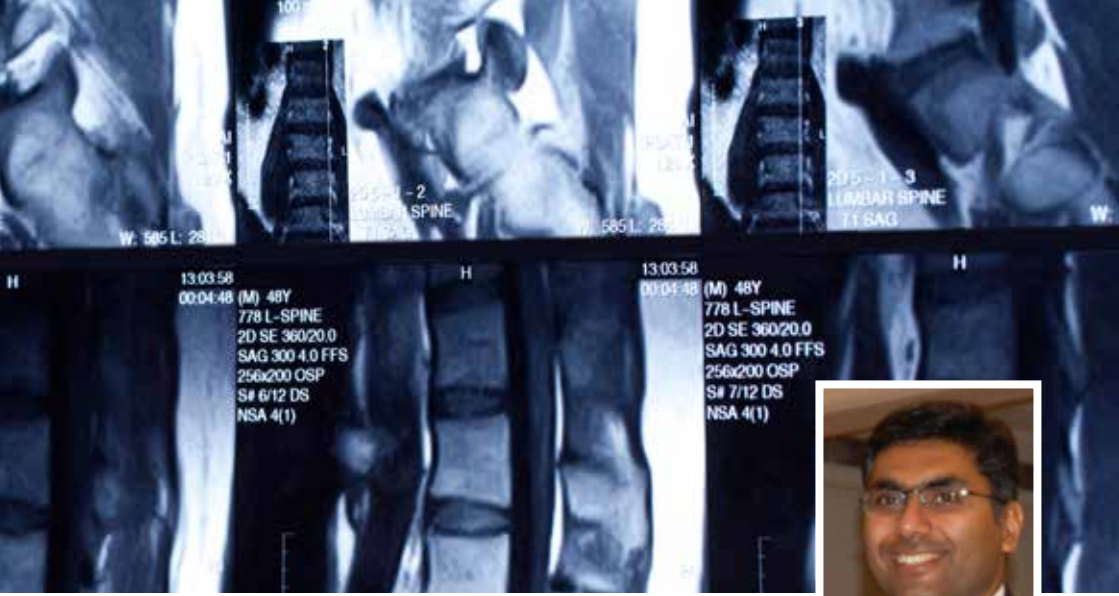
LLM, PhD, FRCS

Alan is a Consultant Trauma and Orthopaedic Surgeon at Cambridge University Hospitals NHS Foundation Trust, where he acts as the Deputy Clinical Director for the Department. He is also an Associate Lecturer in the School of Clinical Medicine of the University of Cambridge.

He has an interest in teaching and training and is a task force and faculty member for AOTrauma, an ATLS instructor and faculty on numerous courses, both nationally and internationally.

He also has an interest in Medical Ethics and the Law and has a Master of Laws (LLM) degree in legal aspects of medical practice from Cardiff University and regularly acts as an expert witness for the courts. He has a strong interest in charity work and has spent 4 years doing full-time charity work in Malawi, Zambia, the Middle East and Afghanistan. He makes regular trips to these areas to help train local surgeons and is a Director for three national and international charity organisations.

Alan Norrish has a subspecialty interest in lower limb (hip and knee) surgery. He has had subspecialty training in sports knee surgery such as ligament reconstruction and meniscus surgery as well as adult reconstructive surgery such as hip and knee replacement surgery. Another significant area of his practice is in limb reconstruction after trauma or deformity and also the management of orthopaedic infections. He has significant experience in managing complex trauma and patients with multiple injuries. He continues to undertake research into these areas and to date has over 60 publications and presentations to learned bodies.



Mr Vikas Khanduja

MB BS, MA (Cantab), MRCS (G), MSc (Orth Eng), FRCS, FRCS (Tr & Orth)

Vikas Khanduja is a Consultant Orthopaedic Surgeon specialising in both the arthroplasty and sports surgery aspects of Hip and Knee surgery and has a particular interest in Arthroscopic surgery of the Hip and the Knee. He holds a full-time Consultant position in Trauma and Orthopaedic Surgery based at Addenbrooke's Cambridge University Hospitals NHS Trust. He is also the Co-founder of The London Hip Arthroscopy Centre based at the Wellington Hospital in London.

Vikas Khanduja studied medicine at Christian Medical College & Hospital, Vellore and obtained his Basic Surgical Training & Higher Surgical Training in Trauma and Orthopaedics in London. Subsequently, he undertook subspecialty training fellowships in Knee and Hip surgery with eminent surgeons in the field in London, Cambridge, Zurich and New York.

His research interests centre around Hip Preservation and Femoroacetabular Impingement and the effect of precise surgical intervention on the outcome of this condition. He has been instrumental in setting up the tertiary

referral service for Hip arthroscopy in Cambridge and Wellington Hospital, London and is also the Clinical Research Lead for Elective Orthopaedics in Cambridge.

He writes and lectures extensively and has over 100 publications and presentations and two books to date. He enjoys and is passionate about teaching and training he is also on the Faculty for many National and International courses.

He is also the Associate Editor to the Bone and Joint Journal formerly the Journal of Bone and Joint Surgery (Br) and the Open Access Journal of Sports Surgery and reviews for many scientific Orthopaedic journals.

Vikas Khanduja is the recipient of the prestigious John N Insall Knee Award by the Insall Foundation and American Knee Society in 2014, Arnett Demonstration by the Royal College of Surgeons of England in 2013, the American and British Hip Society Fellowship in 2011.

He convenes the Basic Science Course and the Cadaveric courses in Hip and Knee Arthroscopy and Arthroplasty in Cambridge annually.

Entry requirements and course fees

A recognised primary medical degree that has been approved by the General Medical Council which has been awarded by an institution listed on the Avicenna Directory for Medicine. To be included on the Avicenna directory, an institution must have a physical address in the country awarding the qualification. In addition candidates must have two years of clinical experience after 'undergraduate medical qualification' and currently be working in an orthopaedic setting. Applicants whose first language is not English and whose professional qualification was not taught and assessed in English will be required to demonstrate the University standard of English language (IELTS) at Level 6.5 (including written English academic test) prior to commencement on a course.

Our published entry requirements are a guide only and our decision will be based on your overall suitability for the course as well as whether you meet the minimum entry requirements. Other equivalent qualifications may be accepted for entry to this course, please email admissions@anglia.ac.uk for further information. We welcome applications from international and EU students, and accept a range of international qualifications.

Entry requirements are for September 2016 entry. Entry requirements for other intakes may differ.

If English is not your first language, you'll need to make sure you meet our [English language requirements](#).

UK & EU students

You won't need to pay fees until you've accepted an offer to attend, but you must pay your fees up-front, in full or in instalments.

If you're a full-time UK or EU undergraduate student you can defer your tuition fee payments by taking out a Student Loan for Tuition fees.

International students

You must pay your fees up-front, in full or in instalments. You will also be asked for a deposit or sponsorship.

We've a number of scholarships, as well as some fee discounts for early payment letter/ financial guarantee. Details will be in your offer letter.

Apply online

You can apply directly through [our course page](#), simply click the 'apply online' button and complete the application form.

Due to the limited number of places we have available at this course, please submit your application as soon as you can.

For more details and help with your finances please visit [our finance page](#).

To check the actual course fees please visit [our course page](#).

Sample timetables

Week One - On Campus

	Day 1	Day 2	Day 3	Day 4	Day 5
Morning session	Occupational Health Clearance		Upper Limb Theatre Observation	Lower Limb and Trauma Lectures	Lower Limb Theatre Observation
Afternoon session		Spine Theatre Observation	Anatomy Laboratory Dissection Session	Regional SpR Teaching Programme	Lower Limb Lectures
Evening session	Upper Limb Theatre Observation	Foot and Ankle Lectures	Paediatric Orthopaedic Lectures	Hand Lectures	Round-up of the week Advice for Exam



Week Two - On Campus

	Day 1	Day 2	Day 3	Day 4	Day 5
Morning session	<p>Introduction to the course and to ARU</p> <p>Cambridge Tour</p> <p>Fracture</p>	<p>Tour of Addenbrookes Hospital and Occupational Health</p> <p>Observing in the elective operating theatre</p>	<p>Damage control</p> <p>Orthopaedics</p> <p>Tribology and basic Biomechanics</p> <p>Understanding Gait</p>	<p>Ligament, tendon and muscle</p> <p>Genetics in orthopaedics</p> <p>Bone dysplasias</p> <p>Metabolic bone disease</p>	<p>Observing in the elective operating theatre</p> <p>Fracture fixation: implants and principles</p> <p>Principles of limb reconstruction</p>
Afternoon session	<p>Library Induction</p> <p>NHS lecture and observing in the operating theatre</p>	<p>Observing in the elective operating theatre</p> <p>Theatre design</p>	<p>GAIT LAB</p>	<p>Regional Registrar Teaching</p>	<p>Conclusions and summary</p> <p>Optional punting tour of Cambridge</p>
Evening session	<p>Finding the ideal research Project</p>	<p>Biomechanics of the knee and TKR</p> <p>Articular Cartilage and Meniscus</p> <p>Knee replacement: principles and practice</p> <p>Arthroscopic surgery of the knee principles and practice</p>	<p>Orthopaedic infection basic science</p> <p>Understanding sports trauma the basic principles</p> <p>Patient safety in the operating theatre</p> <p>Prosthetics and orthotics</p>	<p>Regional Registrar Teaching</p> <p>Course Dinner</p>	

Addenbrooke's Hospital

Addenbrooke's Hospital, founded in 1766, is an internationally known teaching hospital in the city of Cambridge with strong connections to the local universities. It is a centre of most up-to-date facilities, treatments and the best doctors. Several of the hospital's experts are leaders in their fields.

www.cuh.org.uk/addenbrookes-hospital



Study in a vibrant city





Where you'll study

As one of the largest universities in the East of England, you can certainly explore your options.

Cambridge is a unique place and a world-renowned seat of learning. Steeped in history and home to breath-taking architecture, the city offers some of the best entertainment and retail venues in the region. Cambridge has a vibrant student community and huge cultural appeal. There are many things to do and see within the city, from museums to music and film festivals and punting on the River Cam. Something for everyone. The city is close to the M11, which links to the M25 and London. It has excellent transport links both nationally and internationally and is under an hour to the capital by train.

Our Cambridge campus

Our Cambridge campus has everything you'd expect from a progressive university, with a new 200 and 400 seat lecture theatre and classroom spaces. These facilities add to a fitness centre, a medical centre, a well-stocked library, art gallery and drama theatre with regular performances. There's a range of student accommodation options both on campus and around the city centre.

Key facts

Start Date:
September

Duration:
2 years part-time

Campus:
Cambridge

Take the next step

For further information about this course, visit our Faculty's website or just get in touch.

Visit anglia.ac.uk/fms
Email answers@anglia.ac.uk
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