MCh Surgery

UCAS Code: 
Course Length: 2-3 Years Part-Time
Start Dates: September 2019, September 2020
Department: Faculty of Health and Social Care
Location: Edge Hill University<br />Wrightington Hospital

- Study a postgraduate programme for experienced, qualified doctors who are registered with the General Medical Council and eligible to work full-time in the UK or who have successfully applied for an International Training Fellowship;
- Advance your clinical practice in your specialist area of surgical clinical expertise;
- Develop a sound understanding of research and an evidenced-based approach to your clinical practice;
- Benefit from a course accredited by the Royal College of Surgeons (selected pathways only).

The MCh enables experienced, qualified doctors to develop an evidence-based approach to health care practice and to obtain a postgraduate qualification whilst enhancing their surgical clinical expertise within the NHS. Edge Hill University is an accredited Surgical Training Centre with the Royal College of Surgeons (England).

The programme has been designed in collaboration with senior surgeons and academics and is at the cutting edge of contemporary surgical evidence-based practices. It will allow you to extend your knowledge and skills to advanced levels within your specialist area of work. The clinical modules focus on practical skills in operative surgery with the use of interactive teaching aids and practical workshops.

You can choose from a range of specialist pathways (NHS vacancies dependent) or pursue a generic MCh Surgery pathway which offers the potential to develop expertise in an alternative relevant sub-speciality.

- MCh Cardiothoracic Surgery+
- MCh Colorectal Surgery*
- MCh Emergency and Trauma*
- MCh Minimal Access Surgery*
- MCh Obstetrics and Gynaecology (Fertility)+
- MCh Obstetrics and Gynaecology (Gynaecology)+
- MCh Obstetrics and Gynaecology (Urogynaecology)+
- MCh Oncoplastic and Reconstructive Breast Surgery+
- MCh Ophthalmology (Cataract and Refractive Surgery)+
- MCh Ophthalmology (Medical Retina)+
- MCh Orthopaedics (Foot and Ankle)*
- MCh Orthopaedics (Hand and Wrist Surgery)*
- MCh Orthopaedics (Hip and Knee)*
- MCh Orthopaedics (Spine)*
- MCh Orthopaedics (Upper Limb Surgery)*
- MCh Otorhinolaryngology*
- MCh Paediatric Orthopaedics*
- MCh Rhinology*
- MCh Rhinology and Facial Plastic Surgery*
- MCh Surgery*
- MCh Surgical Gastroenterology
- MCh Surgical Oncology*
- MCh Trauma and Orthopaedics*
- MCh Urology+

*Pathways currently accredited by the Royal College of
Surgeons (England).
+Subject to validation.

Whichever pathway you choose, the programme will be delivered in partnership with Wrightington, Wigan and Leigh NHS Foundation Trust. Wrightington Hospital is recognised as a Centre of Excellence (Orthopaedic Surgery) and has clinical facilities / laboratories that will provide you with excellent learning opportunities.
What will I study?
This programme consists of three distinct 20 credit clinical modules, two 30 credit clinical research modules and a 60 credit dissertation. Topics covered will include:

- Specialist aspects of evidence based practice in surgery - the application of advanced knowledge of physiology, pathology, microbiology and imaging. The aim is to enable you to acquire an advanced understanding of the process of service innovation in the relevant subject area;
- Qualitative and quantitative research methods;
- Critiquing research findings;
- Writing a research proposal;
- Analysis of quantitative data;
- Systematic reviews;
- Research governance and ethics;
- Focus on a significant piece of investigative enquiry from conceptualisation through to completion.

How will I study?
The programme is delivered over two to three years, commencing in September each year. The academic year runs from September through to July, though the dissertation submission will be in September of the second year, with the option to defer the dissertation to the third year. You will experience a variety of teaching and learning strategies including lectures, seminars, individual and group tutorials and independent guided study.

An online Virtual Learning Environment (VLE) is used for some components of the programme. The surgical modules have elements of practice-based learning and involve the completion of a log of practical experience which complements the course material. The dissertation allows you to focus on a significant piece of investigative enquiry from conceptualisation through to completion.

How will I be assessed?
Assessment methods include a research proposal, written assignments, completion of online activities and discussions, Objective Structured Clinical Examinations (OSCEs), clinical log books, poster presentations, clinical audit, seminar presentations and a dissertation.

Who will be teaching me?
The programme team consists of experienced academic staff from across Edge Hill University and expert clinicians from Wrightington Hospital and other specialist hospital trusts. This collaborative approach provides a team of high calibre individuals to support your learning. Additionally, leading surgeons from related specialities are invited as guest speakers on the surgical modules. Edge Hill University enjoys an excellent reputation for the teaching quality of its programmes. All staff involved in the delivery of modules and pathways within this programme are currently involved in scholarly and research related activities which are congruent with their teaching responsibilities.
HEA4065: Clinical Research Part 1: Critical Appraisal (30 credits)
Clinical Research Part 1: Critical Appraisal introduces you to the research process through the recognition of the fundamental stages of research design. Based on the principles of ‘Good Clinical Practice’ and wider health and wellbeing research, you will focus on appraisal of the research question, design, methods, ethical issues, and data management and analysis strategies. In addition, you will be introduced to the principles of critical appraisal and modes of critical analysis in order that knowledge, regarding research design, can be applied to develop appropriate critical appraisal skills.

HEA4066: Clinical Research Part 2: Developing a Research Proposal (30 credits)
Clinical Research Part 2: Developing a Research Proposal introduces you to the research process including philosophical fundamentals of both quantitative and qualitative traditions and a range of research methodologies. The module will guide you through the crucial stages of developing a research proposal. From conceptualisation of the research question, choosing the most appropriate design, planning methods, addressing ethical issues, identifying data management and data analysis strategies, and planning dissemination, the module will introduce you to various clinical and practitioner research approaches and the necessary considerations to enable a rigorous plan of enquiry.

HEA4067: Evidence Based Clinical Practice (20 credits)
Evidence Based Clinical Practice will enable you to work closely with both clinical and academic supervisors to identify appropriate outcomes for the development of evidence-based knowledge and skills in a specialised area of clinical practice. You will also develop a learning contract detailing how this learning will be achieved and assessed.

HEA4081: Dissertation for Health and Social Care Professionals (60 credits)
Dissertation for Health and Social Care Professionals enables you to focus upon a significant piece of investigative enquiry from conceptisation through to completion. Within this module, ‘research’ is interpreted as including empirical research involving qualitative and/or quantitative methods, service evaluation, clinical audit, systematic review or a negotiated investigative enquiry unique to your own field of specialism, for example historical/archival research. The subject chosen will reflect (and be directly relevant to) an identifiable area of the programme’s curriculum content and will be negotiated and agreed with the course team.

HEA4194: Biomedical Sciences (20 credits)
Biomedical Sciences focuses on the application of current knowledge of applied physiology and pathophysiology and its relevance to health and disease and contemporary medicine. You will develop a detailed knowledge of applied anatomy and applied specialist physiology, critically evaluate advances in the application of biomedical science to the diagnosis and management of common medical conditions, and critically appraise evidence in best practice on medical interventions and the management of medical conditions.

You will study the following additional module on the generic MCh Surgery pathway. We will discuss the options for the subspeciality that will form the focus of this module with you at interview.

HEA4034: Negotiated Learning Shell (20 credits)
Negotiated Learning Shell provides an opportunity for you to study a topic or work related issue at Masters level. It involves you identifying the chosen area for study before developing and negotiating a learning contract, which will outline the what, how, when, where and why of the study period as well as the means of assessment to showcase the acquired learning.
You will study the following additional module on the Cardiothoracic Surgery pathway:

**HEA4223: Evidence Based Practice in Cardiothoracic Surgery** (20 credits)
Evidence Based Practice in Cardiothoracic Surgery focuses on the application of advanced knowledge of physiology, pathology, pharmacology, microbiology and imaging to cardiothoracic practice. The module enables you to acquire an advanced understanding of the process of service innovation in cardiothoracic surgery.

You will study the following additional module on the Colorectal Surgery pathway:

**HEA4185: Evidence Based Practice in Colorectal Surgery** (20 credits)
Evidence Based Practice in Colorectal Surgery focuses on the application of advanced knowledge of physiology, pathology, microbiology and imaging related to colorectal surgery. The module enables you to acquire an advanced understanding of the process of service innovation in colorectal surgery.

You will study the following additional module on the Emergency and Trauma pathway:

**HEA4155: Evidence Based Practice in Emergency and Trauma Surgery** (20 credits)
Evidence Based Practice in Emergency and Trauma Surgery focuses on the application of advanced knowledge of physiology, pathology, pharmacology, hematology, microbiology and imaging to emergency and trauma surgery. The module links the application of this evidence base to an advanced understanding of the process of service innovation in emergency and trauma surgery.

You will study the following additional module on the Minimal Access Surgery pathway:

**HEA4125: Evidence Based Practice in Minimal Access Surgery** (20 credits)
Evidence Based Practice in Minimal Access Surgery focuses on the application of advanced knowledge of physiology, pathology, microbiology and imaging to clinical minimal access surgery. The module enables you to acquire an advanced understanding of the process of service innovation in minimal access surgery.

You will study the following additional module on the Oncoplastic and Reconstructive Breast Surgery pathway:

**HEA4222: Evidence Based Practice in Oncoplastic and Reconstructive Breast Surgery** (20 credits)
Evidence Based Practice in Oncoplastic and Reconstructive Breast Surgery focuses on the application of advanced knowledge of physiology, pathology, pharmacology and imaging to reconstructive breast procedures. The module enables you to acquire an advanced understanding of the process of service innovation in reconstructive breast surgery.

You will study the following additional module on the Obstetrics and Gynaecology (Fertility) pathway:

**HEA4225: Evidence Based Practice in Obstetrics and Gynaecology (Fertility)** (20 credits)
Evidence Based Practice in Obstetrics and Gynaecology (Fertility) focuses on the application of advanced knowledge of physiology, pathology, pharmacology and imaging specific to infertility patients. The module enables you to acquire an advanced understanding of the process of service innovation in fertility interventions.

You will study the following additional module on the Obstetrics and Gynaecology (Gynaecology) pathway:

HEA4225: Evidence Based Practice in Obstetrics and Gynaecology (Fertility) (20 credits)
Evidence Based Practice in Obstetrics and Gynaecology (Fertility) focuses on the application of advanced knowledge of physiology, pathology, pharmacology and imaging specific to infertility patients. The module enables you to acquire an advanced understanding of the process of service innovation in fertility interventions.
HEA4226: Evidence Based Practice in Obstetrics and Gynaecology (Gynaecology) (20 credits)
Evidence Based Practice in Obstetrics and Gynaecology (Gynaecology) focuses on the application of advanced knowledge of physiology, pathology, pharmacology and imaging specific to infertility patients. The module enables you to acquire an advanced understanding of the process of service innovation in fertility interventions.

You will study the following additional module on the Obstetrics and Gynaecology (Urogynaecology) pathway:

HEA4224: Evidence Based Practice in Obstetrics and Gynaecology (Urogynaecology) (20 credits)
Evidence Based Practice in Obstetrics and Gynaecology (Urogynaecology) focuses on the application of advanced knowledge of physiology, pathology, pharmacology and imaging specific to urogynaecology patients. The module enables you to acquire an advanced understanding of the process of service innovation in gynaecological surgery.

You will study the following additional modules on the Obstetrics and Gynaecology (Urogynaecology) pathway:

HEA4228: Evidence Based Practice in Ophthalmology (Cataract and Refractive Surgery) (20 credits)
Evidence Based Practice in Ophthalmology (Cataract and Refractive Surgery) focuses on the application of advanced knowledge of anatomy and physiology, pathology, pharmacology and imaging specific to ophthalmic patients. The module enables you to acquire an advanced understanding of the process of service innovation in ophthalmology interventions.

You will study the following additional module on the Ophthalmology (Medical Retina) pathway:

HEA4227: Evidence Based Practice in Ophthalmology (Medical Retina) (20 credits)
Evidence Based Practice in Ophthalmology (Medical Retina) focuses on the application of advanced knowledge of physiology, pathology, microbiology and imaging to clinical orthopaedics (hand & wrist) surgery. The module enables you to acquire an advanced understanding of the process of service innovation in orthopaedics (hand & wrist) surgery.

You will study the following additional module on the Orthopaedics (Foot and Ankle) pathway:

HEA4144: Evidence Based Practice Orthopaedics (Foot and Ankle) (20 credits)
Evidence Based Practice Orthopaedics (Foot and Ankle) focuses on the application of advanced knowledge of physiology, pathology, microbiology and imaging to clinical foot and ankle orthopaedic surgery. The module enables you to acquire an advanced understanding of the process of service innovation in foot and ankle orthopaedic surgery.

You will study the following additional module on the Orthopaedics (Hand and Wrist Surgery) pathway:

HEA4141: Evidence Based Practice Orthopaedics (Hand and Wrist Surgery) (20 credits)
Evidence Based Practice Orthopaedics (Hand and Wrist Surgery) focuses on the application of advanced knowledge of physiology, pathology, microbiology and imaging to clinical orthopaedics (hand & wrist) surgery. The module enables you to acquire an advanced understanding of the process of service innovation in Orthopaedics (hand & wrist) surgery.

You will study the following additional modules on the Orthopaedics (Hip and Knee) pathway:

HEA4143: Evidence Based Practice Orthopaedics (Hip and Knee) (20 credits)
Evidence Based Practice Orthopaedics (Hip and Knee) focuses on the application of advanced knowledge of physiology, pathology, microbiology and imaging to clinical hip and knee orthopaedic surgery. The module enables you
to acquire an advanced understanding of the process of service innovation in hip and knee orthopaedic surgery.

You will study the following additional module on the Orthopaedics (Spine) pathway:

**HEA4142: Evidence Based Practice Orthopaedics (Spine) (20 credits)**

Evidence Based Practice Orthopaedics (Spine) focuses on the application of advanced knowledge of physiology, pathology, microbiology and imaging to clinical spinal orthopaedic surgery. The module enables you to acquire an advanced understanding of the process of service innovation in spinal orthopaedic surgery.

You will study the following additional module on the Orthopaedics (Upper Limb Surgery) pathway:

**HEA4140: Evidence Based Practice Orthopaedics (Upper Limb Surgery) (20 credits)**

Evidence Based Practice Orthopaedics (Upper Limb Surgery) focuses on the application of advanced knowledge of physiology, pathology, microbiology and imaging to clinical orthopaedics (upper limb) surgery. The module enables you to acquire an advanced understanding of the process of service innovation in orthopaedics (upper limb) surgery.

You will study the following additional module on the Otorhinolaryngology pathway:

**HEA4068: Evidence Based Practice in Otorhinolaryngology - Head and Neck Surgery (20 credits)**

Evidence Based Practice in Otorhinolaryngology - Head and Neck Surgery focuses on the application of advanced knowledge of physiology, pathology, microbiology and imaging to clinical otorhinolaryngology. The module enables you to acquire an advanced understanding of the process of service innovation in otorhinolaryngology.

You will study the following additional module on the Paediatric Orthopaedics pathway:

**HEA4124: Evidence Based Practice in Paediatric Orthopaedics (20 credits)**

Evidence Based Practice in Paediatric Orthopaedics focuses on the application of advanced knowledge of physiology, pathology, microbiology and imaging to clinical paediatric orthopaedics. The module enables you to acquire an advanced understanding of the process of service innovation in paediatric orthopaedics.

You will study the following additional module on the Rhinology pathway:

**HEA4070: Evidence Based Practice in Rhinology (20 credits)**

Evidence Based Practice in Rhinology covers all aspects of nasal and sinus disease including allergy, infection, inflammatory conditions, rhinitis and tumours. The module also involves treating diseases close to the nose, such as prominent eyes in thyroid disease and watery eyes caused by blocked tear ducts, in addition to excision of tumours (benign and malignant) in this area. Much of the surgery is, nowadays, performed via the endoscopic approach (key hole surgery). This module will focus on the current advances in management of nasal and sinus conditions, including study of the patho-physiologic basis of sino-nasal disorders. The module also covers the facial plastic surgery of the nose.

You will study the following additional module on the Rhinology and Facial Plastic Surgery pathway:

**HEA4186: Evidence Based Practice in Rhinology and Facial Plastic Surgery (20 credits)**

Evidence Based Practice in Rhinology and Facial Plastic Surgery focuses on the application of advanced knowledge of physiology, pathology, patient assessment and management in the field of rhinology and facial plastic surgery. You will also study the surgical principles of rhinology and facial plastic surgery and gain an in-depth understanding of service
innovation in this area.

You will study the following additional module on the Surgical Gastroenterology pathway:

HEA4229: Evidence Based Practice in Surgical Gastroenterology (20 credits)
Evidence Based Practice in Surgical Gastroenterology focuses on the advanced knowledge of physiology, pathology, pharmacology, microbiology and imaging to surgical gastroenterology procedures. The module enables you to acquire an advanced understanding of the process of service innovation in the management of surgical gastrointestinal interventions.

You will study the following additional module on the Surgical Oncology pathway:

HEA4151: Evidence Based Practice in Surgical Oncology (20 credits)
Evidence Based Practice in Surgical Oncology focuses on the application of advanced knowledge of physiology, pathology, microbiology and imaging to clinical surgical oncology. The module enables you to acquire an advanced understanding of the process of service innovation in surgical oncology.

You will study the following additional module on the Trauma and Orthopaedics pathway:

HEA4069: Evidence Based Practice in Trauma and Orthopaedics (20 credits)
Evidence Based Practice in Trauma and Orthopaedics focuses on the application of advanced knowledge of physiology, pathology, microbiology and imaging to clinical trauma and orthopaedics. The module enables you to acquire an advanced understanding of the process of service innovation in trauma and orthopaedics.

You will study the following additional module on the Urology pathway:

HEA4250: Evidence Based Practice in Urology (20 credits)
Evidence Based Practice in Urology focuses on the application of contemporary research-informed, evidence-based knowledge of urology. The module enables you to acquire an advanced understanding of essential anatomical and physiological concepts in caring for people who have urological problems.

Timetables

You can expect to receive your timetable at enrolment. Please note that while we make every effort to ensure that timetables are as student-friendly as possible, scheduled teaching can take place on any day or evening of the week.

Disclaimer

Every effort has been made to ensure the accuracy of our published course information, however our programmes are subject to ongoing review and development. Changing circumstances may necessitate alteration to, or the cancellation of, courses.

Changes may be necessary to comply with the requirements of accrediting bodies, revisions to subject benchmarks statements, to keep courses updated and contemporary, or as a result of student feedback. We reserve the right to make variations if we consider such action to be necessary or in the best interests of students.
Entry Criteria

Entry Requirements

In addition to having a medical degree, you will also need to be registered with the General Medical Council to work in the UK or alternatively have successfully applied for an International Training Fellowship. You must have demonstrable clinical expertise and some experience in surgery.

For further information regarding eligibility for International Training Fellowships, please email mchcourse@wwl.nhs.uk.
What are my career prospects?

Medical professionals need to continually seek ways to improve their career prospects in an increasingly competitive job market where a postgraduate qualification is often now deemed essential.

The MCh provides a highly relevant qualification for doctors working in a specialist area of surgical practice which will add to your portfolio of qualifications and provide you with opportunities for professional development supported by expert clinicians and academics.
Finance

Tuition Fees

If you are joining the MCh in academic years 2019/20 or 2020/21 and are already registered with the General Medical Council, you can expect your tuition fees to be £16,000 for the entire programme, subject to meeting the programme’s UK residency criteria and completing the course within three years.

Alternatively, if you are appointed as an International Training Fellow (and sponsored via this programme to register with the General Medical Council), you can expect the tuition fee to be £35,000 for the entire course, subject to completing the programme within three years.

Financial Support

For comprehensive information about the financial support available to eligible UK and EU students joining postgraduate courses at Edge Hill University in academic year 2019/20, together with details of how to apply for potential funding, please view our Money Matters 2019/20 guide at www.edgehill.ac.uk/postgradfinance2019.

Financial support arrangements for eligible UK and EU students joining postgraduate courses in academic year 2020/21 are still to be announced. You are advised to check this page regularly and once the position has been confirmed we will update this information.

Financial support information for international students can be found at www.edgehill.ac.uk/international/fees.
How to Apply

If you wish to apply for this programme, please email your CV to Julia Berry at Julia.Berry@wwl.nhs.uk in the first instance.

Should you accept an offer of a place to study with us and formally enrol as a student, you will be subject to the provisions of the regulations, rules, codes, conditions and policies which apply to our students. These are available at www.edgehill.ac.uk/studentterms.

Get in Touch

If you have any questions about this programme, please contact:

• Julia Berry, MCh Course Administrator
  • Tel: 01257 256408
  • Email: mchcourse@wwl.nhs.uk

If you would like to talk to the programme leader about the course in more detail, please contact:

• Dave Lynes, Programme Leader
  • Tel: 01695 657067
  • Email: mch@edgehill.ac.uk