



MSc Emergency Medical Science (Immediate Care) Major Code: X425

Professional Diploma EMS (Immediate Care) Major Code: X880

SEPTEMBER 2021

MSc EMS (IC) | Prof Dip EMS (IC)

- A child starts to seize in the waiting room...
- During an out-of-hours house call, a man in his 60s has a cardiac arrest...
- On your drive to work, a cyclist is knocked down and has a serious head injury...
- You are taking on voluntary sports or emergency care work within your community...
- Your post routinely involves urgent care or sometimes emergency care...

The MScEMS (IC) will prepare and support colleagues to provide pre-hospital care in these and other emergencies. Alongside these clinical challenges, we face systems issues such as organisation, teamwork, the evidence behind our care and the pace of rapid change in the nature of this care – all issues tackled by the programme.

COURSE OVERVIEW

Develops knowledge and skills in Immediate Care with an emphasis on the assessment, diagnosis and management of both trauma and medical emergencies in adult and paediatric patients.

Multidisciplinary student groups.

Delivered over two years, this course uses a variety of learning strategies in recognition of the time constraints associated with full-time clinical practice.

WHO SHOULD TAKE THIS COURSE?

Applications are invited from registered medical practitioners and other registered healthcare providers whose role involves pre-hospital emergency care.

Year 1

- Fortnightly one day sessions (2-7pm)
- Two weekend teaching blocks per semester

Year 2

- Experiential learning
- Supervised Minor Thesis

Candidates may avail of the exit award of Prof Dip EMS (Immediate Care) on completion of Semester 1

Module 1: Prehospital Emergency Care

Module 2: EMS Therapeutics

PROGRAMME FEATURES

- Explore the evidence base for current care strategies, a range of models of care and key professional influences on delivery of care
- The full range of drug treatments and other therapies currently used in pre-hospital emergency care
- Innovation and emerging roles and responsibilities
- Management principles of major incidents, mass gatherings, sports related care and special circumstances
- Critical appraisal and familiarity with common research methods
- Primary research in EMS (Minor Thesis) in year 2

UCD CENTRE FOR EMERGENCY MEDICAL SCIENCE

A national centre of excellence for research, development and training in pre-hospital emergency care.
Further information at <http://www.ucd.ie/centreems>

COURSE DIRECTOR

Professor Gerard Bury
Director, UCD Centre for EMS

FURTHER INFORMATION

Ms. Eileen Bradish
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APPLY FOR THIS COURSE

www.ucd.ie/apply



MSc EMS (IMMEDIATE CARE)

- September 2021 -

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The MScEMS (IC) will prepare and support colleagues to provide pre-hospital care in these and other emergencies. Alongside these clinical challenges, we face systems issues such as organisation, teamwork, the evidence behind our care and the pace of rapid change in the nature of this care – all issues tackled by the programme.

COURSE OVERVIEW

The two-year programme blends academic, practical and experiential components and is structured to meet the needs of providers within the Irish health system. We use a range of teaching and learning approaches including lectures, skills teaching, scenarios and portfolio systems. Just as importantly, we build on the experience of those taking and delivering the programme to address the challenges and opportunities in this key area of care in the community.

This inter-disciplinary, innovative programme is designed to enhance the skillsets of health care professionals/registered practitioners who are regularly involved in pre-hospital emergency care. Candidates will develop their knowledge and skills in Immediate Care with an emphasis on the assessment, diagnosis and management of trauma and medical emergencies in adult and paediatric patients. Systems issues and the evidence base for EMS will contribute significantly to the programme.

PROGRAMME FEATURES

- Determinants of high-quality pre-hospital emergency care
- The full range of drug treatments and other therapies commonly used in pre-hospital emergency care
- innovation and emerging roles and responsibilities
- Critical appraisal and familiarity with common research methods
- The evidence base for current and emerging clinical
- Plan, prepare and complete a piece of primary research in EMS (Minor Thesis) in year 2
- Professional Diploma in EMS (IC) offered to students exiting the programme on completion of Semester 1 (30 credits)

CONTACT

Ms Eileen Bradish, Programme Manager, centre.ems@ucd.ie, 01 716 6641

MSc EMS (Immediate Care)-2021

Develops knowledge and skills in Immediate Care with emphasis on assessment, diagnosis and management of trauma and medical emergencies in adult and paediatric patients.

Who should take this course?

- This course is aimed at healthcare professionals whose role involves pre-hospital emergency care
- All participants will build on and contribute their existing clinical expertise and experience to the development of an effective inter-professional approach to patient care

How is the course structured?

- Flexible programme delivery to facilitate working professionals
- Delivered over two academic years, this course uses a variety of learning strategies in recognition of the time constraints associated with full-time clinical practice.
 - Year 1 will include fortnightly one day sessions (2pm-7pm) and a number of weekend teaching blocks
 - Year 2 will comprise a mix of experiential learning and a supervised Minor Thesis

Year 1	Semester 1: Autumn*	Module 1: Prehospital Emergency Care – IC	15 credits
		Module 2: EMS Therapeutics - IC	15 credits
Year 1	Semester 2: Spring	Module 3: Cardiac & Trauma Care- IC	15 credits
Year 2	Semester 1: Autumn	Clinical Placement – IC	15 credits
Year 2	Semester 2: Spring	Minor Thesis	30 credits
Total ECTS Credits			90 credits

*Professional Diploma in EMS (IC) offered to students exiting the programme on completion of Semester 1 (30 credits)

- Extensive library facilities on-campus and on-line virtual learning environment
- Benefit from a teaching faculty of national and international experts

Year 1 Attendance *

Year 1, Semester One:

Approximately seven Thursdays 2pm-7pm, and two Saturdays 10am-3pm

Year 1, Semester Two:

Approximately seven Thursdays 2pm-7pm, and two Saturdays 10am-3pm

***Dates are subject to confirmation**

LEARNING OUTCOMES

Knowledge

- Core therapeutics and pharmacology for advanced pre-hospital care
- Basic and advanced emergency care in illness and injury in adults and children
- Knowledge of the healthcare system and the factors affecting interfaces between services
- Major incident management
- Standard setting and performance standards
- Core research methods
- Introduction to Transfer & Retrieval medicine; major incidents; mass gatherings; sports medicine

Applying Knowledge

- Integrating clinical assessments with available treatment options to select the appropriate care strategy
- Collecting accurate data for continuous personal and service audit purposes
- Competence in all relevant skill sets
- Completion of a research dissertation (MSc group)

Judgements

- Clinical assessment of patients of all ages and backgrounds in urgent care settings
- Initial decision making on every problem presented
- Selection of appropriate pharmacologic, interventional and other care strategies relevant to Advanced Paramedic practice
- Recognising personal and professional limits

Communication Skills

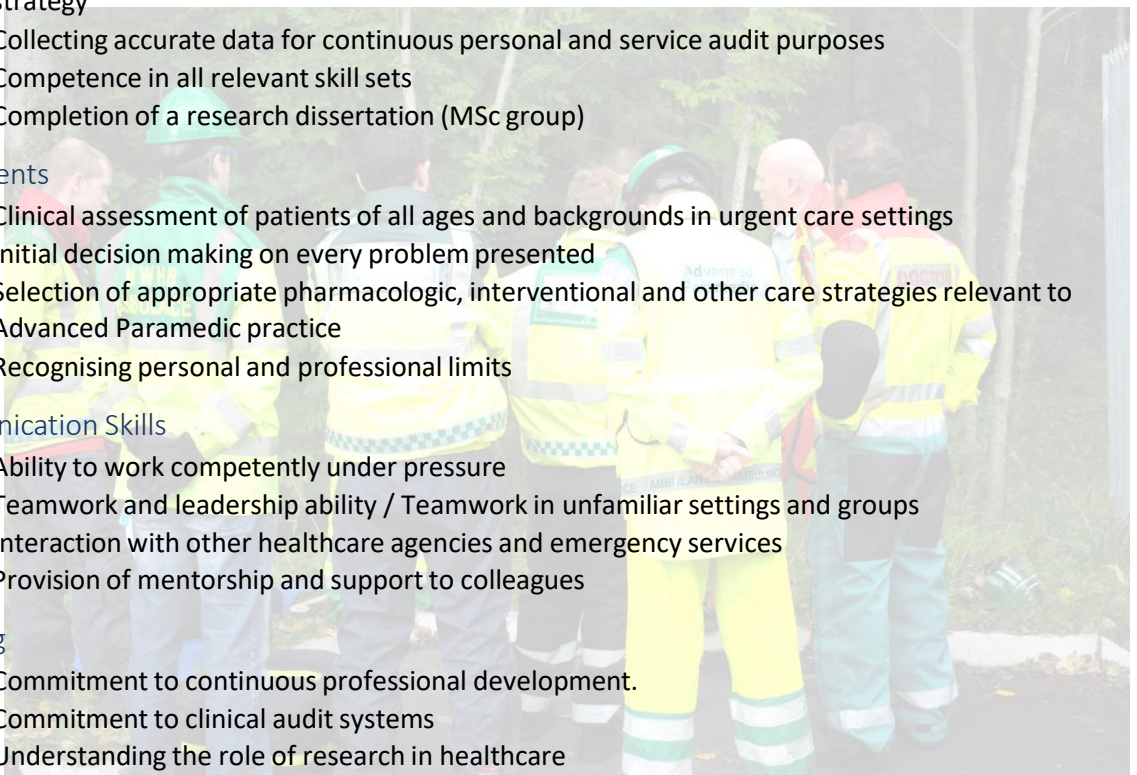
- Ability to work competently under pressure
- Teamwork and leadership ability / Teamwork in unfamiliar settings and groups
- Interaction with other healthcare agencies and emergency services
- Provision of mentorship and support to colleagues

Learning

- Commitment to continuous professional development.
- Commitment to clinical audit systems
- Understanding the role of research in healthcare
- Integrating new science and healthcare developments to the field
- Clinical supervision of colleagues in certain circumstances

Assessment

- Continuous and end of Module assessments will involve MCQ, short answer, OSCE and Project components
- In year 2, assessment will include supervised clinical practice and submission of a minor thesis by primary research



WHO IS ELIGIBLE TO TAKE THIS COURSE?

- Applications are invited from registered medical practitioners and other registered healthcare providers whose role involves pre-hospital emergency care.
- After initial assessment of your application, you may be invited to attend for interview in person or via an online interview platform
- International applicants should contact the Academic Director for information regarding availability and eligibility
- International applicants must have an average IELTS score of 6.5 over all components and a minimum of 6.0 in each band (Academic Version)



Fees

Please check the UCD Fees website for full fees information: <http://www.ucd.ie/students/fees/>

Apply

Applications are processed via www.ucd.ie/apply

CONTACT US

Programme Manager:

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UCD School of Medicine & Medical Science, Health Sciences Centre
University College Dublin, Dublin 4

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