

# Welcome to Paramedic Science BSc (Hons)

The Paramedic team wishes to welcome students embarking on the BSc (Hons) Paramedic Science programme, within the Faculty of Health & Society, The University of Northampton.

The programme is designed in a systematic manner using a modular approach which enables it to be flexible enough to respond to the needs of the Health Service.

Throughout the programme there will be a commitment to the integration of research, evidence based health care, and clinical skills development as well as the consideration of the individual's personal experience of health and illness in society. Action learning, through Enquiry Based Learning and reflectivity underpins the theory and practice throughout the programme.

The programme requires individuals to learn through a variety of techniques and procedures. As the modules are professionally orientated they include significant components of work-based learning or clinical practice. The learning which is developed in this process is an integral part of the assessment package and contributes to the credit awarded for the programme.

## Your Journey

The Fundamentals of Emergency Care module provides an initial underpinning of the key concepts and practice in emergency care. You will develop clinical assessment and intervention skills using a range of equipment and technologies, within the Professional Studies module issues such as ethics, law and communication that relate to practice are explored.

The Paramedic Practice module provides the essential practice experiences that you require in terms of the HCPC Standards of Proficiency. A zero credit rated driving module is also undertaken in year 1, this allows you to meet the national competencies for driving emergency ambulance service vehicles. The final module for year one is Biosciences 1. This module develops a basis for practice in enabling you to understand the applied anatomy, physiology and pharmacology as it relates to emergency care.

In year 2, the Bioscience 2 module offers a progression from the stage one modules and introduces the further and more detailed aspects of pathophysiological and pharmacological processes that affect the body in a variety of situations and care settings. This provides a firm underpinning for the development of the other modules at this stage.

The application of the content of the Paramedic Clinical Care module draws together other module content and assists the development of clinical decision making skills as well as the ability to formulate. Again, the Paramedic Practice module for year 2 provides the essential practice experiences that is required in terms of the HCPC Standards of Proficiency.

The Research Methods module allows you to develop an analytical and contemporary knowledge of research appropriate to health and social care practice and prepares for the year 3 research project module.

In year 3, the final year of the programme, the modules both consolidate the learning undertaken in year 1 and 2 and prepare you for future practice as a registrant. The Enhanced Clinical Care module enables the integration of your knowledge and understanding of clinical assessment, pathophysiology and pharmacology and apply these principles into contemporary practice, which in turn enables you to undertake appropriate clinical management and disposition plans. It also takes account of alternate care provision through care pathways. The Transition to Professional Practice module allows you to demonstrate the integration of a range of professional themes required of a registrant in practice and develop self-awareness in managing out-of hospital clinical situations in relation to leadership and human factors.

The practice module is the final practice module and as in the first 2 years allows you to develop and consolidate the competencies required by the HCPC.

Finally, the Research Project/Dissertation builds on the level 5 Research Methods module; you will undertake an independent, critical, analytical, in depth study of data and the research base for practice on a selected topic. The submission must be relevant to your professional discipline in order to identify implications for practice.

Given the commitment required, the range of topics and themes the programme team considered the value of providing an advanced reading list.

The outcome of this consideration was that you should enjoy the time you have before the programme starts and we will start each new topic from the standpoint it is entirely new to you. We will discuss books and equipment when you arrive as both of these can lead to a considerable expense with limited utility.

All of your essential reading will be available from the University's Library either as hard copy or online, which means that all your essential course reading materials are available for free when you start with us.