

Course curriculum

Year 1

1. Emergency Medical Care I Theory
2. Emergency Medical Care I Practical
3. EMC I - Work Integrated Learning
4. Foundations of Professional Practice
5. Mental Health and Wellness
6. Anatomy & Physiology I
7. Physics
8. Chemistry
9. IsiXhosa for Beginners or Practical English
10. Computer Literacy
11. Physical Preparedness I

Year 2

1. Emergency Medical Care II Theory
2. Emergency Medical Care II Practical
3. EMC II - Work Integrated Learning
4. Anatomy & Physiology II
5. Pharmacology Special I
6. General Pathology
7. Diagnostics
8. Fire Search & Rescue
9. Motor Vehicle Rescue
10. Industrial & Agricultural Rescue
11. High Angle Rescue I
12. Physical Preparedness II

Year 3

1. Emergency Medical Care III Theory
2. Emergency Medical Care III Practical
3. EMC III – Work Integrated Learning
4. Primary Health Care
5. Pharmacology Special II
6. High Angle Rescue II
7. Wilderness Search & Rescue
8. Aviation Rescue
9. Aquatic Rescue
10. Research methodology for Health Sciences
11. Physical Preparedness III

Year 4

1. Emergency Medical Care IV: Specialised Intensive Care (theory)
2. Emergency Medical Care IV: Paediatrics and Neonatology (theory)
3. EMC IV – Work Integrated Learning
4. Practical Educational Strategies
5. Health Science Research Project
6. Emergency Services Management
7. Disaster Management
8. Confined Space Rescue
9. Trench Rescue
10. Structural Collapse Rescue
11. Hazardous Materials Rescue
12. Physical preparedness IV

Change the World

NELSON MANDELA
UNIVERSITY

Enquiries

T: 041 504 3947
E: info.emc@mandela.ac.za
W: emc.mandela.ac.za



mandela.ac.za



Faculty of Health Sciences

Emergency Medical Care



The Department of Emergency Medical Care (EMC) at Nelson Mandela University aims to develop eager individuals through the facilitation of a strenuous learning experience, based on international best practice guidelines. Graduates will become highly skilled, knowledgeable and independent paramedics registered with the Health Professions Council of South Africa (HPCSA) as an Emergency Care Practitioner - the highest register for paramedics.

The EMC programme aims to meet the needs of South Africa, by producing well balanced practitioners with a thorough understanding of rescue principles and advanced patient care amidst the most diverse and adverse conditions.

What do paramedics do?

Do you want to?

- Save lives
- Treat people who experience a medical emergency
- Help people who need to be rescued
- Assist with inter-hospital transfers of critical patients
- Act as leaders in the pre-hospital emergency environment
- Educate communities on measures to prevent injuries and to act correctly in case of an emergency

What you need

As a student and future paramedic you will need the following:

- Strong leadership traits
- Be physically fit and strong with swimming proficiency
- Confidence in decision making skills a patient and caring attitude
- Take responsibility for the wellbeing of your patient
- Trustworthiness
- Dedication to work in adverse conditions
- Be culturally sensitive
- Your own transport to reach practical areas
- The prescribed programme uniform and equipment

Admission requirements

National Senior Certificate

- Minimum statutory NSC requirements for degree entry must be met
- An applicant with NSC Grade 12 Mathematics requires a minimum Applicant Score of 370.
- An applicant with NSC Grade 12 Mathematical Literacy requires a minimum Applicant Score of 385.
- NSC achievement rating of at least 50% for Mathematics or 65% for Mathematical Literacy.
- NSC achievement rating of at least 50% for Physical Sciences
- NSC achievement rating of at least 60% for Life Sciences

Senior Certificate:

- Senior Certificate with matriculation endorsement
- Maths Higher Grade E symbol or Standard Grade C symbol.
- Biology Higher Grade E symbol or Standard Grade C symbol
- Physical Science Higher Grade E symbol or Standard Grade C symbol
- RPL candidates have to write the National Benchmark Test (NBT) and submit the results with their application

Selection of students

Admission is subject to a departmental selection that includes an interview, a satisfactory flight medical report and satisfactory physical assessment which includes an assessment of your basic swimming capability, fitness levels, fear of heights and claustrophobia.



The Emergency Care Programme

The Bachelors Degree in Emergency Medical Care is offered over four years full-time. Bursaries are often available by either the private or the public sector. Upon completion of the qualification, you are required to work back to your sponsor for a predetermined period. During the periods when students are not attending lectures at the university, they gain practical experience at emergency medical services or various hospital departments such as the emergency department, ICU, theater and maternity ward. A minimum of 1200 practical, supervised hours need to be accumulated over the four years of study. While on the programme, you have to be registered with the Health Professions Council of South Africa as a student. Once completed, all newly qualified paramedics are required by law to register with the HPCSA as independent Emergency Care Practitioners before starting to practice.

Career options

As a paramedic you may find employment in the following areas, whether local or international:

- Provincial or private ambulance services
- A training environment such as a college or university
- Aeromedical services
- The military
- Event management services
- The mining industry
- VIP protection
- Medical retail