



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

**Faculty of Health, Natural Resources
and Applied Sciences**

**PROGRAMME OF EMERGENCY
MEDICAL CARE**

**SELECTIONS
INFORMATION
BOOKLET
2024**



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INTRODUCTION



Thank you for your interest in the Programme of Emergency Medical Care. We offer a full-time, three-year undergraduate degree, the Bachelor of Emergency Medical Care (BOMC: NQF 7) with an option to exit after completing two years, with a Diploma in Emergency Medical Care (Dip EMC: NQF 6).

Additionally, we offer a one-year post-graduate Bachelor of Emergency Medical Care Honours (NQF 8) as a full-time course for those applicants who already completed the BOMC (NQF 7) or equivalent Emergency Medical Care or Prehospital Emergency Medical Care qualification.

This booklet provides an overview of the selection process for the BOMC degree, including selection requirements and criteria. The final selection dates, times and venue are contained in the NUST invitation letter.

We would like to wish you good luck with the selection process, and we look forward to meeting you.



NUST Graduate Attributes

- Competence/Intellectual agility
- Problem Solving and Critical Thinking
- Teamwork, Interpersonal Relation and Communication
- Technology, Entrepreneurship and Innovation
- Resilience and Self-Awareness
- Ethical Global Citizen

GENERAL PROGRAMME INFORMATION

In order to be successful in this programme, students should be willing to commit extensive volumes of effort and time towards the required studies throughout the academic years. Additionally, Work-Integrated Learning (WIL) shifts in the field are booked during the weekends and semester breaks. Candidates should also be reminded that currently this programme is only offered full-time and that the NUST General Rules and Regulations are applicable.



COURSE DELIVERY

The course will be delivered using a blended learning approach, which includes synchronous and asynchronous learning. Scheduled face-to-face teaching sessions that include both theoretical and practical sessions. NUST utilises Moodle as the eLearning platform, and MS Teams is used for remote and hybrid teaching, where applicable.

ADDITIONAL REQUIRED ITEMS & EXPENSES

In addition to the course fees, students are responsible for purchasing the following:

- The necessary academic resources, including prescribed textbooks.
- Programme-specific uniform at an additional cost above the course fees.
- Personal protective equipment and diagnostic equipment (e.g. sphygmomanometer, stethoscope, pupil torch etc.).
- An electronic device/computer, preferably a laptop or tablet, to participate in learning activities and complete assignments.

Please note, that students will have additional expenses, particularly related to WIL, practicals and/or excursions.



BACHELOR OF EMERGENCY MEDICAL CARE

UNDERGRADUATE PROGRAMME

YEAR ONE

- Principles of English Language
- Computer User Skills
- Basic Science
- English in Practice
- Information Competence
- Basic Mathematics
- Human Anatomy and Physiology
- Primary Healthcare and HIV/AIDS
- Emergency Medical Care I
- Clinical Practice I



YEAR TWO

- English for Academic Purposes
- Pathophysiology
- Medical Law and Ethics
- Medical Rescue 1A
- Medical Rescue 1 B
- Pharmacology
- Emergency Medical Care II
- Clinical Practice II

YEAR THREE

- Sustainability and Development
- Emergency Medical Service Administration
- ICU and Critical Care Transport
- Emergency Medical Care III
- Clinical Practice III



BACHELOR OF EMERGENCY MEDICAL CARE HONOURS

POSTGRADUATE PROGRAMME

The Bachelor of Emergency Medical Care Honours is a one-year, full-time programme offered for applicants who are holders of an NQF 7 degree in Emergency Medical Care, with preferably at least one year of clinical operational experience.

- Community Health Paramedicine
- Clinical Care Theory I
- Clinical Care Theory II
- Clinical Care Practice
- Disaster and Mass Incident Management
- Research Methodology
- Mini Thesis



Please refer to the NUST Faculty of Health, Natural Resources and Applied Sciences Year book: Part 5 for more information.



ADMISSION CRITERIA



Candidates may be considered for admission to this programme, if they meet the General Admission Requirements of NUST [\[G12.1 NUST General Rules and Regulations\]](#) and comply with the additional requirements below (old curriculum):

- A minimum “E” symbol in English as a Second Language at NSSC Ordinary Level or a 4 on Higher Level;
- A minimum “D” symbol in Mathematics and Biology, or Physical Science, at NSSC Ordinary Level or 4 on Higher Level.

For candidates seeking admission with NSSCO/NSSCAS results and requirements are as follows:

- Meet the General Admission Requirements of NUST [\[G12.1 NUST General Rules and Regulations\]](#).
- Minimum of 18 points in Mathematics, Biology AND either Physics OR Chemistry on NSSC Ordinary Level or Advanced Subsidiary level (NSSCO/AS), provided that no symbol must be below “B” on Ordinary Level or a “D” on Advanced Subsidiary Level.
- Candidates must further have obtained at least an “E” on Ordinary level in English.
- Candidates will also be required to go through a 3-day selection process involving a written test, medical and physical fitness tests and an interview..

Please consult the [NUST General Rules and Regulations](#) to review the NUST Admission Point Score (APS), Instem Scale and/or New General Admission Criteria.



ADDITIONAL ADMISSION REQUIREMENTS



The final selection for the Bachelor of Emergency Medical Care will take place over five days, at the NUST Health and Applied Sciences Building, Lower Campus.

UNDERGRADUATE PROGRAMME

Day 1: Academic Merit Evaluation (22 January 2024)

Final academic evaluation of points in accordance with the NUST Evaluation Scale.

Please bring the following (original documents & one certified copy of each):

- NUST EMC invitation to selections letter.
- Final School/Matriculation results.
- Motivation letter and testimonial (all Applicants) and a reference letter (additionally for Mature Age Entry Applicants).
- Any certificates related to the field of healthcare.
- ID or Passport.

Day 2: Programme Specific Placement Test (23 January 2024)

Invited, shortlisted candidates (announced at the end of Day 1), will be required to write a programme-specific placement test (English, Biology, Mathematics & Science). Please bring a black pen and a non-programmable calculator (no mobile/cell phones will be allowed in the test venue).

Day 3: Programme Specific Placement Test (24 January 2024)

Invited, shortlisted candidates (announced at the end of Day 1), will be required to submit a Medical Fitness Assessment Form, completed by a medical doctor (attached to this booklet), before participating in basic physical fitness and environmental assessment (2.5km run, push-ups, sit-ups, burpees, lifting/carrying a heavy weight, acrophobia testing). Please attend this session in comfortable sportswear, including running shoes and a hat/cap. Applicants are advised to bring food/snacks and water for the assessment day.

Day 4 & 5: Interviews (25-26 January 2024)

After completion of Day 3 a shortlist will be compiled and announced to all applicants in person. These shortlisted candidates will be allocated into two interview groups, which will be conducted over two days. Applicants that miss their interview appointment/day, will not be allowed to further participate in the section process. Final selection of candidates will be concluded.

Please note that applicants who do not attend the selection process from Day 1 will not be able to attend the remainder of the selection stages.



RECOGNITION OF PRIOR LEARNING

Holders of either an Emergency Care Technician (ECT) or Critical Care Assistant (CCA) qualification may apply for Recognition of Prior Learning, to be admitted into the Bachelor of Emergency Medical Care Programme.

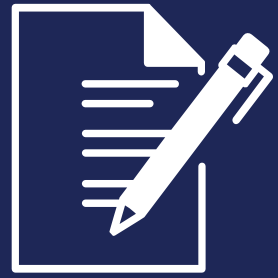
Critical Care Assistant (CCA):

- Application as per AC2.4: Recognition of Non-Certified Prior Learning (NUST General Rules and Regulations).
- Holder of a CCA Certificate.
- Appropriate years of experience.
- Formal assessment to evaluate current competency.
- Exemption/Credits awarded based on prior learning/training.
- Appraisal of a portfolio of evidence of learning.
- Adhere to the set core courses as per the curriculum.
- Attempt special examinations for the following subjects [equivalent to an end-of-year paper]:
 - Emergency Medical Care I
 - Human Anatomy and Physiology
 - Primary Health Care and HIV/Aids
- If they are successful in all of the above mentioned courses, they will be granted admission into the second year of study, however, they will be required to do the lower-level core courses.

Emergency Care Technician (ECT), Old/SADC curriculum:

- Application as per AC2: Recognition Prior Learning (NUST General Rules and Regulations).
- Holder of an ECT Certificate (Old/SADC curriculum).
- Attempt special examinations for the following subjects [equivalent to an end-of-year paper]:
 - Emergency Medical Care II
 - Pharmacology
 - Medical Law and Ethics
- Upon successful completion of all three papers (as mentioned above), the candidate will be able to enter the programme at a third-year level.
- If the candidate is unsuccessful in any of the above mentioned courses, they will enter the programme at second-year level.
- Candidates, however, will be informed of this upon provisional admission to adequately prepare for these assessments.
- The candidates will be required to do all the institutional core courses as per the curriculum.

ADVANCED STANDING SCHEME



Qualified Emergency Care Technicians (National Higher Certificate)

- Application as per GI2.5: Admission with Advanced Standing [[NUST General Rules and Regulations](#)].
- Holders of a National Higher Certificate (NHC) in Pre-Hospital Emergency Medical Care.
- Current registration with the Health Professions Council of Namibia (HPCNA) as Emergency Care Technician.
- Credits will be granted for the following courses:
 - Principles of English Language Use
 - Computer User Skills
 - Basic Science
 - Emergency Medical Care I
 - Human Anatomy and Physiology
 - Clinical Practice I
 - Basic Medical Rescue
 - Clinical Practice II

Please Note:

Holders of the National Higher Certificate in Pre-Hospital Emergency Medical Care will not be awarded with the new Diploma in Emergency Medical Care.



MEDICAL FITNESS ASSESSMENT



NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Faculty of Health, Natural Resources and
Applied Sciences

School of Health Sciences

Department of Clinical Health Sciences

Programme Of Emergency Medical Care

Medical Fitness Assessment

Dear Medical Examiner,

The person presenting this letter and the attached has applied for enrolment in the Bachelor of Emergency Medical Care (Paramedic programme) at the Namibia University of Science and Technology (NUST). Upon graduation of this programme the candidate may register with the Health Professions Council of Namibia (HPCNA) and be employed as an Advanced Life Support paramedic.

As part of this programme, the candidate will undergo strenuous physical exercise, emotional stress and will be required to complete clinical placement at various hospitals and emergency services. Once graduated, the candidate will be required to maintain a good physical fitness level to manage the daily stressors and demands of the profession. This candidate will also be responsible, upon graduation, for responding to emergencies, treating, and transporting patients to the required medical facility.

As such this medical health assessment should focus upon the person's ability to safely undertake these activities. Could you please undertake a medical examination of this person and complete the medical health condition notification form attached. The person presenting this form should have already completed the general medical health questionnaire that you can briefly review and confirm/comment upon, where you see fit.

Thank you for your kind assistance in this regard.

Enquiries:

Ms. JC Botha

Programme Coordinator: Emergency Medical Care.

Department of Clinical Health Sciences.

School of Health Sciences.

Faculty of Health, Natural Resources and Applied Sciences.

T: +264 61 207 2086

E: jbotha@nust.na

General Medical Health Questionnaire

Please complete this questionnaire and take it with to your appointment with your doctor.

Full Name: _____

Address: _____

Postal Address As per above OR: _____

Date of Birth: _____ Age: _____ Gender: _____

Questions

Yes

NO

Questions	Yes	NO
1. Are you currently being treated by a doctor for any illness or injury?		
2. Are you currently receiving any medical treatment or taking any medication?		
3. Have you ever had or been informed by your doctor that you have?		
3.1 High blood pressure		
3.2 Heart disease		
3.3 Chest pain, angina		
3.4 Palpitations/irregular heartbeat		
3.5 Abnormal Shortness of breath		
3.6 Head injury or spinal injury		
3.7 Migraines or persistent headaches		
3.8 Blackouts or fainting		
3.9 Seizures, fits, convulsions, epilepsy		
3.10 Stroke		
3.11 Dizziness, vertigo, balance problems		
3.12 Vision problems, disturbances		
3.13 Diabetes, thyroid disease		
3.14 Kidney disease		
3.15 Neck, back or limb disorders, abnormal pain, abnormal discomfort		
3.16 Hearing disturbances, deafness, prior ear operations		
3.17 Hernias involving the abdomen		
3.18 Dermatitis or eczema		
3.19 Bone injury, fracture, joint injury, dislocation, or arthritis		
3.20 Injury involving the ankle, knee, or hip		

3.21 Phobias (severe fears) i.e., dark, claustrophobia, heights, blood		
4. Have you ever had or been informed that you had/have a psychiatric illness, nervous disorder?		
5. Have you ever had or been prescribed any antidepressant medication, antipsychotic medication, anti-anxiety medication or addiction alleviating medications		
6. Have you ever had/have a serious illness or injury leading to hospital admission?		
7. Have you ever had or been informed that you have a sleeping disorder, narcolepsy		
8. Have you had any major surgeries within the last 5 years?		
9. Are you allergic to anything (including medications)?		
10. Are you currently pregnant or suspect that you may be pregnant? (female applicants)		

If you answered yes to any of the above questions, please note the question number and elaborate further:

Question _____ : _____

Question _____ : _____

Question _____ : _____

Question _____ : _____

Question _____ : _____

Student/Applicant Declaration (in the presence of the doctor (medical examiner):

I _____ (name) hereby certify that to the best of my knowledge the information furnished above is accurate and true.

Signature

Date

NOTE: FOR CONFIDENTIALITY REASONS THIS FORM SHOULD **ONLY** BE HANDED IN TO A LECTURER FOR THE PROGRAMME OF EMERGENCY MEDICAL CARE DIRECTLY ON THE DAY OF SELECTIONS AND **NOT** THROUGH THE SECRETARY OR OTHER PERSONS.

Medical Health Condition Notification Form

Bachelor of Emergency Medical Care

This Form must be completed by the Medical Examiner and returned to programme staff on arrival at the selection day.

Candidate Details:

Mr/Ms/Mrs: _____ Surname: _____

First Names: _____

Street Address: _____

Postal Address: _____

_____ Code: _____

Date of Birth: _____ Age: _____ Gender: _____

Professional Opinion:

I have examined the above-named patient in consideration of the requirements of this profession and programme as outline in the letter provided, and have considered any relevant information brought to light in the medical questionnaire and:

In my professional opinion the person subject of this report:

<input type="checkbox"/>	Is medically fit for the requirements of the programme and/or profession
<input type="checkbox"/>	Is not medically fit for the requirements of the programme and/or profession
<input type="checkbox"/>	Is not medically fit for the requirements of the programme and/or profession but may be considered subject to the following (this includes medical condition that may be controlled [i.e.: Diabetes, epilepsy]):

Date of examination: __/__/20__

Doctor Signature: _____

Address: _____

Official Stamp (private/ministry)





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