



► PROGRAMME DESCRIPTION

The Master of Surgery in General Surgery programme emphasises expanding students' understanding of their chosen speciality and giving them the tools, they need to effectively address medical problems. The candidates' abilities as self-directed learners, critical thinkers, and self-disciplined practitioners are developed through this curriculum. To deliver a programme that will result in exceptional, individualised academic surgical practise, the programme will make use of motivated and experienced clinical trainers. People who are interested in a career in medicine should enrol in this programme.



► PROGRAMME AIM

The program Master of Surgery in General Surgery will produce potential professionals who are able to:

- Show that they have the knowledge and understanding of scientific concepts required for the following: taking a patient's history, performing a physical examination, performing diagnostic tests, making a differential diagnosis, performing clinical interventions and therapeutics, and maintaining a patient's health in a surgical setting.
- Communicate clearly with patients and other staff members in the surgical context.
- Get ready for and take part in the intra-operative care of common surgical problems in the operating room.
- Discuss about post-operative care for patients while performing post-operative wound inspections and identifying typical post-operative problems in the inpatient environment.
- Be effective in their communication with all medical personnel in the operating room (operating room).
- Execute standard technical procedures on an adult patient following surgery.

► CAREER OPPORTUNITIES:

The professional path for students pursuing a Master of Surgery in General Surgery is exciting and fulfilling. After earning a Master of Surgery in General Surgery, students have a wide range of job opportunities. A postgraduate course called the Master of Surgery in General Surgery is designed to help students develop satisfying careers for themselves. After completing this course, students are expected to obtain employment in one of the following fields:

- Pediatric Surgeon
- Upper Gastro-Intestinal Surgeon
- Urological Surgeon
- Vascular Surgeon
- Resident (General Surgery) Cardiothoracic Surgeon
- Endocrine Surgeon

► SUBJECTS

1. History of medicine with special reference to South African texts
2. Health economics - basic terms, health insurance
3. Medical sociology, doctor-patient relationship, family adjustments in disease, organizational behavior, conflict resolution
4. Computers: Record keeping, computer aided learning, virtual reality, robotics
5. Hazards in hospital and protection: AIDS, hepatitis B, tuberculosis, radiation, psychological
6. Environment protection: Bio-medical waste management
7. Surgical audit, evidence based surgical practice, quality assurance
8. Concept of essential drugs and rational use of drugs
9. Procurement of stores and material and personal management
10. Research methodology: Library consultation, formulating research, selection of topic, writing thesis protocol, preparation of consent form from patients
11. Bio-medical statistics, clinical trials
12. Medical ethics
13. Consumer protection
14. Newer antibiotics
15. Problem of resistance
16. Sepsis: SIRS
17. Nosocomial infection
18. Advances in imaging technologies
19. Disaster management, mass casualties, Triage
20. O.T. design, technologies, equipment
21. Critical care in surgical practice
22. Response to trauma
23. Wound healing
24. Fluid and electrolyte balance
25. Nutrition
26. Blood transfusion
27. Brain death
28. Cadaveric organ retrieval

