



Annapoorana Medical College & Hospitals

Allied Health Science Courses

2.1 Guidelines for admission to Allied Health Science Courses

Eligibility for Admission

Candidates should have passed the Higher Secondary Certificate Examination (Academic) conducted by the Tamil Nadu State Board or any other equivalent examination with the following subjects: English, Physics, Chemistry and Biology (Botany and Zoology). Home Sciences Candidates passed in Physics, Chemistry and Biology subjects are also eligible.

Candidates should have completed the age of 17 years at the time of admission or should complete the said age on or before 31st December of the said year, and the maximum limit is 40 years for AHS Degree courses.

Eligibility Certificate:

The candidate who has passed any qualifying examinations other than the Higher Secondary Course Examination conducted by the Government of Tamil Nadu, before seeking admission to any one of the affiliated institutions shall obtain an Eligibility Certificate from the Tamilnadu DR MGR Medical University by remitting the prescribed fees along with application form which shall be downloaded from the University website (www.tnmmu.ac.in)

Medium of Instruction:

English shall be the Medium of Instruction for all the Subjects of study and for examinations of the **B.Sc. Degree Courses Under Allied Health Science Courses.**

Working Days in the Academic Year

Each academic year shall consist of not less than 240 working days

Basis for Admission

Selection is based on merit. Admission to the programme for the year is subject to being certified medically fit by the Medical Board of the Annapoorana Medical College & Hospitals, Salem.

Registration for Admission

Those finally selected for admission after interview will be required to register for the course by paying the tuition fee and completing other admission formalities. Students should submit their certificates in original. (Admission to the degree courses will continue to be provisional until approval by the Tamil Nadu Dr M.G.R. Medical University).

Dress Code

Uniform as specified will be compulsory during the course.

2.2 DEGREE COURSES

(Affiliated to The Tamil Nadu Dr. MGR Medical University)

2.2.1 B.Sc Critical Care Technology

This course is offered by the Department of Medicine, under the auspices of The Tamil Nadu Dr MGR Medical University. All modalities of Care in Internal Medicine are covered in a fixed pattern over 3 Years, with assessments every year.

Critical Care Medicine is a field that deals with critically ill patients in Intensive Care Units (ICUs). ICUs admit the sickest patients in the hospital. Saving such patients depends on the quality of work carried out by the specially trained "Critical Care Team", which comprises of doctors, nurses and critical care therapists. Critical Care Therapists, also called respiratory therapists, form an integral part of the Critical Care Team. This field is very rewarding because often patients who are about to die are given another chance at life. Duties of critical care therapists include direct patient care as well as maintaining advanced equipment like ventilators, used to assist breathing. Patient care includes teaching and supervising breathing exercises, monitoring cardiovascular parameters and assisting procedures like insertion of central and arterial lines, endo-tracheal intubation, bronchoscopy, cardiopulmonary resuscitation, etc. These skilled personnel need to be

trained adequately and this three-year course is recognized by the Tamil Nadu Dr MGR Medical University.

The course covers Anatomy, Physiology and Pharmacology related to critically ill patients, with special reference to respiratory and cardiovascular systems. It includes physiotherapy, management of ICU equipment, lung diseases and problems affecting critically ill patients, with plenty of “Hands-on” experience. Student rotations include Anaesthesia and Physiotherapy in addition to Surgical, Medical and Paediatric ICUs. Job opportunities are plenty as most hospitals have ICUs, requiring critical care therapists who undoubtedly are an integral part of the health care team.

2.2.2 B.Sc Radiography & Imaging Technology

This course is offered by the Department of Radiology, under the auspices of The Tamil Nadu Dr MGR Medical University. All modalities in Radiology are covered in a fixed pattern over 3 Years, with assessments every year.

Each student is posted for adequate periods in all modalities. While being posted in plain X-ray, Barium and Intravenous Urogram rooms, the student is taught and supervised by staff and allowed to independently use the machines when he or she is ready. In the CT Scan and MRI rooms, adequate exposure is given, as these are crucial tests being done in investigating difficult problems. The DSA machine (which helps in studying the blood vessels in patients with bleeding or tumours in the brain) is also handled by students, who are exposed to State of the Art equipment.

The students have common Anatomy, Physiology and Ethics classes with other paramedical students. During internship, students are encouraged to perform investigations under supervision.

At the end of this course, job opportunities are available for students in India as well as abroad. Our department, in addition to Digital Radiography and Computed Radiography, has the Picture Archiving & Computerised System by which all investigations are immediately available on computers for doctors to see across the hospital. We have Ultrasound, Mammography, Doppler machines, CT machines and MRI machines.

2.2.3 B.Sc Operation Theatre and Anaesthesia Technology

This course is offered by the Department of Anaesthesia, under the auspices of The Tamil Nadu Dr MGR Medical University. All modalities in Anaesthesiology are covered in a fixed pattern over 3 Years, with assessments every year.

The specialty of Anaesthesia has advanced tremendously in many different ways, both scientifically and technologically. The types of equipment required to provide anaesthesia and perform many surgeries have become more sophisticated and specialized. Therefore, the technological assistance required for this has become more specialized. The learning and understanding of Anaesthesia Technology has to keep pace with the advancement of the science of Anaesthesiology.

The operation theatre and Anaesthesia Technologist assists the Anaesthesiologist in the various procedures required for administering anaesthesia and in setting up the anaesthetic and monitoring equipment in the operation theatre. They are also involved with regular maintenance and upkeep of the anaesthetic equipment and monitoring devices.

The Three Year Course is aimed at giving trainees a comprehensive overview of Anatomy, Physiology, Biochemistry, Pharmacology, Microbiology, Medicine, General Nursing Principles, Sterilization Techniques and Ethics. They are also exposed to work in the Intensive Care Units. They are exposed to Anaesthesia Services outside the regular Operating Rooms, as in Radiology Suite, Cardiac Catheterisation Laboratory, Endoscopy Room, Day Care Theatre etc. They also undergo training in Basic Life Support, Airway Management in emergency situations and Cardio-Pulmonary Resuscitation. On successful completion of the course, they will be competent to assist Anaesthesiologists in all surgeries and in emergency situations.

2.2.4 B.Sc Medical Laboratory Technology (BSc MLT)

This course is offered by the Department of Laboratory Services, under the auspices of The Tamil Nadu Dr MGR Medical University. All Procedures and Investigations in Biochemistry, Microbiology and Pathology are covered in a fixed pattern over 3 Years, with assessments every year.

Laboratory Services are essential for diagnosis and study of various diseases. Laboratory Science has been advancing rapidly and Annapoorana Medical College &

Hospitals has developed appropriate Laboratory Facilities and Technologist Training Programmes needed. Competent Technologists with advanced scientific knowledge and skill are needed in all branches of Laboratory Technology. In response to this, the Bachelor of Science Degree Programme in Medical Laboratory Technology, affiliated to the Tamil Nadu Dr M.G.R. Medical University, Chennai, is started in 2022.

2.2.5 B.Sc Medical Record Science (BMRSc)

This course is offered by the Department of Medical Records Department, under the auspices of The Tamil Nadu Dr MGR Medical University. All daily Hospital Events and Data in MRD are covered in a fixed pattern over 3 Years, with assessments every year.

The course is designed to impart sufficient knowledge of the prevailing system of scientific documentation with computerization, information search and retrieval and to help students become familiar with large databases dealing with various entities. Students come to know of various pathological conditions, symptoms, drugs & concepts such as data mining and learn the classification & codification of drugs, diseases & their treatment. Students acquire knowledge of the current trends in Medical Record Science like Health Insurance, Third party payers and Document scanning etc. The students will learn Basic Sciences, Medical Terminology, International Classification of Diseases, Telemedicine, Billing Design etc.

There are plenty of job opportunities for a qualified BMRSc Graduate in Corporate Hospital, Nursing Homes and all Government Health Sectors. A MRD Specialist in an integral part of any Health Related Organization.

2.2.6 B.Sc Accident and Emergency Care Technology

This course is offered by the Department of Accident and Emergency Medicine, under the auspices of The Tamil Nadu Dr MGR Medical University. All Life Saving Procedures, Therapies and Resuscitation in Emergencies are covered in a fixed pattern over 3 Years, with assessments every year.

The Accident and Emergency Care Technology course is a Three Year Course which trains candidates in Emergency Medicine with technical knowledge and skills to become the first responders to all emergencies. They are taught knowledge and skills to

help victims of emergencies within and outside the hospital. Training experience is predominantly in the department of Accident and Emergency Medicine, which is a 30 bedded Unit in Annapoorana Medical College & Hospitals.

Duration of the Courses

The duration of certified study for the **B.Sc. Degree under Allied Health Science Courses** shall extend over a period of Four Academic Years including One Year Internship.

S.No.	Name of the Course	No. of Seats	Duration	
			Course	Internship
1.	B.Sc., Critical Care Technology	10	3 Yrs.	1 Yr.
2.	B.Sc., Radiography & Imaging Technology	10	3 Yrs.	1 Yr.
3.	B.Sc., Operation Theatre and Anaesthesia Technology	10	3 Yrs.	1 Yr.
4.	B.Sc., Medical Laboratory Technology (B.Sc., MLT)	10	3 Yrs.	1 Yr.
5.	B.Sc., Medical Record Science (BMRSc)	10	3 Yrs.	1 Yr.
6.	B.Sc., Accident & Emergency Care Technology	10	3 Yrs.	1 Yr.