



# MANIPAL TATA MEDICAL COLLEGE

JAMSHEDPUR

PROSPECTUS 2021



**ALLIED HEALTH  
PROGRAMS**



# ALLIED HEALTH PROGRAMS AT MTMC

Manipal Academy of Higher education is offering Allied Health programs at Manipal Tata Medical College (MTMC) at Baridih, Jamshedpur, with an aim to train high calibre allied health professionals with a view to prevent, diagnose and treat a range of conditions and illnesses working in a multidisciplinary health team and to provide the best patient outcomes. The training offered at Manipal Tata Medical College provide them best skill training in diagnostic, technical, therapeutic and direct patient care as well as support services that are critical to other health professionals they work with and the patients they serve.

The courses offered are based on internationally accepted curriculum and specifically designed to prepare the graduate students for rewarding careers in the globally growing healthcare industry. The institute offers various demand - driven health related programs with excellent infrastructure, clinical facilities and dedicated qualified faculty. The institute offers an intellectually stimulating environment coupled with rich cultural, social, sporting and harmonious life of a campus.

## PROGRAMS OFFERED

B.Sc. (Cardiovascular Technology)

B.Sc. (Exercise and Sports Sciences)

B.Sc. (Health Information Management)

B.Sc. (Medical Imaging Technology)

B.Sc. (Medical Laboratory Technology)

B.Sc. (Renal Replacement Therapy & Dialysis Technology)

B.Optom. (Bachelor of Optometry)

## DURATION OF THE PROGRAMS

B.Sc. CVT, BSc HIM, B.Sc. MLT,  
B.Sc. MIT, B.Optom, B.Sc. RRT & DT > 4 Years

B.Sc. (Exercise and Sports Sciences) > 3 Years

## ELIGIBILITY FOR ADMISSION

**B.Sc. (Exercise and Sports Sciences)**  
**B.Optom. (Bachelor of Optometry)**

Pass in 10+2 / A Level / IB / American 12th Grade or equivalent with English, Physics, and Chemistry with Biology or Mathematics from a recognized Board, with minimum 50 % aggregate marks or equivalent in PCB / PCM

**B.Sc. (Cardiovascular Technology)**  
**B.Sc. (Medical Imaging Technology)**  
**B.Sc. (Medical Laboratory Technology)**  
**B.Sc. (Renal Replacement Therapy & Dialysis Technology)**

Pass in 10+2 / A Level / IB / American 12th Grade or equivalent with English, Physics, Chemistry and Biology from a recognized Board, with minimum 50 % aggregate marks or equivalent in PCB

**B.Sc. (Health Information Management)**

Pass in 10+2 / A Level / IB / American 12th Grade or equivalent from a recognized Board, with minimum 50 % aggregate marks or equivalent in any stream.

## FEE STRUCTURE

### General Category

Program	1st Instalment	Caution Deposit	1st Instalment Total	2nd Instalment	3rd Instalment	Total Fee
B.Sc. (Cardiovascular Technology)	2,42,000	10,000	2,52,000	2,42,000	2,42,000	7,36,000
B.Sc. (Exercise and Sports Sciences)	1,73,000	10,000	1,83,000	1,73,000	1,73,000	5,29,000
B.Sc. (Health Information Management)	1,50,000	10,000	1,60,000	1,50,000	1,50,000	4,60,000
B.Sc. (Medical Imaging Technology)	2,02,000	10,000	2,12,000	2,02,000	2,02,000	6,16,000
B.Sc. (Medical Laboratory Technology)	1,15,000	10,000	1,25,000	1,15,000	1,15,000	3,55,000
B.Sc. (Renal Replacement Therapy & Dialysis Technology)	1,73,000	10,000	1,83,000	1,73,000	1,73,000	5,29,000
Bachelor of Optometry - B.Optom	2,02,000	10,000	2,12,000	2,02,000	2,02,000	6,16,000

### Foreign Category

Foreign/NRI (USD \$)	7,000	200	7,200	7,000	7,000	21,200
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## B.Sc. CVT (Cardiovascular Technology)

The bachelor program in Cardiovascular Technology, provides unmatched clinical exposure for its students. Students are trained to diagnose and examine heart chambers, valves and vessels with the help of cardiac ultrasound equipment's and cardiac electrocardio grams, also assist in operating equipment and administration of cardiac catheterization procedures in invasive cardiac setup.

### → Career Prospects

Graduates of this program can find placements in traditional and non-traditional areas including:

- Hospitals, Medical manufacturing companies (Cardiac Pacemakers, Stents, Catheters and Balloons)
- Industrial Medical Facilities
- Allied Health Educational Institutions

**Opportunities for pursuing Master's Program**



## B.Sc. (Exercise and Sports Sciences)

An interdisciplinary field that explores the complex nature of human movement and how the body responds to acute and chronic physical exertion from fitness training and, recreational and professional sports. Exercise science encompasses disciplines of exercise and sport physiology, movement analysis, training and conditioning and, sport and exercise psychology. Sport Science is a sub discipline that explores the factors influencing sport performance and strategies to improving it. There is growing demand for exercise and sports scientists around the globe.

### → Career Prospects

Graduates on completion, will have the knowledge, skills and abilities to work in Sports medicine centres, professional sports organizations, corporate fitness/ wellness industries and occupational health as:

- Exercise and Sports Physiologists
- Movement Analysts/Biomechanists
- Trainers/ Health Fitness Specialists/ Exercise Specialists
- Sports Science Administrators and Faculty

**Opportunities for pursuing Master's Program**





## B.Sc. (Health Information Management)

BSc in Health Information Management is designed to equip students to take up independent middle level managerial positions, interacting with all levels of healthcare organisations and use patient data in decision making and everyday operations.

Our graduates work in a broad range of settings that span the continuum of healthcare including hospitals, physician practices, nursing homes, home health agencies, long term care facilities and public health agencies.

### → Career Prospects

- Health Information Managers/Medical Record Officers/ Administrators
- Quality Managers
- Health Insurance Managers
- Faculty/Educators
- Quality Analysts in Research Centres
- Consultants
- Coding Specialist for Healthcare Providers
- Coding Specialists for Health Insurance Firms
- Third Party Administrators
- Medical Transcriptionists / Proofers / Editors / QAs etc.

**Opportunities for pursuing Master's Program**

## B.Sc. (Medical Imaging Technology)

Bsc in Medical Imaging Technology program is suitable for students seeking to expand their horizons and pursue a career field related to medical research & development or technological research in companies that lead to a breakthrough in diagnostic imaging. Upon completion of this program, students will not only acquire a broad & detailed knowledge in medical imaging which help them be a new generation radiologic technologist, but also will have the opportunity to develop important practical skills in organising radiological department.

### → Career Prospects

The graduates work as Imaging Technologists in Hospitals with Radio diagnostic facilities both in public and private sectors.

- Application specialists in Medical Imaging Equipment companies such as GE Health care, Philips, Siemen's, etc.
- Educational: As a tutor in medical imaging graduate program.

**Opportunities for pursuing Master's Program**



## B.Sc. (Medical Laboratory Technology)

Bsc in Medical Laboratory Technology aims to provide efficient and balanced training in laboratory medicine. Students receives skill training in all the aspects of laboratory medicine: Clinical Biochemistry, Clinical Microbiology, Clinical Pathology, Heamotology, Transfusion Medicine, Serology, Histopathology, Cytology and Cytogenetics

### → Career Prospects

- Work as laboratory technologist at hospitals, Pharmaceutical laboratories, Public Health laboratories, research & product development
- Managerial Supervisor in laboratory, as consultant to laboratory medicine industry, Quality assurance companies, sales & marketing
- Educational: As a tutor in laboratory medicine graduate program.

**Opportunities for pursuing Master's Program**

## B.Optom. (Bachelor of Optometry)

The Bachelor of Optometry course trains the students to perform comprehensive eye examination and provide appropriate optometric management. Students are provided training in the areas of contact lens, low vision and binocular vision during the course along with participation in various national level community-based eye screening camps.

### → Career Prospects

Graduates of this program can find placements in traditional and non-traditional areas including:

- Tertiary eye care Hospitals
- Optical and Contact lens industries
- Private Practice
- NGOS

**Opportunities for pursuing Master's Program**



## B.Sc. (Renal Replacement Therapy & Dialysis Technology)

B.Sc. (Renal Replacement Therapy & Dialysis Technology) program provides the basic knowledge of renal anatomy, physiology, kidney diseases, and special extracorporeal therapies. This program prepares the students to conduct haemodialysis and peritoneal dialysis to individuals with end-stage kidney disease and acute kidney injury requiring dialysis. Students are posted to dialysis unit and various intensive care units.

### → Career Prospects

After the completion of this program students can get placements in:

- Healthcare setup: As dialysis therapist/technologist
- Application Specialist in Dialysis machines Manufacturing companies
- Academic: As a tutor or clinical supervisor

**Opportunities for pursuing Master's Program**



## Scholarships for Allied Health Programs at Manipal TATA Medical College (MTMC) Jamshedpur

MAHE Manipal offers scholarship to students admitted to the following Allied Health Programs at Manipal TATA Medical College (MTMC) Jamshedpur

### Programs

Bachelor of Optometry	B.Sc. Cardiovascular Technology
B.Sc. Exercise and Sports Sciences	B.Sc. Health Information Management
B.Sc. Medical Imaging Technology	B.Sc. Medical Laboratory Technology
B.Sc. Renal Replacement Therapy and Dialysis Technology	

### Scholarship Guidelines

- All candidates are required go through the admission process specified for each program
- All candidates admitted to the above program under **GENERAL** category, are eligible for 20 % course fee waiver as scholarships, provided they meet the eligibility criteria required at the time of admission
  - Domicile candidates from Arunachal Pradesh, Assam, Jharkhand, Manipur, Meghalaya, Mizoram, Nagaland, Tripura and Sikkim are eligible for additional fee waiver of 15 % as scholarships ie; total fee waiver of 35 % as scholarship for the 1<sup>st</sup> year, only on the production of valid domicile certificate
- Candidates are required to pay the full first year course fee including refundable Caution Deposit of Rs. 10,000/- at the time of Admission / Reporting.
- The Scholarship obtained by the candidate is applicable for the entire program duration, starting 1<sup>st</sup> year of the program
  - Domicile candidates from Arunachal Pradesh, Assam, Jharkhand, Manipur, Meghalaya, Mizoram, Nagaland, Tripura and Sikkim must clear all the subjects of the preceding semester(s) / year(s) in order to be eligible for the additional fee waiver of 15 % (mentioned above) for the 2<sup>nd</sup> & 3<sup>rd</sup> years
- The scholar will have to take care of other expenses such as hostel accommodation, food, books etc.
- Continuation of scholarship for subsequent years will be based on academic performance of the students in the University examinations, preceding the due date for payment of fee / dues as mentioned above
  - The scholarships will be forfeited in the instances of irregularity in attendance, proven charges of indiscipline, bringing disrepute to the Department / Institution / University etc





# MANIPAL TATA MEDICAL COLLEGE

## JAMSHEDPUR

### CONTACT DETAILS FOR ADMISSION & INQUIRY:.

Prof.(Dr.) RAJESH KUMAR SINHA, Ph.D.

Head - Allied Health Program

Manipal Tata Medical College,

(A Constituent Unit of Manipal Academy of Higher Education, Institution of Eminence, Deemed to be University)

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