

Medical Laboratory Technology is the branch of medical science responsible for performing Laboratory investigations relating to the diagnosis, treatment and prevention of disease through the use of clinical Laboratory tests. The goal of this course is to provide students technical skills to examine and analyze different body fluids, tissues, blood typing, microorganisms, chemical analyses, cell counts etc. of the human body, which play an important role in collecting the information needed for treating most pathology cases by sampling, testing, analyzing and reporting such investigations.

Eligibility: Any student who has passed class 12th (PCB/PCM, with 40% or any other stream with 50%) can join

Age Limit: The student must attain 17 years as on 31st December of the year of admission, and should not be more than 25 years. Age relaxation of 5 years for ST/SC candidate and 3 years for OBC candidate is applicable.

Duration: 2 Years

Radiology Technicians use X-rays, Computed Tomography (CT) Scan, Magnetic Resonance Imaging (MRI), Dexa Scan and Mammography. Doctors and other health care providers use these images to diagnose or further investigate medical issues, concerns, or illnesses. Students interested in pursuing a career in this area would benefit from this course, which will offer them with appropriate knowledge and abilities.

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Duration: 2 Years

Diploma in Dialysis Technician equips the students to use dialysis machines on individuals who have acute or chronic renal failure and manage complications during dialysis. Dialysis is a procedure that removes waste and toxins from the blood. In the case of renal failure/malfunction, dialysis is utilized to clear metabolic waste products and dialysis technicians are engaged wherever dialysis procedures are performed.

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years for OBC candidate is applicable.

Duration: 2 Years

Diploma in Operation Theatre Technology is developed with the intent of ensuring that the applicant acquires the necessary knowledge and skills to manage the operating room and be an active member of the surgical team. Preparing and maintaining the operation theatre and equipment; supporting the surgical team during operations; and providing support to patients in the recovery room and throughout post-operative critical care treatments are the primary responsibilities of an operation theatre technician.

Eligibility: Any student who has passed class 12th (PCB/PCM, with 40% or any other stream with 50%) can join

Age Limit: The student must attain 17 years as on 31st December of the year of admission, and should not be more than 25 years. Age relaxation of 5 years for ST/SC candidate and 3 years for OBC candidate is applicable.

Duration: 2 Years

Diploma in physiotherapy :

A diploma in Physiotherapy is a job-oriented medical/paramedical course. It is a 1 years diploma certificate program. 10th-standard students are eligible to pursue this course after completing the board examination (many institutes accept 10th-passed students).

Diploma in Physiotherapy Overview

A Diploma in Physiotherapy is a professional course in the paramedical field that candidates can pursue if they want to work with and treat patients who have physical disabilities or have been injured. The course duration is 2 years and it teaches different rehabilitation techniques to candidates that must be applied to patients so that they can return to a normal lifestyle.

Candidates can pursue a Diploma in Physiotherapy after completing their 10+2 with a minimum of 50% aggregate score from a recognised board with the science stream. Some colleges and institutions offer admission to DPT courses on the basis of merit or through marks scored at entrance examinations. Some of the top entrance examinations for pursuing a Diploma in Physiotherapy are IPU CET, BCECE, etc. Madras Medical College, Christian Medical College, Aligarh Muslim University, and King George's Medical University are some colleges in India where students can acquire a Diploma in Physiotherapy.

The curriculum for the Diploma in Physiotherapy has been designed in such a way that students can acquire scientific knowledge, understand how to solve problems, and develop technical and communication skills. The average course fee for a Diploma in Physiotherapy ranges from INR 10,000 to INR 5,00,000 and it depends on the institution in which one is enrolled.

After completing a Diploma in Physiotherapy, students can find job opportunities in different health institutions, defence medical organisations, the pharmaceutical industry, and orthopaedic departments. On average, students who complete a Diploma in Physiotherapy usually earn anywhere from INR 2 LPA to INR 5 LPA in the initial years of their career.

Diploma in Physiotherapy Course Highlights



Here are the course highlights for a Diploma in Physiotherapy:

Level of the course	Diploma
Total duration	2 years
Examination type	Semester basis
Admission Process	Merit based or marks scored in entrance exams
Eligibility criteria	Class 12 with science stream and a minimum of 50% in exam results
Average salary	INR 3 - 5.5 LPA

Who Should Do a Diploma in Physiotherapy?

The following are the points that can help you determine if a diploma in physiotherapy is right for you.

1. **Individuals with a passion for helping others:** Physiotherapy is a field that involves helping patients recover from injury or illness through rehabilitation and therapy services. If you have a strong desire to help others and make a positive impact in their lives, then a diploma in physiotherapy could be a good fit for you.
2. **Good problem solvers:** Physiotherapists must be able to diagnose and treat patients' problems, evaluate the effectiveness of their treatments and make necessary adjustments. If you enjoy problem-solving and critical thinking, then a career in physiotherapy may be of interest to you.
3. **Strong interpersonal skills:** Physiotherapy involves working closely with patients and communicating effectively with them to understand their needs and develop effective treatment plans. If you have strong communication skills, are empathetic, and enjoy working with people, then this field could be right for you.
4. **Physically active individuals:** Physiotherapy involves hands-on work with patients, including manual therapy and exercise prescription. If you are physically active, have good manual dexterity, and enjoy hands-on work, then a career in physiotherapy may be a good fit.
5. **Interest in the medical field:** A diploma in physiotherapy provides students with a solid foundation in anatomy, physiology, pathology, and rehabilitation. If you have an interest in the medical field and want to pursue a career in healthcare, then this program could be a good choice.
6. **Career advancement opportunities:** Physiotherapy is a growing field with numerous career advancement opportunities. With further education and experience, physiotherapists can specialize in areas such as sports medicine, pediatrics, or geriatrics. Additionally, many physiotherapists go on to start their own private practices or work in multidisciplinary clinics.
7. **Good earning potential:** Physiotherapy is a well-paying field with good earning potential. As a physiotherapist, you can expect to earn a good salary, with opportunities for growth and advancement throughout your career.

So a diploma in physiotherapy is a good choice for individuals who are passionate about helping others, enjoy problem-solving, have strong interpersonal skills, are physically active, and have an interest in the medical field. This program offers a range of career advancement opportunities and good earning potential, making it a worthwhile investment for those looking to make a difference in the lives of others.

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Why Choose Diploma in Physiotherapy?

Many employers are on the lookout for specialists and physiotherapy in itself is a big and important part of medicine and public health. Moreover, the skills learned after studying Diploma in Physiotherapy are transferable skills and the scope of further education (undergraduate to PhD level)

is also available. When considering a Diploma in Physiotherapy, here are some points to remember why choosing a Diploma in Physiotherapy is important and worthwhile:

- Physiotherapy is helpful for many people: Once someone studies a Diploma in Physiotherapy and becomes a physiotherapist, there are ample opportunities for a challenging, yet satisfying and rewarding career. Physiotherapists have the opportunity to make a difference in the lives of patients and improve their health by restoring normal functional movements.
- There is a huge requirement for physiotherapists in society: Society considers physiotherapists to be valuable members of society and they are well respected by everyone. With the help of physiotherapy, people who are suffering from chronic pain and sports injuries or are facing any challenges in mobility can find a way back to life with the help of the services offered by a physiotherapist.
- Diploma in Physiotherapy is a practical course: Students can find ample opportunities to work in the healthcare sector and also become self-employed after completing a Diploma in Physiotherapy.
- A severe shortage of physiotherapists in India: As per WHO's mandate, there must be at least 1 physiotherapist for every 10,000 people and in India, the number of qualified individuals is nowhere close to this number. Hence, with this huge gap in the number of professionals, there's a scope for building a promising career in physiotherapy.
- Good compensation: With a Diploma in Physiotherapy, candidates will be hired by hospitals, different nursing homes and care centres. On average, the income of a physiotherapist is INR 3-4 LPA in India. The chances of better compensation can also be derived from entrepreneurship where they own a physiotherapy clinic. Charges in such clinics can range from anywhere between INR 200 to INR 1000 for every session.

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Diploma in Physiotherapy Courses

Diploma in Physiotherapy is a course which teaches technical skills to students related to human body rehabilitation. There are no separate courses under a Diploma in Physiotherapy. It is a complete course in itself. Here are some of the Diploma in Physiotherapy subjects that are taught during the duration of the course - Physiology, Anatomy, Microbiology, Pathology, First aid and Nursing, Clinical Observation, etc.

various job roles by completing diploma in physiotherapy:

- Rehabilitation Centre officer.
- Pharma Industry.
- Orthopaedic departments.
- Health instructor.
- Assistant physiotherapist.
- Researcher.
- Private physiotherapist.
- Therapy manager.

Optometry is a specialized health care profession that involves examining the eyes and related structures for defects or abnormalities. Optometrists are [health care professionals](#) who typically provide comprehensive primary eye care.

In the United States and Canada, optometrists are those that hold a Doctor of Optometry degree. They are trained and licensed to practice medicine for eye related conditions, in addition to providing refractive (optical) eye care. In the United Kingdom, optometrists may also practice medicine (and provide refractive care) for eye related conditions. The Doctor of Optometry title can also be used in the UK for those that hold the postgraduate O.D. degree. Within their scope of practice, optometrists are considered physicians and bill medical insurance(s) (example: Medicare) accordingly. Moreover, many participate in academic research for eye-related conditions and diseases. Optometrists are the only health care professionals with a first [professional degree](#) specific to eye care; [ophthalmologists](#) are physicians who typically hold a four-year college degree, a medical degree, and at least three years of residency training after medical school, obviating the need for an eye-specific degree.

This is a 2 years course and at the end of 2 years final exam is conducted by HSC board. This is considered as 11th and 12th standard education and after passing out, student is eligible for Degree Course in Optometry.

Career In Optometry

Are you curious to know about Optometry?

“Optometry is the healthcare profession of measuring vision, prescribes and fit lenses to improve vision, and detecting & treat various eye diseases”

The historical backdrop of optometry can be followed back to the earlier studies on the optics and image formation by the eye.

The term optometry appeared in book “A Treatise on the Eye: The Manner and Phenomena of Vision” that was written by Scottish physician William Porterfield in 1759.

Optometry is a satisfying career in [medical courses](#) in various ways. It is a dynamic and challenging career that offers self-awareness, work flexibility, community respect, money related achievement & unlimited opportunities.

A career in optometry offers a high salary, job stability, tremendous potential for development and a decent work environment.



Courses & Duration

Many universities in India offering diploma, certificate, bachelor, master & Ph.D courses in Optometry.

Certificate Courses: This course is of 1 year duration.

Bachelor Degree Courses:

- *Optometry (B.Opto)*

The duration of these courses is 4 years. The student has successfully completed H.S.C./10+2 or equivalent examination with Physics, Chemistry, Biology or Mathematics & Pass in English.

Master Degree Courses:

- *Master of Optometry (M.Opto)*

M.Opto are two years duration regular full-time course. For admission in these courses, students have to pass Bachelor degree in Optometry or equivalent course from any Indian University.

Get career tips in Optometry through email or sms by filling this form:

Education required to become an Optometrists

To become **Optometrists**, you have completed 4 year bachelor degree program, preferably in a relevant field such as biology, chemistry, or physiology. You will require a bachelor's degree to apply for optometry programs. Optometry programs typically take an additional four years to complete. All optometrists have to pass rigorous nationally administered exams to earn their license to practice.

Optometrists can pursue M.S, M.Phil, Ph.D or OD (Doctor of Optometry) degree after completion of Bachelors in Optometry.

Those students have a diploma certificate, they can directly begin earning by working with an Ophthalmologist, an Eye Hospital, and an Optician or even start his own practice as an **Optician**.

Career Opportunities

After studying Optometry, you can make your career as optometrists, ophthalmologists & Optician.

Confused about optometrists, ophthalmologists & Optician? We Clear It Up for You.

Ophthalmologists, optometrists and opticians each play very important role in providing eye care to consumers.

How about we begin with optometrists?

Optometrist is the independent primary health care provider who specializes in eye care and visual health. An Optometrist is medical professionals, but not physicians. They focus on regular vision care and prescribe eyeglasses and contacts. Optometrist examines the internal and external structure of the eyes.

The *career opportunities* in all these fields are wide & huge in demand both in India and abroad.

Optometrists can work as post-secondary teachers, occupational/industrial safety programs, consultants in the eye care industry or do research in optometry colleges.

Optometrists can also set up their own private clinics & work independently. They can also choose a career in sports vision, public health and government service or community health centers.

Top Job Profiles

Some most famous *job profiles* of Optometrists are given below.

- Customer Care Associate
 - Private Practitioner
 - Professor
 - Trainee Optometrist
 - Vision Consultant
 - Optometry Researcher
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Salary & Pay Scale

The initial monthly salary of an *optometrist* ranges between **Rs.20, 000 to Rs.40, 000**. Optometrist can earn **Rs. 4 to 5 lacs** per year as a fresher. An *ophthalmologist* makes different salaries depending upon their employment place, applicable skills and geographical area. In India, they can earn at least **Rs. 9 to 10 lacs** in a year. The median salary for an ophthalmologist in the US is **\$202,133** annually.

DIPLOMA IN OPTOMETRY

Paramedical in Ophthalmic Technology

Diploma Courses: It is two years duration course. You can pursue this course after completing your 10+2 with Physics, Chemistry, Biology & English.

Paramedical in Ophthalmic Technology

Eye is an important gift of god to the human being. This is the gift that helps us to enjoy the beauty of colors and visual objects. So we need to preserve the eye very carefully. Hence, we need to be very careful about the treatment we provide to our eyes, the glasses we wear and proper maintenance of the spectacles. But spectacles which are part of our daily lives are bound to wear and tear due to frequent use. So, we need expert ophthalmic technicians who can tend to our vision and mend any problems that occur in our spectacles. So, there are diplomas provided in ophthalmic technology to train a work force for the purpose.

Syllabus:

Diploma in Ophthalmic Technology is a 2 year course designed to train the students on various aspects of ophthalmic problems, their cure and their proper solution. They are provided with practical and theoretical knowledge and end term result is based on the performance of the candidate in both the practical and theory equally.

Eligibility & Admission:

A candidate is considered eligible for diploma in ophthalmic technology if he/she has got a 10+2 degree. Preference is given to those candidates who have biology in their course. The admission is based on merit and done after the candidates pass an entrance exam held by the institute.

S.S.C./I.C.S.E./C.B.S.E. (Minimum 50% marks)

Fees:

22,000/-

Approx. Rs.12,000/- per year.

Higher Studies:

Post Diploma Fellowship in Contact Lens , Low Vision, Orthoptic & Pediatric Optometry.

Admission to the Second year of Degree Course in Bachelor in Optometry.

Job Prospects:

There are good paid jobs for a diploma holder in ophthalmic technology in place where they manufacture spectacles, glasses for spectacles, and other important ophthalmic aids. There are renowned companies as well as scope of self employment. The income is fairly good.

Employers:

- Technical Assistants to Ophthalmologists.

- Optometrist (for refraction work and prescription of contact lenses) in hospitals and optical outlets.
- Community Health work related to Eye Care.
- Technical Assistants in Managing Eye Banks.
- Self Employment (Opening an Optical Showroom).
- Job in Corporate Sector (Optical).