

B.Sc. (Optometry)

Affiliated to the Tamilnadu Dr.M.G.R. Medical University, Chennai

PROSPECTUS



INSTITUTE OF OPHTHALMOLOGY

JOSEPH EYE HOSPITAL

Post Box No.138, Melapudhur

TIRUCHIRAPALLI – 620001, TamilNadu, South India

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About the Course

Health care has seen tremendous advancements in the past. “The demand for professionally trained personnel in the large and growing field of allied health sciences has transferred geographical boundaries both developed and developing countries turning to India for qualified people.

India also is witnessing a growing demand for trained allied health professionals with government and private medical institutions engaged in providing with the necessary personnel. Employment opportunities are therefore available in plenty, so also the remuneration is attractive. What is needed is to make concerted efforts to provide competent paramedical graduates with the required training to take on the challenging world of health care.

It is with this background that Institute of Ophthalmology, Joseph Eye Hospital, Tiruchirappalli, South India has developed paramedical courses that combine paramedical education with a basic knowledge and training in it. This programme aims at developing competence and provide students with facilities to perform their vocations immediately after their graduation.

Profile of the Institution

The Institute of Ophthalmology, Joseph Eye Hospital, Tiruchirappalli, South India is a non profit, voluntary Christian Institution. The main aim is to impart education of the highest standards in the arts and science of Ophthalmic medicine and surgery and to equip the persons involved with the spirit of service in relieving the suffering and promoting the eye health in full recognition of the moral and spiritual basis of life, in relation to health.

Founded in 1934, the institute and hospital caters to the community at large, irrespective of the caste, creed and affordability

The hospital out-patient department has apart from general ophthalmology, sub-specialty clinics for Glaucoma, Retina-vitreous, Cornea, Squint, Contact lenses, Neuro ophthalmology, Low Vision and Plastic surgery with state of the art investigative and management equipments, updated infrastructure and expertise and sophisticated well equipped ophthalmic theatres to perform wide range of surgeries.

Under high volume, high quality, and low cost outreach programme, 25,000 operations are done every year for the restoration of sight. Over 3, 00,000 people are treated annually for various eye ailments. School screening and mobile eye camps are conducted every year. In addition to curative eye care, JEH is also involved in rehabilitation of blind people in three avenues of services, Bishop Diehl home for the Blind – institutionalized training centre, Community Based Rehabilitation, Integrated education for the blind and disabled children.

The institute with such abundant clinical material, competent faculty, adequate infrastructure, bed strength of 150, qualified staff, updated and state of the art equipments and teaching facilities, JEH has been involved in manpower development of various categories of personnel from 1978.

Since then, the institute has been training batches of Post graduates in ophthalmology, ophthalmic technicians, ophthalmic nurses, camp organizers and other paramedical personnel.

Bachelor in Optometry
(Affiliated to the Tamil Nadu Dr. M.G.R. Medical University, Chennai)

ELIGIBILITY FOR ADMISSION:

- (a) Pass in HSC / CBSE / ISC or equivalent examination with
- i Physics, Chemistry, Biology and Mathematics subjects taken together at the qualifying examination after a period of 12 years of study.
 - ii A pass in English with a minimum of 35% marks is mandatory for all categories for admission to the course.
- (b) A candidate shall, at the time of admission, submit to the Head of the Institution, a Certificate of Medical Fitness from an authorized Medical Officer certifying that the candidate is physically fit to undergo the academic course and does not suffer from any disability or contagious disease.

AGE LIMIT FOR ADMISSION:

Every candidate should have completed the age of 17 years as on 31st December of the year of admission.

ELIGIBILITY CERTIFICATE:

The candidates who have passed any qualifying examination other than the Higher Secondary Course examination conducted by the Government of Tamil Nadu shall obtain an Eligibility Certificate from the University by remitting the prescribed fees along with the filled in Application Form which can be downloaded from the University website (www.tnmmu.ac.in), Mark Sheet, Transfer Certificate and other relevant documents required by the University before seeking admission to any one of the affiliated Institutions.

REGISTRATION:

A candidate admitted to the Bachelor of Optometry Degree Course in any one of the affiliated Institutions of this University shall register his / her name in the prescribed application form for registration duly filled along with the prescribed fee and a declaration in the format, (as in Annexure) to the Academic Officer of this University through the affiliated Institution within 60 days from the Cut-off date prescribed for Bachelor of Optometry Degree Course for admission.

DURATION OF THE COURSE:

The duration of the Bachelor of Optometry Degree course shall be three academic years and one year internship.

COMMENCEMENT OF THE COURSE:

The course shall commence ordinarily from 1st August of the academic year.

COMMENCEMENT OF THE EXAMINATIONS:

Regular Examinations will commence from 1st August and supplementary Examinations will commence from 1st February.

If the date of commencement of the examination falls on Saturday, Sunday or declared Public Holidays, the examination shall begin on the next working day.

CUT-OFF DATES FOR ADMISSION TO THE EXAMINATION:

The Candidates admitted upto 30th September shall be registered to take up their 1st year examination during August of the next year.

MEDIUM OF INSTRUCTION:

English shall be the medium of instruction for all subjects of study and examinations will be conducted only in English.

CURRICULUM:

The Curriculum and the Syllabi for the course shall be as prescribed by the University from time to time.

ATTENDANCE REQUIRED FOR ADMISSION TO EXAMINATIONS:

- (a) No candidate shall be permitted to appear for the University examinations, unless he/she attends the course for the prescribed period and produces the necessary certificate of attendance and satisfactory conduct from the Head of the Institution.
- (b) Every candidate is required to put in a minimum of 90% of attendance both in theory and practical separately in each subject for admission to the examination.
- (c) A candidate lacking in the prescribed attendance in any subject in theory and /or practical shall not be admitted to the entire examination.

PATTERN OF QUESTION PAPER FOR UNIVERSITY EXAMINATION:

Theory:

2 Essays (15 Marks each)	2 x 15 Marks = 30 Marks
10 Short Notes (5 Marks each)	10 x 5 Marks = 50 Marks
10 Short Answers (2 Marks each)	10 x 2 Marks = 20 Marks

Total	----- 100 Marks -----
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FIRST YEAR

S. No.	Subject Title	I A	Univ. Exam	P	V	Total
1.	Mathematics I & II	50	100	-	-	150
2.	Physical and Geometrical Optics (I & II)	50	100	100	50	300
3.	General Anatomy & General Physiology	50	100	100	50	300
4.	Ocular Anatomy and Ocular Physiology	50	100	100	50	300
5.	Basic Biochemistry (I & II)	50	100	100	50	300
6.	Computing and Computer Applications	50	100	100	50	300
7.	Nutrition	50	100	100	50	300
8.	Principles of Lighting	50	100	-	-	150

Internal Papers:

9. Functional English and Communication
10. Management Principles and Basic Accountancy
11. Hospital Procedures

SECOND YEAR

S. No.	Subject Title	I A	Univ. Exam	P	V	Total
1.	Optometric Optics (I & II)	50	100	-		150
2.	Ocular Diseases (I & II)	50	100	-		150
3.	Visual Optics I	50	100	100	50	300
4.	Pharmacology	50	100	-		150
5.	Pathology and Microbiology	50	100	-		150

Internal Papers:

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| 6. Marketing and Consumer Behaviour | 7. Optometric Instruments |
| 8. Clinical Examination of Visual System | 9. Clinical Psychology |
| 10. Clinics (I & II) | |

THIRD YEAR

S. No.	Subject Title	I A	Univ. Exam.	P	V	Total
1.	Binocular vision	50	100	-	-	150
2.	Glaucoma	50	100	-	-	150
3.	Low Vision Aids	50	100	50	100	300
4.	Dispensing Optics	50	100	50	100	300
5.	Pediatric Optometry and Geriatric Optometry	50	100	-	-	150
6.	Contact Lens	50	100	-	-	150
7.	Law & Optometry and Occupational Optometry	50	100	-	-	150

Internal Papers:

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| 8. Systemic Diseases | 9. Epidemiology and Bio Statistics |
| 10. Public Health and Community Optometry | 11. Clinics and Special Clinics (I & II) |
| 12. Project | |

FOURTH YEAR – INTERNSHIP

Course objectives:

This programme will enable those passing out to become Optometrists who can undertake

1. Correction of refractive errors of the eye and prescription of glasses.
2. Detection of ocular and related systemic and neurological diseases.
3. Designing and fitting of contact lenses, aniseikonic lenses and low vision aids.
4. Diagnosis and orthoptic treatment of oculomotor malfunctions such as heterophoria and strabismus.
5. Public Health Optometry in Schools, Colleges, Urban slums, rural areas and Occupational Optometry in Industries.
6. Optometric counseling of patients with partial sight, colour blindness and hereditary vision defects.
7. Evaluation of the health status of the eye and visual system and referral of patient to specialists at the appropriate stage.
8. Detection at an early stage of pathological conditions and immediate referral of the patients to specialists.
9. Vision rehabilitation and follow-up work of discharged patients.
10. Public education on ocular hygiene and related nutritional and environmental counseling.

They will however not be permitted to undertake any surgery or application of medicines other than those absolutely required for the discharge of their optometric functions.

The fees structure is as follows:-

Bachelor in Optometry - 3 Years + 1 Year Internship				
Details	First Year	Second Year	Third Year	Internship 1 Year
Tuition Fees	25000	25000	25000	25000
Caution Deposit	1000	0		0
Library and Internet	1000	0		0
Laboratory Fees	2000	0		0
Stationery	2500	1500	1500	0
Project	0	0	5000	0
Uniform 3 sets	1500	0	0	0
Boarding & Lodging (Rs.2100/- x 12 mts.)	25200	25200	25200	25200
Total	58200	51700	56700	50200

Grand Total for Hostellers: Rs.216,800/-

Grand Total for Day Scholars: Rs.116,000/-

Note: Any fee is subject to revision. Examination fees will have to be paid before examination.

Last date for submission of application is : _____