

Healthcare

Introduction of the Sector

Health Care comprising of hospitals, medical devices, clinical trials, outsourcing, telemedicine, medical tourism, health insurance and medical equipment has become one of India's largest sectors – both in terms of revenue and employment. With increased awareness about health, domestic healthcare, medical tourism and health insurance markets are gaining momentum, offering opportunities for trained personnel.

B. Voc. in Dialysis Technology

Course Introduction

The three-year graduate program provide students with the opportunity to study the Principles of Dialysis, basic medical science of the kidney, fluid and electrolyte balance, hematologic aspects, infectious diseases, dialysis systems and equipment, vascular access to circulation, blood chemistry, complications of renal failure, psycho-social aspects and an overview of peritoneal dialysis and renal transplantation.

In short, students are trained to operate Dialysis Equipment, inspect and maintain it. Other than technical training, subjects like Human Anatomy and Physiology, Renal Diseases, other relevant diseases, Blood Chemistry etc., are also covered in this course

Eligibility for Admission

The eligibility for admission to B. Voc. in Dialysis Technology shall be 10+2 or equivalent, in science stream.

Career Prospects

Graduates get employed in hospitals and private practices as Dialysis Therapists. A career in research, following the completion of a higher degree is an option chosen by some graduates. Graduates are also eligible for employment overseas where their qualifications, training and experience are highly regarded.

Semester-wise Listing of Courses

Semester	Subject Code	Subject Name	Credits
I	GE 1.1	Functional English	4
	GE 1.2	Communication Skills - I	4
	GE 1.3	Computing Skills - I	4
	DT 1	Introduction to Human Anatomy	2
	DT 2	Introduction to Human Physiology	2
	DT 3	Introduction to Kidney Disease and Renal Replacement therapy	2
	DTP 1	Vocational Practical	12
	GE 2.1	Basics of Economics and Markets	4

II	GE 2.2	Environment Sciences	4
	GE 2.3	Ethics and Governance	4
	DT 4	Pathology and Microbiology	2
	DT 5	Biochemistry and Basic Nutrition.	2
	DT 6	Principle and types of Dialysis	2
	DTP 2	Vocational Practical	12
III	GE 3.1	Communication Skills II	4
	GE 3.2	Financial Literacy	4
	GE 3.3	Basics of Legal and HR Policies	4
	DT 7	Pharmacology Related to Dialysis Technology	2
	DT 8	Concept of Kidney Disease	2
	DT 9.1	Applied Dialysis Technology I	2
	DTP 3	Vocational Practical	12
IV	GE 4.1	Computing Skills – II	4
	GE 4.2	Basics of Accounting	4
	GE 4.3	Design Thinking	4
	DT 10	Equipment in Dialysis.	2
	DT 11	Patient Care	2
	DT 9.2	Applied Dialysis Technology II	2
	DTP 4	Vocational Practical	12
V	GE 5.1	Digital Literacy	4
	GE 5.2	Health and Wellness	4
	GE 5.3	Personal Grooming	4
	DT 9.3	Applied Dialysis Technology III	2
	DT 12.1	Clinical Dialysis I	2
	DT 13	Renal Nutrition.	2
	DTP 5	Vocational Practical	12
VI	GE 6.1	Entrepreneurship	4
	GE 6.2	Employment Readiness	4
	GE 6.3	Effective Workplace Skills & Competencies	4
	DT 14	Advance Dialysis Technology	2
	DT 12.2	Clinical Dialysis II	2
	DT 15	Instrumentation	2
	DTP 6	Vocational Practical	12

Programme fees: Rs. 48,000/-per annum

Examination fees: Rs. 1,600/- per semester and Rs. 3200 per annum

Caution Deposit (Refundable): Rs.5000

Note: Maharashtra Paramedical Council approval is in process for Healthcare programmes

