



Dayananda Sagar
University Bengaluru

DSU *live the dream*



School of Allied Health Sciences **School of Basic & Applied Sciences**

A FOUNDATION FOR THE FUTURE

www.dsu.edu.in

GREAT LEGACY



Late Shri R. Dayananda Sagar



Late Dr. Chandramma Dayananda Sagar

The Founder President of Dayananda Sagar Institutions, Late Shri R. Dayananda Sagar and Late Dr. Chandramma Sagar had a great vision: Education for all sections of society.

They set up the Mahatma Gandhi Vidya Peetha Trust (MGVP); which started as a one-college campus and is today a multi location destination to thousands of young men and women who walk into the Dayananda Sagar campuses in pursuit of a dream and march out as confident citizens, ready to absorb the challenges and opportunities of an exciting new world.

Dayananda Sagar Institutions, played an important part in creating history enabling easy access to good and quality education by all, winning the hearts of many, far and wide. Reflecting that legacy is Dayananda Sagar University.

THE LEADERSHIP



Dr. D. Hemachandra Sagar
Chancellor and Founder



Dr. D. Premachandra Sagar
Pro Chancellor and Founder

They are thinkers, planners, institution builders. By profession they are medical doctors, enriched with insights gained from hands-on work experience, learning and sharing through interaction. Accomplished and widely travelled, they bring with them worldly wisdom in all that they do.



**You strive for excellence,
we offer nothing less**

Allied Health Sciences

The Health care sector is one of the rapidly growing industries and India is becoming global health care hub. The health care system in the country remains unable to meet the health needs of the populations because of many factors, most prominent being acute shortage of skilled manpower. Availability of human resources at all levels of the health care system is extremely essential in moving towards the larger goal of universal health coverage.

Allied Health science is newly established concept in health care and constitutes to be a separate stream of health professionals contributing to health care. Allied Health science professionals are an integral part of the medical team along with physicians and nurses contributing their expertise to preventive, curative and rehabilitative care of the patients. These candidates are enabled to assist confidently in technology driven medical procedures.

The courses provide a board based foundation in global and national health care issues & trends, ethical & legal issues, health promotion & disease prevention, evidence based practice, allied health care research, health care system management & health care based informatics. With the enormous development in the health care industries , these graduates will be much in demand both within the Country and outside as Medical Technologists .



Unique excellence in education research and outreach for the protection, restoration and promotion of health, an objective of strengthening of health care to the world.



Inspire students to commit to life-long learning and ethical values while also promoting service with integrity and honor as competent and skilled professionals in Health care sector.

B.Sc. Allied Health Sciences or Bachelor of Science in Allied Health Sciences is a four year graduate program including one year internship.

TITLE OF THE COURSE	BRIEF DESCRIPTION ABOUT THE COURSE
<p>B.Sc. Medical Laboratory Technology</p>	<p>Medical laboratory Technology professional is a person who performs clinical test on specimens of bodily fluids and tissues in order to get information about the health of a patient or cause of death.</p> <p>Curriculum Includes Anatomy, Physiology, Biochemistry, Microbiology, Pathology.</p> <p>Employment Areas Hospitals, Diagnostic Centre, Clinics, Research Organizations, Industries, Colleges.</p>
<p>B.Sc. Emergency & Trauma Care Technology</p>	<p>Emergency & Trauma Care Technology Professional is a person who provides diagnostic, curative and preventive medical services under the supervision of medical doctors and applies advanced clinical procedures for treating and preventing injuries and other physical impairments.</p> <p>Curriculum Includes Anatomy, Physiology, Biochemistry, Microbiology, Pathology, Pharmacology, Emergency Medical Services & Equipment, Medical, Surgical & Trauma, Pediatric & Special Population Emergencies.</p> <p>Employment Areas Hospitals , Medical Institutions.</p>
<p>B.Sc Anesthesia & Operation Theater Technology</p>	<p>Anesthesia & Operation Theater Technology professional is a person who is a member of a multidisciplinary team in the operation theatres, who prepares and maintains an operating theatre, assists the anesthetist and surgical team during peri-operative period and provides support to patients in the recovery room and the main role includes the setup, check, and maintains anesthesia equipment, preparation of operation room and table, management of the central sterile services department functions, assistance in emergency situations and disaster preparedness and support of the surgeons and anesthetists in any other related clinical area.</p> <p>Curriculum Includes Anatomy, Physiology, Biochemistry, Microbiology, Pathology, Pharmacology, Medicine, Clinical, Applied & Advanced Anesthesia & operation Theater Technology.</p> <p>Employment Areas Hospitals , Medical Institutions</p>

TITLE OF THE COURSE	BRIEF DESCRIPTION ABOUT THE COURSE
<p>B.Sc. Medical Imaging & Radiology Technology</p>	<p>Medical Imaging and Radiology Technology Professionals include persons who tests and operate radiographic, ultrasound and other medical imaging equipment to produce images of body structures for the diagnosis and treatment of injury, disease and other impairments or administers radiation treatments and monitor patients' conditions with training in medical technology, radiology, sonography, mammography, nuclear medical technology, Magnetic Resource Imaging, Dosimetry or radiotherapy, under the supervision of a radiologist or other medical professional.</p> <p>Curriculum Includes Anatomy, Physiology, Biochemistry, Microbiology, Pathology, Radiation Physics, Imaging Physics, Diagnostic Techniques, Special Procedures, Patient Care.</p> <p>Employment Areas Hospitals, Diagnostic Centre, Research Organizations, Industries, Colleges.</p>
<p>B. Sc.Renal Dialysis Technology</p>	<p>Renal Dialysis Technology Professional is a person who deals with dialysis therapy process and technology to ensure an effective dialysis therapy to the patient and maintain an artificial kidney machine, following approved methods.</p> <p>Curriculum Includes Anatomy, Physiology, Biochemistry, Microbiology, Pathology, Concepts of Renal disease, Basics & Applied Renal dialysis Technology.</p> <p>Employment Areas Hospitals, Diagnostic Centre, Research Organizations, Industries, Colleges.</p>
<p>Master's in Public Health</p>	<p>Public health programs demand special emphasis on study disease epidemiology, various determinants of health and emerging challenges in health, public policy making and program management. Public health professionals help in bridging the gap between the clinical and managerial aspects of the program implementation and provide techno – managerial inputs.</p> <p>Curriculum Includes Biostatistics, Epidemiology, Environmental & Occupational Health, Public Health Informatics, Public Health in Rural & Urban areas, Health Policy, Health Economics, Health Finance, Public Health Nutrition, Global Health & Diseases</p> <p>Employment Areas Epidemiologists, Program Officers, Project Consultants, National and International NGOs.</p>

Eligibility for Admission

BSc in Allied Health Sciences

A candidate seeking admission to the BSc. Medical Imaging & Radiology Technology, BSc Medical Laboratory Technology, BSc Anaesthesia & Operation Theatre Technology, BSc Renal Dialysis Technology, BSc Emergency & Trauma Care Technology shall have studied English as one of the principal subjects during the tenure of the course and shall have passed:

1. Two-year Pre-University examination or equivalent as recognized by Dayananda Sagar University with Physics, Chemistry and Biology as major subjects of study.

OR
2. Pre-Degree course from a recognized University considered as equivalent by Dayananda Sagar University, (Two years after ten years of schooling) with Physics, Chemistry and Biology as subjects of study.

OR
3. The vocational higher secondary education course conducted by Vocational Higher Secondary Education, Government of Kerala with five subjects including Physics, Chemistry, Biology and English in addition to vocational subjects conducted is considered equivalent to plus TWO examinations of Government of Karnataka Pre University Course.

Note:

The candidate shall have passed individually in each of the subject and have scored minimum 40% of marks in Physics, Chemistry & Biology. Candidates who have completed diploma or vocational course through Correspondence shall not be eligible for any of the courses mentioned above.

Duration of the Course:

Duration shall be for a period of four years including one year of Internship.

Medium of Instruction:

The medium of instruction and examination shall be in English.

B. Duration of the Course:

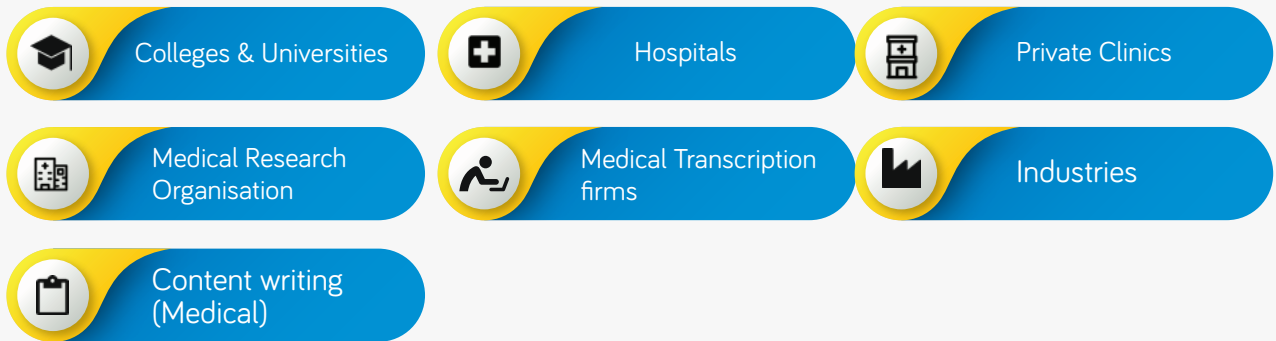
Duration shall be for a period of four years including one year of Internship.

C. Medium of Instruction:

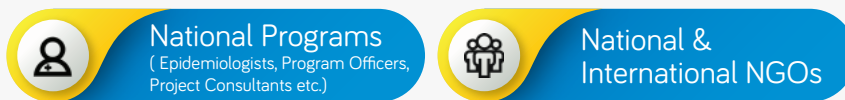
The medium of instruction and examination shall be in English.



B.Sc Allied Health Sciences Employment Areas.



Masters in Public Health Employment Areas



Internship / Recruitment Partner



Science is a way of thinking
much more than it is a
body of knowledge

-Carl Sagan-



Master's in Public Health

Eligibility for admission

A candidate seeking admission to Masters in Public Health should have a degree in MBBS or BDS or BAMS or B.Sc Nursing or BPT or B.Pharm with minimum 50% marks from a University established under law considered equivalent by Dayananda Sagar University.

Duration of the course:

Duration shall be for a period of two years.

Medium of instruction:

The medium of instruction and examination shall be in English.





SCHOOL OF - BASIC AND APPLIED SCIENCES

B.Sc / M.Sc / Ph.D

The School of Basic & Applied Sciences has been established in DSU with the objective of introducing new courses in Basic Sciences at undergraduate, postgraduate and research levels. The School is equipped to carry out both teaching and research through its various departments namely Chemistry, Biochemistry, Biotechnology, Microbiology and Genetics. The School also offers Ph.D programmes in the respective disciplines.

The School has developed syllabi of various courses that are being designed as core science and interdisciplinary topics that would serve as a launching pad for attractive career opportunities in academia and industry.

An excellent group of highly qualified, experienced and research-driven faculty provides the platform needed for the student to blossom into a well informed and intensively trained professional to suit the needs of industry and scientific organizations. State-of-the-art laboratories and well equipped libraries cater to the needs of the students. Emphasis is laid on continuous evaluation of students.

The Faculty has been actively engaged in research and has availed research grants from Central as well as State Government funding agencies. Some of the ongoing funded projects include: Isolation and Characterization of Cryptic Peptides from Marine Waste, Molecular Characterization of Canine Papilloma Virus, Biofuels from Agricultural waste and Characterization of Anti-venom compounds from folk medicine. The School with all its facilities assures holistic development of the student community.

Bachelor of Science(B.Sc.) in Life Sciences

Triple major combinations are offered:

- Biotechnology, Biochemistry and Genetics
- Biotechnology, Microbiology and Chemistry
- Biochemistry, Microbiology and Genetics

Duration

3 Years (6 Semesters).

Eligibility:

Pass in PUC / CBSE/ ICSE or equivalent examination with Biology as one of the compulsory subjects in the qualifying examination. Students who have not studied Chemistry with Biology in the qualifying examination are to undergo a short term remedial course of 2 months duration in Chemistry to qualify for admission to the UG programme. The course will be conducted two months before the commencement of regular academic programs.

Admission Process:

Academic scores of Plus 2 examinations & weightage for sports and other accomplishments.

Master of Science(M.Sc.) in Life Sciences

- M. Sc. in Biotechnology
- M. Sc. in Microbiology
- M. Sc. in Biochemistry

Duration:

2 Years (4 Semesters)

Eligibility for admission to M. Sc. Microbiology / Biotechnology:

1. B.Sc. Degree of any University with any Life Science subject securing 45% marks in aggregate of all optional subjects.
2. Students who have passed B. Sc. - Biotechnology / B. Sc. - Biotechnology (integrated) and scored 45% marks in the aggregate.
3. Students who have passed B. Sc. - Honours in Biotechnology, Microbiology, Botany, Zoology or Biology are also eligible with 45% marks in aggregate of all the optional subjects. Graduates with 50% marks in aggregate from Agricultural Science, Dairy Sciences, Horticulture, Forestry, Fisheries, Pharmaceutical Sciences, Engineering (Biotechnology), Medicine / Dental, Clinical Lab Techniques and Agricultural Engineering are also eligible.

Eligibility for admission to M. Sc. Microbiology / Biotechnology:

Candidate must have studied Chemistry or Biochemistry as one of the cognate subjects securing 45% marks at B. Sc. level or any of the following courses with 45% in aggregate:

- a) Bachelor of Pharmaceutical Sciences
- b) Bachelor in Agriculture
- c) Bachelor in Nursing
- d) Bachelor in Engineering (Biotechnology)
- e) Bachelor in Veterinary Sciences

Admission Process:

Academic scores of Bachelor examinations & weightage for sports and other accomplishments. For SC/ST candidates, the eligibility criteria will be 40% for all the M.Sc courses.

Ph.D



A student can enroll for PhD programme after clearing the university PhD entrance examination or on submitting a valid UGC / CSIR (JRF) / GATE / SLET / NET Examination score card / M. Phil degree.



HEALTH SCIENCES - PHARMACEUTICAL SCIENCES

Pharmacy as a subject of study and practice leads to an exciting profession within the domain of medicine, opening up opportunities to work with doctors, nurses and patients, drug developers, scientists and researchers.

Pharmacists have found greater acceptance as key knowledge providers to medical practitioners; on a real-time dynamic basis. Doctors, thus, spend time on a regular basis to stay abreast on the drug development scenario while also giving feedback on the various noticeable changes or reactions to specific drugs on

particular patients. This exchange of data, leads to the effective management of diseases thus ensuring better health care services to the society from a Pharmacist.

Pharmacists with strong technical knowledge and also spending considerable time on field, in sales and distribution, gain diverse experience of knowing the markets in the healthcare industry. Backed by this integrated knowledge a Pharmacist could soon rise to occupy key leadership positions in large drug manufacturing companies or in major drug distribution sectors.

Many Pharmacists have become great health care administrators in large hospitals, Government and other private sectors. Academics and research has a huge shortage of Pharma specialists across the world. The opportunities are vast, for future pharmacy professionals

Pharma education is special at DSU with students and faculty working closely with the schools of Medicine, Bio-sciences, Dentistry, Nursing, the Sagar Hospitals and several other Centres of Excellence in the health care domain. The labs in each of the departments are state-of-the-art providing great opportunity for interdependence, optimising resources and sharing people expertise.

The School offers Doctoral Programmes (PhD) and Doctor of Pharmacy (Pharm D) as also the regular Bachelor and Masters courses in Pharmaceutical Sciences. Well laid-out classrooms, labs, a distinguished group of academicians and industry professionals make up for the faculty.

B.Pharm

Duration:

4 years

Eligibility

Pass in PUC / CBSE / ICSE or 10+2 equivalent examination with minimum of 40% marks aggregate for GM candidates (35% for SC / ST, Category 1, 2A, 2B, 3A & 3B candidates) in PCM / PCB or PCMB, PC & Comp. Sc, PC & Electronics.

Or

A Diploma in Pharmacy Examination from an Institution approved by the Pharmacy Council of India.

Lateral Entry

(2nd Year B.Pharm) Duration: 3 years

Eligibility:

A Diploma in Pharmacy Examination from an Institution approved by the Pharmacy Council of India.

Pharm.D

Duration:

6 years

Eligibility

Pass in PUC / CBSE / ICSE or 10+2 equivalent examination in PCM / PCB.

Or

A Diploma in Pharmacy Examination from an Institution approved by the Pharmacy Council of India.

M.Pharm

Duration:

2 years

Specialties :

- a. Pharmaceutics
- b. Pharmacology

Eligibility:

Pass in Bachelor's in Pharmacy (B.Pharm) with a minimum of 55% in aggregate from a recognized Indian University- as per Pharmacy Council of India regulations.



HEALTH SCIENCES - NURSING

Nursing - B.Sc / M.Sc.

“ Kindness is a language which the deaf can hear and the blind can see ”

-Mark Twain-

Nursing Programme in Dayananda Sagar University is a practical degree programme designed for individuals who are committed to the advancements of the health of individuals, families, communities and society as a whole.

College of Nursing Sciences, DSU supports the vision and mission of the University. It is a dynamic and evolving organization which will prepare competent professional graduate nurses for diverse health care delivery and leadership roles. The college is committed to provide quality nursing education in accordance with international nursing education standards.

Our Students will study a range of courses from medical and behavioral sciences to nursing sciences, and will also be given practical lessons ranging from simulation training to the use of clinical and medical equipment. We aim to expand our students learning experience beyond classroom and provide them with various opportunities to explore their passion into nursing.

At the end of the programme, students will be accoutered with the knowledge and skills to deliver comprehensive nursing care in various settings and thus be irreplaceable assets to the health care industry –both nationally and internationally.

B.Sc. NURSING

Duration:

4 Years. (8 Semesters)

Requirement:

- The minimum age for admission should be 17 years on 31st December of the year in which admission is sought
- 10+2 class passed with Science (PCB) & English Core/English Elective with aggregate of 45% marks from recognized board under AISSCE / CBSE / ICSE / SSCE / HSCE or other equivalent Board
- Student should be medically fit
- Students appearing in 10+2 examination in Science conducted by National Institute of Open School with 45% marks



M.Sc. NURSING

Duration:

2 Years (4 Semesters)

Specialties :

- Medical Surgical Nursing
- Community Health Nursing
- Obstetrics & Gynecological Nursing
- Pediatric Nursing
- Psychiatric Nursing

Requirement:

- The candidate should be a Registered Nurse and Registered midwife equivalent with any State Nursing Registration Council
- The minimum education requirements shall be on the successful completion of: B.Sc Nursing/B.Sc Hons. Nursing/Post Basic B.Sc Nursing with minimum of 55% aggregate marks
- The candidate should have undergone B.Sc Nursing / B.Sc Hons. Nursing / Post Basic B.Sc Nursing in an institution which is recognized by Indian Nursing Council
- Minimum one year of work experience after Basic B.Sc Nursing
- Minimum one year of work experience prior to or after Post Basic B.Sc Nursing



HEALTH SCIENCES - PHYSIOTHERAPY

Physiotherapy - BPT / MPT

Physiotherapy, as a profession, dates back to the beginning of the 20th century; Physiotherapy has continued to evolve and to respond to the needs of society, with physio therapists now practicing in a variety of clinical settings with unprecedented levels of professional responsibility.

Physiotherapy is a non-invasive discipline that helps individuals develop, maintain and restore maximum body movement and physical function. Physiotherapy can help clients recover from an injury, relieve pain, prevent future injury or deal with a chronic condition. It can be applied at any age or stage of life. The ultimate goal of Physiotherapy is to improve health and quality of life.

Physiotherapists are integral members of the primary care team and are involved in prevention of disability and promotion of positive health, and acting as consultants in restorative care. Physiotherapist practice today is based on a well-developed body of scientific and clinical knowledge. Physiotherapists also apply knowledge from the basic, behavior and social sciences. Physiotherapists are autonomous professionals, able to act as first contact practitioners accepting referrals as well as referring patients to other health care professionals.

The faculty demonstrates a pattern of activity that reflects a commitment to excel in meeting the expectations of the institution, the students, and the profession. The academic environment provides students with opportunities to learn from and be influenced by knowledge outside of, as well as within, physiotherapy. In this environment, students become aware of multiple styles of thinking, diverse social concepts, values, and ethical behavior that will help prepare them for identifying, redefining, and fulfilling their responsibilities to society and the profession. Of major importance is emphasis on critical thinking, ethical practice, and provision of culturally competent service to meet the changing needs of society.

BPT

Duration:

4 Years and 6 months (including six months of compulsory rotating internship).

Requirement:

Requirement:

Plus Two with Physics, Chemistry and Biology with a minimum of 40% marks in PCB with English as a subject. Candidates with 40% in PCB in 10+2 examinations conducted by National Institute of Open Schooling are also eligible. SC/ST Candidates with 35% in PCB are also eligible.

MPT

Duration:

2 Years (4 Semesters)

Requirement:

BPT degree from a recognized university.

Admission Process:

A pass in Bachelor's in Physiotherapy with 50% marks from a recognized university.

Specializations :

Orthopedics, Neuro Sciences, Cardiopulmonary Sciences, Community Physiotherapy, Women's Health and Pediatrics





Dayananda Sagar
University Bengaluru



DSU live the dream



Internship / Recruitment Partner



All programs under school of allied health sciences will be executed at DSU Campus 1- School of Medicine Dr. Chandramma Dayananda Sagar, Institute of Medical Education & Research, Deverakaggalahalli, Kanakapura Road, Ramanagara Dt, Karnataka - 562 112.

Hostel & Transportation Facilities Available



DSU Campus 1- School of Medicine
Dr. Chandramma Dayananda Sagar
Institute of Medical Education & Research
Deverakaggalahalli, Kanakapura Road, Ramanagara Dt.,
Karnataka - 562 112.

**DSU Campus 2: Innovation Campus Main Admission's &
Administrative office, Kudlu Gate, Hosur Main Road,
Bengaluru - 560114**

www.dsu.edu.in

DSU City Admission's Office: Gate 2, University Building,
Dental Block, 6th Floor, Shavige Malleshwara Hills,
Kumaraswamy Layout, Bengaluru - 560111



Admission's Helpline:

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