

B. Sc Nursing Syllabus (Years Wise)

The total duration of the BSc Nursing course is four years with two semesters per year. Universities across India must follow the I.N.C. mandated curriculum while preparing their B. Sc Nursing Syllabus for both theory and practical exams. The syllabus for each year has a different objective to equip students with relevant knowledge.

The year wise breakdown of the syllabus is as follows:

➤ BSc Nursing Syllabus 1st Year

The first year BSc Nursing Syllabus focuses on enhancing the foundation required for the nursing profession. Subjects like human anatomy and physiology are covered in 1st year as Nurses must be familiar with all aspects of the human body to aid doctors and participate in patient care. The BSc Nursing syllabus for 1st Year is as follows:

B.Sc. Nursing Syllabus

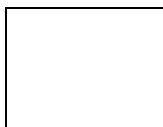
BSc Nursing Syllabus 1st Year		
Semester	Subject	Topics
Semester I	General Science	<p>Physics: Units and measurements, kinematics, laws of motion, work and energy, gravitation, thermodynamics, properties of matter, oscillations, waves.</p> <p>Chemistry: Structure of atom, chemical bonding, thermodynamics, equilibrium, periodic properties, redox reactions, states of matter.</p> <p>Biology: Cell structure and function, plant tissues, human physiology (digestive, respiratory, nervous systems), genetics, human health and diseases.</p>
	Communicative English	<p>Basic grammar and sentence construction. Listening skills (attentive listening in different contexts). Speaking skills (conversational English for professional settings). Writing skills (formal letters, patient documentation, reports).</p>
	Applied Anatomy & Physiology	<p>Anatomy: Cell structure, tissues, skeletal system, muscles, respiratory system, cardiovascular system, digestive system, reproductive system, nervous system, sensory organs.</p> <p>Physiology: Functioning of body systems, homeostasis, respiratory system, blood composition, circulatory system, endocrine system, and nervous system.</p>
	Applied Sociology & Psychology	<p>Sociology: Social institutions, family structure, community health, role of a nurse in healthcare.</p>

		Psychology: Concepts of behavior, mental health, developmental psychology, theories of personality, learning, emotions, cognition, motivation.
	Nursing Foundations I	Introduction to nursing concepts, professional values and ethics, health and illness concepts. Basic nursing procedures: handwashing, bed making, personal hygiene care, patient safety, vital signs measurement. First aid and emergency nursing.
Semester II	Applied Biochemistry	Biochemistry of carbohydrates, proteins, lipids, enzymes, vitamins, and minerals. Acid base balance and electrolyte metabolism.
	Applied Nutrition & Dietetics	Nutrition in health and disease, balanced diets, food safety, nutritional needs for different age groups. Therapeutic diets and dietary modifications for disease conditions.
	Nursing Foundations II	Advanced nursing skills: patient positioning, bandaging, catheterization, medication administration. Oxygen therapy, wound care, IV therapy, nasogastric feeding. Patient mobility, hygiene, communication in healthcare.
	Introduction to Community Health Nursing	Principles of public health, primary healthcare, family health, communicable diseases, environmental health. Health policies, national health programs, healthcare delivery systems.

B.Sc Nursing Syllabus 2nd Year

In the second year, the BSc Nursing Syllabus covers topics such as Psychiatric Nursing, Medical Surgical Nursing, and Nursing Approaches for multiple diseases. In the second year, Nurses learn more about various facets of this profession and get a comprehensive view of all possible situations during their duty. The BSc Nursing Syllabus for 2nd Year is as follows:

BSc Nursing Syllabus 2nd Year		
Semester	Subject	Topics
Semester III	Applied Microbiology & Infection Control	Microbial world: classification, characteristics, pathogenic microorganisms. Infection control practices: hand hygiene, sterilization, disinfection, waste management. Immunology and body defenses.
	Pharmacology I	Introduction to pharmacology, routes of drug administration. Pharmacokinetics and pharmacodynamics. Drug classifications and their actions.
	Pathology I	Introduction to pathology: cell injury, inflammation, healing and repair. Fluid and electrolyte imbalances. Basic concepts of neoplasia.
	Adult Health Nursing I (Medical Surgical Nursing)	Medical surgical nursing concepts, perioperative care, nursing care of patients with respiratory, cardiovascular, gastrointestinal, and renal disorders. Introduction to intensive care, critical care nursing.
	Professionalism, Ethics & Bioethics	Professional behavior and nursing ethics, moral reasoning, patient rights, ethical dilemmas in healthcare.
	Pharmacology II	Drugs affecting the nervous system, cardiovascular system, respiratory system, endocrine system. Chemotherapeutic agents, analgesics, antibiotics, and antivirals.
Semester IV	Pathology II & Genetics	Hematology, disorders of the blood. Inherited genetic disorders, chromosomal abnormalities.
	Adult Health Nursing II (Medical Surgical Nursing with Geriatrics)	Geriatric nursing, care of the elderly. Nursing management of patients with musculoskeletal, endocrine, and integumentary disorders.
	Educational Technology/Nursing Education	Teaching learning principles, educational methods, curriculum development, evaluation techniques. Use of audiovisual aids in nursing education.



B.Sc Nursing Syllabus 3rd Year

In the third year, the BSc Nursing Syllabus covers broad aspects of Nursing related to Public Health, Health Administration, and Social Medicine. During this year, students learn in detail about how to manage patients in multiple settings. BSc Nursing Syllabus in the 3rd year aids in developing communication skills and administration. The BSc Nursing Syllabus in 3rd Year is as follows:

BSc Nursing Syllabus 3rd Year		
Semester	Subject	Topics
Semester V	Child Health Nursing I	Growth and development of children, pediatric nursing care for common diseases, newborn care, immunization, nutritional needs of children.
	Mental Health Nursing I	Introduction to psychiatric nursing, mental health assessment, communication skills, nursing care for patients with anxiety disorders, mood disorders, schizophrenia, and substance abuse.
	Nursing Management & Leadership	Leadership and management principles, organizational behavior, human resource management, nursing administration, conflict resolution, budgeting.
	Nursing Research & Statistics	Introduction to research, research process, study designs, sampling techniques, data analysis, use of statistics in nursing research.
	Health/Nursing Informatics & Technology	Use of technology in healthcare, electronic health records, telemedicine, data privacy and security in nursing.
Semester VI	Child Health Nursing II	Advanced pediatric nursing care, congenital disorders, childhood cancers, special care for high-risk neonates.
	Mental Health Nursing II	Nursing care for patients with personality disorders, organic mental disorders, mental health rehabilitation, therapeutic communication techniques.
	Community Health Nursing I	Epidemiology, health education, community diagnosis, family planning, national health programs, health promotion and disease prevention.
	Midwifery/Obstetrics & Gynecology I	Antenatal care, labor and delivery, postpartum care, family planning, reproductive health, nursing management of complications in obstetrics.

B.Sc Nursing Syllabus 4th year

The fourth year of the BSc Nursing Syllabus is all about the practical aspects of clinical nursing and the principles of this profession. In the final year of BSc Nursing students are groomed through Medicolegal Aspects of MCH services, Research, and Statistics. In 4th year students learn spoken English, letter writing, English Grammar, and the fundamentals of computers relevant to nursing. BSc Nursing Syllabus 4th Year is as follows:

This table outlines the subjects and key topics for both Semester V and Semester VI

BSc Nursing Syllabus 4th year		
Semester	Subject	Topics
Semester VII	Community Health Nursing II	Advanced community health nursing, rural and urban health systems, role of the community health nurse in communicable and noncommunicable diseases, health policy advocacy, health program evaluation.
	Midwifery/Obstetrics & Gynecology II	High-risk pregnancies, obstetric emergencies, neonatal intensive care, gynecological disorders, family welfare services, health education for women and families.
	Internship/Residency	Intensive clinical postings in various areas including community health nursing, adult health nursing, child health nursing, mental health nursing, midwifery, and other relevant settings.
Semester VIII	Internship/Residency (Continued)	Continuing clinical practice and residency in specialized areas, preparation for professional practice, integration of nursing knowledge and skills, final evaluations and assessments.

BSc Nursing Syllabus for Practical Subjects

The practical subjects are designed to impart relevant skills applicable to the Nursing profession. The practical subjects are distributed across 8 semesters following theoretical learning. The course curriculum for practical subjects is prepared as per the INC syllabus. The table below outlines the key practical subjects that are taught in leading BSc Nursing Colleges across India.

BSc Nursing Syllabus for Practical Subjects	
Nursing Foundation	Medical Surgical Nursing
Introduction to Research and Statistics	Nursing Administration
Research Project on Nursing	Mental Health Nursing
Midwifery and Obstetric Nursing	Community Health Nursing