

JOB PROSPECTS IN PHARMACY AFTER 12th

The Role of a Pharmacy student (D.Pharm, B.Pharm, M.Pharm, etc.) has always been of great importance in the modern society. Be it in the field of health as a Hospital Pharmacist or Recruitment of Pharmacist in other Government organizations, in the industrial world as Production, QA, QC or R&D Officer or in the field of Public Relations as a Representative/Managers to various national and international pharmaceutical firms, Pharmacy Students have always been an excellent asset for the Healthcare Network.

Over the years, pharmacy students have been instrumental in discovering and developing innovative drugs that save thousands of people's lives and improve the quality of life for many others. They can pursue a variety of jobs as well. They are employed by pharmaceutical companies, they work as pharmacists and as researchers and Professors at universities, as regulatory scientists for agencies like the Food and Drug Administration (FDA), and as Researchers at National laboratories such as the National Institutes of Health (NIH).

Pharmacy deals with the Preparation, doses, dispensing and effects (including safety) of medicines (or medicinal drugs or drugs). In a broad sense, Pharmacy (or Pharmaceutical Sciences) is a marriage between Health Sciences and Chemistry. We deal with the core subjects are **Human Anatomy & Physiology** (Human Biology including Pathophysiology), **Pharmaceutical Chemistry** (including Physical Chemistry, Inorganic Chemistry, Organic Chemistry, Analytical Chemistry, and Medicinal Chemistry), **Pharmaceutics** (deals with formulation, drug delivery, drug stability, dosage forms, patient acceptance etc.), **Pharmacology** (the study of effects of drugs on the human body and biological systems—a mixture of biology, physiology, and chemistry; will cover both basic, advanced and clinical pharmacology), **Pharmacognosy** (the study of medicinal drugs derived from plants; deals with botany, plant science, and phytochemistry), **Biochemistry** (the study of biological reactions within living organisms), **Microbiology** (the study of micro-organisms like bacteria, virus, protozoa etc.), **Pharmaceutical Engineering & Technology** (deals with basic concepts of Chemical Engineering—e.g. Fluid Dynamics, Process Chemistry and Industrial Processes

Pharmacy Education selection is always a worth selection to choose a bright career. After the completion of D. Pharm, B. Pharm and M. Pharm degree there are various opportunities for students, they can either go for higher studies degrees for improving their skills and up-gradation of their degree or they can go for jobs in the chemical companies, Research institutes, Pharma companies, even universities and colleges.

Even this is not all, the career opportunities for a pharmacy student is so diverse that it can't be summed up in a few paragraphs. So, we come up with this simple table which tries to summarize various career paths that a student can choose after successfully completing his pharmaceutical education.

PUBLIC SECTOR JOBS	PRIVATE SECTOR JOBS	INTERDISCIPLINARY AND INTERNATIONAL AREAS
DRUG ADMINISTRATOR IN CDSCO AND STATE DRUG REGULATORY AGENCIES	WHOLESALE PHARMACIST	CLINICAL PHARMACIST
DRUG INSPECTOR	RETAIL PHARMACIST	HOSPITAL PHARMACIST
ZONAL LICENSING AUTHORITY	PRODUCTION EXECUTIVE AND OFFICER	PHARMACY TECHNICIANS
RAILWAY HOSPITAL PHARMACIST	PRODUCT MANAGEMENT EXECUTIVE	COMMUNITY PHARMACIST
ESIC HOSPITAL PHARMACIST	MEDICINE REPRESENTATIVE	PHARMACIST ASSISTANT
ARMY HOSPITAL PHARMACIST	MANUFACTURING EXECUTIVE	PHARMACIST IN CHARGE
PHARMACIST IN DRUG DISTRIBUTION CENTRE	QUALITY ASSURANCE OFFICER	ANALYTICAL CHEMIST
BENCH CHEMIST AT CDRI & CDL	QUALITY CONTROL EXECUTIVE AND OFFICER	CONSULTANT CHEMIST

PHARMACIST AT PHCS, CHCS & OTHER HEALTHCARE UNITS	ANALYST IN PRIVATE DRUG TESTING LABS	PATIENT COUNSELLOR
NHM, NRHM PHARMACIST	FORMULATION RESEARCH AND DEVELOPMENT	HEALTH INSURANCE COORDINATOR
OTC DRUG PHARMACIST	ANALYTICAL RESEARCH AND DEVELOPMENT	PRESCRIPTION AUDIT DEPARTMENT
PATENT AUTHORITY	RESEARCH AND DEVELOPMENT OFFICER	PHARMACIST IN SPECIAL CARE DIVISIONS
STORE KEEPER	ACADEMICIAN IN PRIVATE PHARMACY EDUCATIONAL INSTITUTIONS	DRUG AND THERAPEUTIC COMMITTEE
IPR AGENCIES	PHARMACEUTICAL PLANT MANAGER	HUMAN ETHICS COMMITTEE
SCIENTIST IN GOVT. RESEARCH LABS	PHARMACOVIGILANCE EXECUTIVE	MEDICAL CODING AND WRITING
OVERSEER OF GOVT. OPIOID FACTORIES	CLINICAL RESEARCH COORDINATOR	NUTRITION SUPPORT PHARMACY
SAIL PHARMACIST	CLINICAL TRIAL COORDINATOR AND SUPERVISOR	AMBULATORY CARE PHARMACY
PM JAN AUSHADHI KENDRA PHARMACIST	MEDICAL WRITING EXECUTIVE	PEDIATRIC PHARMACIST
EMERGENCY MEDICAL TECHNICIAN IN 108 AMBULANCES	MEDICAL CODING EXECUTIVE	VETERINARY PHARMACIST
RBSK & RNTCP TECHNICIANS	AREA SALES MANAGER	HOMEOPATHIC PHARMACIST
GOVT. ANALYST	RESEARCH ASSOCIATE	AYURVEDIC PHARMACIST
DRUG INFORMATION SERVICES	LABORATORY TECHNICIAN IN EDUCATIONAL INSTITUTIONS	NUCLEAR PHARMACIST

SAMPLE ASSISTANT	DRUG SAFETY ASSOCIATE	HOME HEALTH PHARMACIST
GENERIC DRUG STORE	SCIENTIST IN PRIVATE LABS	DRUG STORE BUSINESS MANAGEMENT
PHARMACY ACADEMICIANS IN MEDICAL AND PHARMACY COLLEGES	RESEARCH PAPER REVIEWER AND EDITOR	DIET COUNSELLOR