



Leading the Way in
**Pharmaceutical
Innovation**

DBS School of
Pharmacy and Research



DBS School of Pharmacy and Research

DBS School of Pharmacy and Research offers Diploma, Undergraduate, Postgraduate & Ph.D. programs that prepare students to become pharmacists or pharmaceutical professionals.

These programs cover a range of subjects related to pharmaceutical science, patient care and medication management.

Diploma In Pharmacy (D. Pharm) After 12th

D.Pharm Program at DBS School of Pharmacy and Research is a two-year career oriented diploma program approved by Pharmacy Council of India (PCI).

Students interested in pursuing a long-term career in the field of Pharmacy and beginning a career in the Pharmaceutical sector can enroll in the D. Pharm Program.

This Program provides a strong foundation in Pharmaceutical knowledge and skills preparing students for roles as Hospital Pharmacist, Community Pharmacist, Medical Representative and Pharmaceutical Industries.



Curriculum

D. Pharm Program covers a range of subjects related to Pharmaceutical sciences and Pharmacy practice.

Common Subjects includes:

- **Pharmaceutics:** Study and Practices of preparation and dispensing of medications.
- **Pharmaceutical Chemistry:** Understanding the composition and properties of pharmaceuticals.
- **Pharmacology:** Learning about the mechanism of action and therapeutic uses of drugs.
- **Pharmacognosy:** Study of medicinal plants and natural sources of drugs.
- **Pharmaceutical Jurisprudence:** Exploring pharmacy laws, Ethics and Regulations.
- **Hospital Pharmacy:** Focusing on Pharmacy practices within a Hospital Setting.
- **Clinical Pharmacy:** Understanding the role of Pharmacist in patient counseling & drug information.

Eligibility Criteria for D. Pharm:

The eligibility criteria for admission to the D. Pharm program require that the candidate must have passed the 10+2 examination in the science stream with Physics and Chemistry as compulsory subjects, along with either Biology or Mathematics. The qualifying examination must be from a recognized board such as CBSE, ICSE, or any state board. Candidates are generally required to have secured a minimum of 50% aggregate marks, as per the norms of the Pharmacy Council of India or the respective state authorities. The minimum age for admission is typically 17 years.



USPs of the Program



Practical Experience

D.Pharm Program provides hands on training in dispensing, compounding and patient counseling. Students gain exposure to hospital and community Pharmacy setting, Learning and Handling of prescription and drug interactions. This experience enhances their understanding of pharmacological concepts through real-world application preparing them for professional roles in health care and medication management.



Licensing and Certification

Graduates can register with the State Pharmacy Council & obtain a license to practice as a registered pharmacist. A registered pharmacist can work as professionals in community pharmacist, Hospital Pharmacist, Pharmaceutical Industries and Government Sector.



Career Opportunities

Individuals with a D. Pharm qualification can find employment in various healthcare settings such as community pharmacies, Hospital Pharmacies, Retail Pharmacies and Pharmaceutical Companies. Their Responsibilities include monitoring and evaluating the safety of medications, ensuring Adverse drug reactions are reported and analyzed.

Career Path After D. Pharm Program

1) Community or Retail Pharmacist

2) Hospital Pharmacist

3) Pharmaceutical Industry Jobs

- i. Production
- ii. Quality Control
- iii. Packaging and Labeling Operator
- iv. Regulatory Affair

4) Medical Representative (MR)

5) Pharmacy Assistant in Government Sector

- i. Defence- Army, air force and Navy
- ii. Para-military
- iii. Railway
- iv. Hospitals
- v. PSUs



B. Pharm.

B. Pharm. is a four year graduation program that provides in-depth knowledge of pharmaceutical sciences. It prepares the students in the fields of healthcare, research, industry, marketing, clinical studies & regulatory affairs. Graduates can secure suitable positions in retail/hospital pharmacies, research institutions, governmental services and pharmaceutical organizations.

Curriculum

- **Pharmaceutical Chemistry:** Study of inorganic, organic chemistry, medicinal chemistry and analytical techniques.
- **Pharmacology:** Understanding mechanism of action, side effects, adverse & therapeutic uses.
- **Pharmaceutics:** Covers formulation of dosage forms, biopharmaceutics and industrial pharmacy.
- **Pharmacognosy:** Study of traditional medicine, drugs of natural origin, nutraceuticals, herbal preparations and Quality Control of crude drugs.
- **Hospital & Clinical Pharmacy:** Training in patient care, therapeutic management & drug interactions.
- **Microbiology & Biotechnology:** Study of microbes, detection and prevention of contamination, biological principles and biological products.
- **Regulatory Affairs & Ethics:** Covers pharmaceutical laws, regulatory compliance, ethical guidelines and intellectual property rights.
- **Pharmaceutical Analysis:** Advanced techniques for identification of drug, quality analysis and regulatory standards of quality.
- **Industrial & Research Exposure:** The students are regularly updated through frequent industrial visits, projects, guest lectures and expert talks.

Eligibility

● First Year B. Pharm:

Candidates must have passed the 10+2 (or equivalent) examination from a recognized state or central board, with **English**, and **Physics, Chemistry** and either **Mathematics, Biology**, or both as optional subjects. Any other qualification considered equivalent by the Pharmacy Council of India is also accepted.

● B. Pharm Lateral Entry (to Third Semester):

Candidates must have passed a **D. Pharm** course from an institution approved by the Pharmacy Council of India, as per Section 12 of the Pharmacy Act.



USPs

- Industry-synched curriculum & research exposure.
- Advanced laboratories with modern instrumentation.
- Close tie-ups with pharmaceutical companies, being located in Pharma City.
- Mandatory industrial internships every year.
- Preparation for Qualifying Examinations like DPPE, GPAT, etc.
- Strong placement support in leading pharmaceutical organizations.
- Expert sessions by industry, research & academic expert.



M.Sc. Pharmaceutical Chemistry

M.Sc. Pharmaceutical chemistry is a two years' full time program to impart effective knowledge, practical training, technical skills and industrial skills in pharmaceutical chemistry including aspects of synthesis, formulation, analysis and quality assurance of various pharmaceutical ingredients. Along with research abilities, ethics and professional values among the students. The students are made competent to face all types of challenges in the field of pharmaceutical industries.

Curriculum

The program covers key aspects of Pharmaceutical Sciences through an interdisciplinary approach, including:

- **Medicinal Chemistry:** Design and synthesize novel therapeutic agents targeting specific diseases.
- **Stereochemistry and Reaction Mechanisms:** Understand the three-dimensional structure of molecules and predict their reactivity to optimize drug design.
- **Analytical Techniques:** Master various analytical techniques, such as chromatography and spectroscopy to analyze and characterize drug molecules.
- **Pharmacology:** Gain insights into the action of drugs on living organisms to ensure safe and effective drug development.
- **Phytopharmaceutical and Nutraceuticals:** Explore the world of natural products and their potential for therapeutic applications.
- **Drug Design:** Utilize computational tools and strategies to design novel drugs with improved efficacy and reduced side effects.
- **Drug Delivery Systems:** Develop innovative strategies for delivering drugs to specific sites within the body, enhancing their effectiveness.
- **Biopharmaceutics:** Understand the relationship between a drug's physicochemical properties and its absorption, distribution, metabolism and excretion within the body.
- **Chemistry of Natural Products:** Delve into the fascinating world of natural products and their medicinal properties.
- **Herbal Drug Technology:** Develop your skills and knowledge in the field of medicinally important plant-based agents.



Career Path

The M.Sc. Pharmaceutical chemistry aspirants from DBS Global University are prone to higher and better quality of career opportunities in the field. When the course has been completed, the potential candidates with their given skill set and aptitude scores, can enter either of the following career paths –

- Scientist
- Sales and Marketing Manager
- Analytical Chemist
- Pharmaceutical research
- Entrepreneur
- Teaching
- Drug Regulatory Agency
- Drug Analyst
- Pharmaceutical Data Science Officer
- Quality Control and Quality Assurance Analyst

Future Scope after M.Sc. Pharmaceutical Chemistry

- M.Sc. Pharmaceutical Chemistry provides various job opportunities for graduates in the field of drug industry.
- It includes developing and formulating drugs to treat patients with diseases and researching how different chemicals affect various biological systems.
- Graduates from M.Sc. Pharmaceutical Chemistry can work to create new drugs and products in the most cost-effective way that produces the least amount of negative side-effects.
- They can design and apply methods of chemical analysis to a product to ensure that the drug is refined.
- One can find a job like: Scientist, Research Officer, Research Executive, Professor, Quality Control & Quality Assurance Analyst, Scientific Data Entry Specialist, Patent Analyst, Pharmaceutical Patent Analyst, Assistant Manager, etc.

Course Duration, Eligibility

Duration
2 years
(4 semesters)

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Eligibility:
B.Sc. in any subject
with
Chemistry or
B. Pharm.

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USPs of the Program

Industry-Relevant Curriculum

The coursework is designed in collaboration with leading pharmaceutical companies, ensuring students acquire industry ready skills

Advanced Laboratories

Hands-on training in advanced pharmaceutical chemistry labs equipped with HPLC, GC-MS, FTIR and NMR spectrometers.

Career & Higher Education Pathways

Post Graduates can pursue PhD programs, teaching positions or enter the pharmaceutical, biotech and regulatory industries.

Experienced Faculty & Mentorship

Learn from well qualified professors and industry professionals who provide personalized guidance and mentorship.

Research Focused Learning

Emphasis on independent research, publications and dissertation projects that promote innovation and critical thinking

Multidisciplinary Approach

Integration of chemistry, Pharmacology, Biotechnology and computational tools for a holistic understanding of drug development.



Post Graduation Programs (after graduation)

MBA Healthcare Pharma Management

The Master of Business Administration in Healthcare Management is designed to equip professionals with the skills necessary to excel in the rapidly evolving healthcare sector.

This comprehensive program integrates business acumen with industry-specific knowledge, empowering graduates to drive innovation, improve efficiency, and lead strategic decision-making.

Key aspects of the Program

01



Integrated Curriculum

Combines foundational business principles with specialized courses in healthcare policy, management and finance, providing a holistic understanding of the healthcare system

Practical Experience

Offers hands-on learning through project-based courses, case studies and collaboration with healthcare professionals, ensuring graduates are prepared for real-world challenges



02

03



Thriving Industry

The healthcare sector is one of the fastest-growing industries globally, offering immense career opportunities.

Versatile Skills

Develops a broad range of skills applicable across different healthcare settings, including business strategy, healthcare policy and leadership.



04

CAREER OPPORTUNITIES



**Hospital
Administrator**



**Healthcare
Consultant**



**Director of
Strategic Planning**



**Medical and Health
Service Manager**



**Top Executive
Positions**

Advantage @DGU

- Dehradun - A Safe, Beautiful & Cosmopolitan Education City.
- Bundle of Industry Integrated Value Added Certificates.
- Students from 23 States & 5 Countries on campus.
- Multiple Placements for all.
- More than 250+ Companies for Campus Placement.
- Possibilities of International Exposure.
- Separate in campus Girls & Boys hostels with Modern Sporting & Gym facilities.



International Immersion & Pathways at Affordable Fees

Summer/Winter Programmes, Semester Exchanges, and One Year Abroad Opportunities at top UK Universities [with 2+2, 3+1 for Bachelor's and 3+2 for Master's Programmes] leading to work permits & residency

Scholarship

This Scholarship scheme is applicable to student across all programs offered at DBS Global University as under:

Under Graduate Students

12th% age (any Central Board)	80-84.99	85-89.99	90-92.5	92.6-94.99	95	96	97	98	99
CUET Percentile	88-89.99	90-91.99	92.93.99	94-94.99	95.95.99	96-96.99	97-97.99	98-98.99	99-100
JEE Percentile	75-79.99	80-84.99	85-89.99	90-94.99	95-95.99	96-96.99	97-97.99	98-98.99	99-100
Scholarship (in % of tuition fee)	10	20	30	40	50	60	70	80	90

Note : Best 4 Core Subjects only (SupW, Physical Education and Non Academic Subjects will not be considered)

Special Scholarships for

Uttarakhand Domicile - 25%
Ward of Single Mother - 10%
Sports Quota - 5-10%

Ward of Defence Personnel - 10%
Ward of Full Time Teachers - 10%

For detailed information visit website.

2000+

Students

42%

Women Enrollments

1:12

Faculty Ratio

22+

Activities Club

450+

Industries Nearby

8000+

Alumni

75%

Professional
Faculty

90%

of First Year Students
Living On-Campus

Snow Trek at Kedarkantha by Bagpackers' Club



Manfest 2024



DGU Rock Band



Inter-college Tournament organized
by Football Club



Students during Singapore Visit

Computer Science & Engineering | Management | Commerce | Law
Liberal Studies | Film & Media | Agri | Forestry | Pharmacy | Para Medical | Hospitality