**B.Pharma**

Aryans College of Pharmacy is offering B.Pharma as a four-year course with eight semesters annually approved by PCI (Pharmacy Council of India) and AICTE (All India Council of Technical Education), New Delhi. In India, The Bachelor of Degree is termed as B.Pharma. It is an undergraduate academic degree in the sector of pharmacy. The term Bachelor’s of Pharma is an obvious evident that it focuses on the study of Biology, pharmaceutical chemistry, biochemistry, medicines, psychology, pharmacology, dispensing and so on. If the candidate is willing to be a pharmacist, then it is mandatory to practice B.Pharma. This course is ideal for the students who have completed 10+2 (PCM/B) from a recognized Board/University from any stream. After the completion of this course, the candidate can practice being Pharmacist.

Our Campus provides training in order to grasp the knowledge on the properties and impacts on medicines. Students develop their skills to counsel patients about the use of medicines and drugs. It is very important to gain a lot more knowledge of these medicines and drugs before advising patients as they may cause harmful side effects. B.Pharma is the most popular job oriented program after the completion of 10+2 (Undergraduates) as it offers a wide range of job opportunities in public as well as private sectors. This course train students in various fields of pharmacy and prepare them to work in pharmaceutical industries in India and Abroad. There is greater scope for a pharmacist in Abroad while in India the scope for a pharmacist is limited.

**B.Pharma – Course Content**

The core subject of B.Pharma includes:

* Pharmaceutical Chemistry (Organic, Inorganic, and Physical)
* Pharmaceutics
* Pharmacology
* Pharmacognosy

**Pharmaceutical Chemistry (Organic, Inorganic, and Physical)**

Pharmaceutical Chemistry is the study and development of drugs more broadly. Pharmaceutics most commonly works in Lab Settings. This study enables students to contribute to life-saving remedies. This study comprises of other branches of education such as pharmacokinetics, pharmacodynamics, and drug metabolism. These are the most important factors for learning the effects of drugs on a body. It enables students to understand the various aspects of formulation, preparation, and analysis of different pharmaceuticals and cosmetics. It becomes quite more accessible for a graduate holder to dispense, preserve and analyze the use of medicines and drugs of a given prescription and work accordingly in manufacturing the pharmaceutics and cosmetics on the commercial level.

**Pharmaceutics**

Pharmaceutics are those who deal with the process of turning New Chemical Entity or recycling old drugs into medicine which can be used safely by the patients as they don’t need to panic about the side effects of such medications. This subject mainly deals with the application of the physical-chemical to problems in the Pharmaceutical Sciences. There are plenty of chemicals with pharmacological properties; the raw compound is of no use. As it cannot be prescribed to patients until the pure drug substance is turned into a dosage form. It also helps in learning the formulation of various cosmetics preparations and their use.

**Pharmacology**

It is a study which involves research experiments and tests drugs to survey their effects on animals as well as humans. It is most commonly defined as the branch of biology as it is broadly concerned with the effects of drugs/pharmaceuticals and other xenobiotics on living systems. The whole field of investigation is termed as pharmacology. It involves students in various activities of scientific research on drugs, practical outlook of pharmacology screening, biological standardization, experiments with an animal model, calculations, toxicity, and in-vivo drug interacts are taught under this subject. A pharmacology degree offers prospects for research careers in academics, scientific civil service, and hospitals. After this course, you can work in many fields such as product management, marketing, medical information, acting as the link between pharmaceutical companies, doctors as well as patients.

**Pharmacognosy**

Pharmacognosy is the study of plants and other natural sources which is responsible for the formation of drugs. You may also define Pharmacognosy as the study of physical, chemical, biochemical, and biological properties of drugs. The students acquire knowledge of natural sources of drugs .i.e. herbal medications, the method of cultivation of drugs, biotechnological processes, development of pharmaceutical products and so on.

**Eligibility Criteria**

Aryans College of Pharmacy offers wide range of career opportunities to every candidate who wished to be a part of this college with the minimum qualifications of 10+2 (Undergraduate) with 50% for general candidates (45% for SC/ST/OBC candidates) along with the subjects like English, Physics, Chemistry, Mathematics, (P.C.M) or Biology (P.C.M.B) would be accepted as an optional subject. Candidates can easily build their career in Pharmacy after completing 12th from a recognized Board.

**Career Prospects**

If you are planning to build your career in pharmaceutical Industry, then let me inform you this industry is full of opportunities. It is above one such industry that works for research development of new drugs, formulation, development, clinical trials, and toxicological studies. It offers a wide range of career options in production and manufacturing. Right after the completion of your course, you will be placed as a Pharmacist in public or private sectors. In India, career options as a Pharmacist are limited, but if you apply for abroad, there are various opportunities. The students can also try for higher education in Pharmacy such as M.Pharma (Masters of Pharmacy).