

PHARMACOLOGY

Description

Pharmacology is the study of drugs, both natural and synthetic. Careers in this field take people down many paths including the development of new chemical compounds and the assessment of their beneficial and harmful effects. This major integrates a number of basic science disciplines including toxicology, biology, chemistry, and physiology. As a broad scientific field, pharmacology is applicable to many careers in the life sciences area. Pharmacology explores a drug's chemical characteristics, physiological and behavioral impacts, and mechanisms of manipulation. Pharmacological studies can verify the effects of chemical agents on physiological or behavioral processes and aim to treat and prevent diseases. Pharmacology courses focus more on the research aspect of this science, teaching the student to investigate the effects of chemical compounds and to innovate ways of creating remedies to the many physical and mental ailments which affect people and animals.

Pharmacologists is who will interpret such knowledge into the rational development of therapeutics and offer the answer to problems concerning to drug, hormone and chemical. The courses of pharmacology are also towards providing graduates with licenses to dispense prescription medicines in pharmacies, or to become a pharmacist.

Career

Pharmacists may prepare or supervise the dispensing of medicines and advise patients on use of their medicine in the safest and most effective mode.

Pharmacists also advise members of the public and other health professionals about medicines. They can select, supply and give advice on non-prescription medicine, health equipment and other products.

Pharmacists can develop legally recognized standards and advise on regulations concerning the manufacture and supply of medicines.

Pharmacists can work in the researching, manufacturing, testing, analyzing and marketing of medicines and other health-related products or in the management of pharmaceutical companies.

Pharmacists are either employed by community pharmacies or hospitals, or are self-employed and provide medication reviews for residential care or ambulatory care patients and / or other medication-related cognitive services.

Pharmacists also work in fields such as military, law, journalism, academic teaching, research, and pharmaceutical policy. They work in cities, rural areas and even abroad.