

## Pharmacology

Pharmacology is an interdisciplinary science which investigates the actions of drugs and chemicals on biological systems. It requires a knowledge of the sources, chemical properties, biological effects, and therapeutic uses of drugs. It is a science that is basic not only to medicine but also to pharmacy, nursing, dentistry, and veterinary medicine. Pharmacological studies range from those that determine the effects of chemical agents upon subcellular mechanisms, to those that deal with the potential hazards of drug therapy for major diseases. By unlocking mysteries of drug action, discovering new therapies, and developing new medicinal products, pharmacology inevitably touches upon all of our lives.



The curriculum in Pharmacology, leading to the Bachelor of Science degree, is designed to prepare students for careers in drug research and development and to provide a solid background for those students who choose to pursue graduate studies in the pharmacological sciences. Focusing on cellular, molecular, and human pharmacology, the program allows students to develop an understanding of this discipline in a basic science teaching and research environment.

### Transferable Skills

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- Strong communication skills
- Ability to retrieve and interpret complex data
- Critical analytical and problem-solving skills
- Efficient under pressure
- Knowledge in scientific fields like biology, chemistry, and physics
- Flexibility in team-work
- Ability to take the initiative
- Decision-making skills
- Multitasking skills
- Knowledge of scientific equipment

### Career Communities to Consider

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- Healthcare
- Research
- Education & Helping Professions
- Business