

Pharmacology

- Pharmacology is the study of the effects of chemicals on living systems and may include the study of individual molecules and cells, tissues or whole organisms. The field of pharmacology occupies a central position in the continuum of biomedical sciences such that there are often unclear boundaries between pharmacology and, for example, the fields of toxicology, biochemistry, physiology, pathology and microbiology.
- Training in this discipline offers the student a wide diversity of areas of inquiry and may prepare the student for a broad range of career opportunities in academia, industry and government.

Faculty with an interest in Pharmacology:

- Dr. Karen Briski, Professor of Pharmacology, Department Head
- Dr. Paul Sylvester, B. J. Robison/Pfizer Endowed Professor of Pharmacology
- Dr. Girish Shah, Calhoun Endowed Professor of Pharmacology
- Dr. Victor Hsia, Assistant Professor of Pharmacology
- Dr. Yong-Yu Liu, Assistant Professor of Pharmacology
- Dr. Keith Jackson, Assistant Professor of Pharmacology

Required Courses for Pharmacology

Core Curriculum

Pharmacy 4009

Pharmacy 4013

Pharmacy 4014

Pharmacy 5021

Pharmacy 5022

Math 5020

Math 5021

Electives

Pharmacy 5027

Pharmacy 5028

Pharmacy 5050

Pharmacy 5081

Pharmacy 5082

Pharmacy 4032

Pharmacy 5013

Pharmacy 5014

Chemistry 5051 and 5052

Organic Medicinal Chemistry II

Pharmacology III

Pharmacology IV

Advanced Pharmacology

Advanced Pharmacology Laboratory

Statistical Methods for the Experimenter I

Statistical Methods for the Experimenter II

Neuropharmacology

Cardiac & Renal Pharmacology

Biochemical Toxicology

Advanced Toxicology

Advanced Toxicology Laboratory

Biopharmaceutics

Pharmacokinetics

Advanced Biopharmaceutics

Biochemistry