

## BMS 5002 : Biomedical Pharmacology

Biomedical pharmacology presents an overview of the basic concepts and principles of pharmacology complemented by selected topics in pharmacotherapeutics. Students explore mechanisms of drug action, pharmacokinetics, pharmacodynamics, pharmacogenomics, and toxicology. Additional classroom sessions highlight the basic and clinical pharmacology of agents that exert effects on a variety of physiologic systems. Students will be required to complete an innovative new drug capstone project demonstrating their ability to provide peer-feedback, work on a team, appropriately review and synthesize recent medical literature, and conduct an oral presentation. Successful completion of the course will prepare students for doctoral level study of pharmacology.

**Credits** 3

**Prerequisites**

None