Curriculum of Institute of BioPharmaceutical Sciences Master Program
National Sun Yat-sen University

Required courses

(12 credits)

- General theory of drug discovery
- The intellectual property and regulation in biopharmaceuticals
- Research and technologies in the development of biopharmaceuticals
- Scientific writing
- Seminar (I) (II) (III) (IV)

Elective Courses

Independent Studies

- Independent Studies In Cancer Autophagy (I) (II)
- Independent Studies In Biosensors (I) (II)
- Independent Studies In Cerebral Ischemia (I) (II)
- Independent Studies In Anticancer Drug Discovery (I) (II)
- Independent Studies In Bifunctional Molecule Drug Discovery (I) (II)

Drug Development

- Cell Biology
- Cell Therapy And Immunotherapy
- Embryonic Development And Regenerative Medicine
- Stem cell biology
- Molecular Drug Design And Synthesis
- Development Of Macromolecular Therapeutics
- Pharmacognosy And Natural Medicine R&d
- Toxic Responses Of Organs
- Body Processes And Disease Progression
- Tumor Molecular Biology
- Drug Development In Central Nervous System (Cns) Disorders
- Medicinal Chemistry (I) (II)
- Drug Metabolism And Pharmacokinetics
- Targeted Protein Degradation Based Drug Development (I) (II)

Biomedical Sciences and Application

- Transdermal drug delivery system
- Microbiology and immunology
- The Animal Model And Technology In Biopharmaceutical Research
- Aesthetic Medicine And Medical Device
- Current And Future Prospects For The Innovative Biotechnology Industry
- Medical ethics and clinical trials
- Targeted Therapies For Malignant Tumors
- Spectroscopic Identification Of Small Molecule Drugs
- Industry Internship
- Innovative Approaches In Diagnosis Of Emerging Infectious Pathogens And Their Drug Resistance
- Medical Biotechnology For Diagnosis And Therapy
- Manufacturing Practice And Application Of Biotech Industry
- Medical Biotechnology For Diagnosis And Therapy
- Clinical Molecular Pharmacology
- Current Status And Perspectives Of Anticancer Drugs