



## 药物制剂

### 一、专业介绍

本专业培养具备药学、药剂学和工程学的专业知识和从事药品及相关化学品的技术开发和工程设计能力，能在药物制剂与制剂技术相关领域从事研究、开发、工艺设计、生产技术改进和质量控制等方面工作的高级应用型技术人才。毕业生可在科研院所、设计院、高等院校和制药及相关企业从事产品开发、工程设计、教学研究、科学管理及技术服务等工作。

本专业的毕业生应具有计算机及信息技术应用、科技写作等方面的知识；具有较扎实的自然科学基础和人文社会科学基础；具有药学、药剂学和工程学等主干学科的基础知识和制药工程的专业知识；了解学科的前沿理论、应用前景、发展动态，以及相关产业发展状况；具有综合理论知识和解决实际问题的能力；较强的综合实验能力、工程实践能力等综合能力。

本专业核心课程包括有机化学、化工原理、生物化学与分子生物学、药理学、药物化学、药物分析、药剂学、药用高分子材料学、生物药剂学及药代动力学、药物制剂设备与车间工艺设计、药物合成反应、药事管理学。

### 二、基本学制

4年

### 三、学位授予

理学学士

### 四、收费

学费：18,000元/年 住宿费：4,200元/年 书本费：500元/年 (多退少补)

**\*根据中国相关法律规定，来华留学生还需缴纳如下费用：**

保险费：800元/年

体检费：340元/年

居留许可费：400元/年

注册费：400元 (仅限第一年)

### 五、联系方式

地址：中国湖北省武汉市洪山区雄楚大道693号武汉工程大学国际学院

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## Pharmaceutics (Pharmaceutical Preparation) >

### 1. Introduction

Pharmaceutics is specialized in the knowledge of pharmacy, pharmaceutics and engineering, the expertise of drug delivery design, reagent combination and the technical development and engineering design capabilities of pharmaceutical and related chemicals. The major aims to foster senior applied technological talents who can conduct research and development, process design, improvement of production technology and quality control in the fields of pharmaceutics and pharmaceutical technology, and the drug delivery related. Graduates will be engaged in product development, engineering design, teaching research, scientific management and technical services in research institutes, design institutes, universities and pharmaceutical-related corporations.

Graduates should acquire knowledge in computer and information technology applications and scientific writing; solid basic knowledge in natural sciences and humanities; basic scientific knowledge of major disciplines like pharmaceutics and engineering; professional knowledge of pharmaceutical engineering; understanding of the theoretical frontiers, application prospects, development trends and the relevant industry development; ability to solve practical problems using comprehensive theoretical knowledge; strong comprehensive experimental ability, engineering practice and comprehensive ability.

The Core courses: Organic Chemistry, Chemical Engineering Principal, Unit Operation, Biochemistry and Molecular Biology, Pharmacology, Pharmaceutical Chemistry, Pharmaceutical Analysis, Pharmaceutics, Pharmaceutical Polymer Materials, Biopharmaceutics and Pharmacokinetics, Pharmaceutical Preparation Equipment and Technical Design Workshop, Drug Synthesis Reaction and Pharmacy Management.

### 2. Basic length of schooling

4 years

### 3. Degree to be granted

Bachelor of Science

### 4. Fees

Tuition: 18,000 RMB Yuan per year (Course taught in English)

Accommodation: 4,200 RMB Yuan per year

Textbooks: 500 RMB Yuan per year (or charged according to the actual situation)

**\*According to China's relevant laws and regulations, foreign students should pay fees as follows:**

Insurance: 800 RMB Yuan per year

Physical Examination: 340 RMB Yuan per year

Residence Permit: 400 RMB Yuan per year

Registration fee: 400 RMB Yuan (the first year only)

### 5. Contact Information

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