



制药工程

一、专业介绍

制药工程是一个化学、药学（中药学）和工程学交叉的工科类专业，以培养具有制药工程知识与应用能力，能在医药、农药、精细化工和生物化工等部门从事医药产品的合成与工艺研究、医药产品开发、制药工艺设计、新设备设计、过程控制、工程设计和生产管理等方面的高素质研究应用型人才为目标。

本专业的学生应获得以下的知识和能力：掌握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；掌握与本专业相关的化学、药学和工程学等主干学科的科学基础知识和制药工程专业方向知识；重点掌握生物、化学或现代中药制药工程等方面的应用知识；了解学科的理论前沿、应用前景、发展动态；具有较强的综合实验能力、工程实践能力和工程综合能力；具有创造性思维设计及归纳、整理、分析能力。

本专业核心课程包括有机化学、物理化学、化工原理、工业药剂学、药物化学、药物合成反应、药物分析、化学制药工艺学、生物制药工艺学、制药反应工程、制药工艺设计。

二、基本学制

4年

三、学位授予

工学学士

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

电话：+86-27-87193658/+86-27-87193677

传真：+86-27-87193638

电邮：witsie1972@163.com; patriciaygl@163.com

网址：<http://gjxy.wit.edu.cn/>





Pharmaceutical Engineering >

1. Introduction

Pharmaceutical Engineering is a cross engineering major of chemistry, medicine (TCM) and engineering, with the target to train highly-qualified applied research talents who have knowledge of pharmaceutical engineering and the application ability and can take the job in the synthesis of pharmaceutical products and technology research, pharmaceutical product development, process design, equipment design, process control, engineering design and production management in medicine, pesticide, fine chemical engineering and biochemical engineering.

The graduates should acquire the knowledge, ability and quality as follows: the knowledge of computer and information technology application and technical writing; a solid foundation of natural science and humanities; basic scientific knowledge of major-related disciplines like chemistry, pharmacy and engineering and specialty of pharmaceutical engineering; the application knowledge of biology, chemistry and modern Chinese medicine pharmaceutical engineering; the understanding of academic theory, application prospect and development trend; strong comprehensive experimental ability, practical ability and comprehensive ability; creative design thinking, the ability of sorting and analysis.

The core courses: Organic Chemistry, Physical Chemistry, Principles of Chemical Engineering, Pharmacy Industry, Medicinal Chemistry, Drug Synthesis, Pharmaceutical Analysis, Chemical Pharmaceutical Technology, Biological Pharmaceutical Technology, Pharmaceutical Engineering, Pharmaceutical Technology Design.

2. Basic length of schooling

4 years

3. Degree to be granted

Bachelor of Engineering

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

Address: School of International Education

Wuhan Institute of Technology

No. 693 Xiongchu Ave., Hongshan Dist., Wuhan, Hubei, P.R.China

Tel: +86-27-87193658/+86-27-87193677

Fax: +86-27-87193638

E-mail: witsie1972@163.com; patriciaygl@163.com

Website: <http://gjxy.wit.edu.cn/>

