



化学工程与工艺

一、专业介绍

本专业培养具备化工及相关学科的基础知识、基本理论和基本技能，具有创新、创业意识和较强的实践能力，能够从事化工、石化、精细化工、医药等相关领域的生产运行与技术管理、工程设计、技术开发和科学研究等工作的高素质应用型工程技术国际化人才。

本专业的毕业生应获得以下几个方面的知识、能力和素质：具有较扎实的自然科学基础，较好的人文和社会科学素养。能够应用数学、自然科学和工程科学的基本原理，识别、表达、并通过文献研究分析复杂工程问题，以获得有效结论。系统掌握基础化学、物理化学、化工原理、化工热力学、化学反应工程等基本理论和基本实验技能，掌握化工生产的基本原理，生产工艺过程与设备的基础理论、基本知识，生产过程的设计与原理。

核心课程：基础化学，有机化学，物理化学，化工原理，化工仪表及自动化，化工热力学，化学反应工程，化工分离工程，化工安全与环保，化工工艺学，工业催化，化工设计，化工制图及CAD，化工系统工程，化工技术经济。

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

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Chemical Engineering and Technology >

1. Introduction

Chemical Engineering and Technology trains students into highly-qualified applied and international talents with fundamental knowledge, theories and skills of chemical engineering and the related disciplines. With innovation, entrepreneurship and strong practical ability, those talents shall be able to work in the fields of chemical engineering, petrochemical engineering, fine chemicals and medicine as production operation and technique managers, engineering designers, technical developers and scientific researchers.

Graduates shall acquire knowledge, ability and quality as follows: a thorough grounding in natural science; a good accomplishment of the humanities and social science; giving an effective conclusion by analyzing complicated problems of engineering based on mathematics, natural science and engineering science fundamentals; systematically grasping the fundamental theories and experimental skills of basic chemistry, physical chemistry, chemical engineering, chemical engineering thermodynamics and chemical reaction engineering, unit operation, chemical separation engineering, chemical engineering technology principle, chemical engineering design, chemical engineering drawing and CAD, chemical safety, environment protection and green chemical et al.

The core courses: Basic Chemistry, Organic Chemistry, Physical Chemistry, Chemistry Principles, Chemical Instrumentation and Automation, Chemical Engineering Thermodynamics, Chemical Reaction Engineering, Unit operation, Chemical Separation Engineering, Chemical Engineering Technology Principle, Chemical Engineering Design, Chemical Engineering Drawing and CAD, Chemical Safety, Environment Protection and Green Chemical, Industrial Catalysis, Chemical System Engineering, Chemical Technical Economics.

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

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