

**Xiamen University Master's Program in Chemical Engineering
at School of Chemistry & Chemical Engineering**

1. Name of Programs:

Master's Program in Chemical Engineering

2. Degree awarded:

Master of Engineering

3. Duration:

2 years

4. Program Objective:

The program tries to train the masters students to grasp basic knowledge in chemical engineering and technology, be efficient in experimental skills, writing skills, and communication skills, be familiar with the current status and development trends in chemical engineering and technology, biochemical engineering, industry catalysis, applied chemistry, preserve independent working abilities in scientific research, engineering project and engineering management.

5. Academic Courses (Compulsory or Optional):

Advanced Chemical Reaction Engineering; Catalyst Engineering; Separation Science and Technology; Chemical and Biochemical; Literature View of Chemistry and Chemical Engineering; Engineering Studies (Applied Molecular Thermodynamics); Transport Phenomena; Applied Mathematics; Electrochemical Engineering; Advances in Electrochemistry.

Note: These courses are subject to changes without prior notice.

6. English Proficiency Requirement:

Applicants should score 80 or above in TOEFL, or alternatively, score 6.0 or above in IELTS. In case that one cannot provide either, other internationally recognized and equivalent certificate may also be sufficient. Native English speakers are exempted from this requirement.

7. Contact information

Ms. PENG Yajuan

Tel: +86-(0)592-2180184

Email: pyajuan@xmu.edu.cn

Web: <http://chem.xmu.edu.cn>

**Xiamen University Doctoral Program in Chemical Engineering
at College of Chemistry & Chemical Engineering**

1. Name of Programs:

Doctoral Program in Chemical Engineering

2. Degree awarded:

Doctor of Engineering

3. Duration:

4 years

4. Program Objective:

Chemical Engineering and Technology is a subject on basic laws of chemical process and physical process in various industries. It includes chemical engineering, chemical technology, biochemical engineering, applied chemistry, applied catalysis, energy and chemical industry, material engineering. This program aims to cultivate high-quality talents who are expected to (1) grasp basic theories, specialized knowledge and experiment skills; (2) be fully aware of the development and status of the field they study; (3) be rigorous, curious and creative; (4) be able to undertake research work and solve problems in chemical engineering and relative areas; (5) be healthy mentally and physically; and (6) be competent in teaching, researching, developing technology, designing and managing independently.

5. Academic Courses (Compulsory or Optional):

Rudiments of Chinese Language, Selected Issues on China, Transport Phenomena, Advanced Thermodynamics, Advanced Applied Mathematics, Advanced Biochemical Engineering, Advanced Chemical Reaction Engineering, Frontiers of Chemical and Biochemical Engineering, Energy Chemistry and Chemical Engineering, Basic Research Manners and Safety, Process System Engineering, Products engineering, Catalysis Engineering, Metabolic Engineering, Environmental Biotechnology, Topics on Applied Chemistry, Introduction to Energy Systems Engineering, Energy Technology and Engineering, Inorganic synthesis and preparative chemistry for functional materials, Modern Analysis and Characterization for Micro-Nano Materials

Note: These courses are subject to changes without prior notice.

6. English Proficiency Requirement:

Applicants should score 80 or above in TOEFL, or alternatively, score 6.0 or above in IELTS. In case that one cannot provide either, other internationally recognized and equivalent certificate may also be sufficient. Native English speakers are exempted from this requirement.

7. Contact information

Ms. Zeng Shuangshuang

Tel: +86-(0)592-2183751

Email: chem.eng@xmu.edu.cn

Web: <http://chem.xmu.edu.cn>

The contact information of doctoral supervisors in English-medium doctoral programs is available at <http://admissions.xmu.edu.cn/0e/d7/c16884a331479/page.htm> .