

应用化学

一、培养目标

本专业培养具有良好的科学素养、竞争与合作意识、创新思维与能力、国际视野和社会责任感，掌握化学基础理论与专业知识和基本技能，受到基础和应用科学研究方面的科学思维和科学实验基本训练，能够在化学化工、材料、汽车、能源、冶金及劳动安全等部门从事科研、技术及管理工作的研究型 and 复合应用型人才。

二、基本规格要求

学生将系统地学习本专业以下诸方面的基础理论知识和工程技术知识：

1. 无机化学、有机化学、物理化学、分析化学的基础理论与实验。
2. 电化学动力学、金属腐蚀及防腐蚀理论、高分子化学与涂料、材料物理化学、结构化学及化学工程的基础理论与实验。
3. 电镀原理与工艺、涂装工艺学、缓蚀剂与防锈技术、表面工程与技术、电化学测量、化学电源、电化学催化与沉积、聚合物结构与性能、催化原理与应用。
4. 新材料、新产品和新工艺开发与设计等。

本专业毕业生的基本要求是：

1. 具有良好的人文社会科学素养、强健的身心素质，较强的社会责任感和工程职业道德。
2. 掌握本专业所需的相关数学、物理学等的基本内容，了解化工工程、材料、生命、能源、环境等相关领域的基础知识。
3. 系统地掌握应用化学的基础理论与专业知识，具有综合运用应化专业理论和技术手段从事化学研究或者化学品设计和生产、开发和应用的能力，具备发现、提出、分析和解决化学、应用化学、化学工程及相关问题的能力；了解应用化学的理论前沿，了解新材料、新工艺、新技术与新设备的发展动态。
4. 掌握基本的创新方法，具有创新精神；具有综合运用应化专业理论和技术手段设计系统和过程的能力，相关过程中能够综合考虑经济、环境、法律、安全、健康、伦理等制约因素。
5. 掌握文献检索、资料查询的基本方法，并熟练进行资料查询及运用现代信息技术获取相关信息的基本方法。
6. 熟悉国家对于化学品生产、设计、研究与开发、环境保护和可持续发展等方面的方针、政策和法律、法规，能正确认识应化行业对于客观世界和社会的影响；富有竞争意识、合作精神、应变能力与国际交往能力，及与国际交流、竞争与合作要求相适应的语言能力和开阔的国际视野。
7. 具有一定的组织管理能力、较强的语言表达能力和人际交往能力、在团队中发挥作用的能力。
8. 具有较强的自学和终身学习的意识和能力、不断提升自身的学习和发展潜力。

三、培养特色

本专业依托本学科应用电化学、腐蚀与防护、能源电化学、新材料及表面工程技术等研究方向，发挥电镀与氧化工艺、涂料与涂装技术及缓蚀剂与防锈技术方面的传统优势，结合本科学生的未来发展针对性地培养学生，以增强学生毕业后的就业、继续深造及自主创业能力。本专业学生具备坚实的自然科学和应化专业基础理论知识，具有较强的化学化工新产品、新材料开发以及工程技术应

用的能力。

四、学制、毕业基本要求及学位授予

1. 本科基本学制 4 年，弹性学习年限 3—6 年，按照学分管理制度管理。
2. 应用化学专业学生毕业最低学分数为 170 学分，其中各类别课程及环节要求学分数如下表：

课程类别	通识必修	学门核心	学类核心	专业核心	专业选修	通识选修	集中实践	合计
学分数	27	24	42.5	23.5	≥20	≥8	25	170

3. 学生修满培养方案规定的必修课、选修课及有关环节，达到规定的最低毕业学分数，并修完规定必修但不记学分的所有课程和环节，德、智、体合格，即可毕业。满足学位授予相关文件要求的，授予理学学士学位。

五、课程设置及学分分布

（一）通识教育课程〔必修 27+（6）学分+选修 8 学分〕

通识教育课程包括必修和选修两部分。通识选修课程按《湖南大学通识选修（文化素质教育）课程方案》实施，通识必修课程如下：

编码	课程名称	学分	备注
GE01101	毛泽东思想和中国特色社会主义理论体系概论	3+（3）	
GE01039	思想道德修养与法律基础	1.5+（1.5）	
GE01100	形势与政策	0.5+（1.5）	
GE01102	中国近现代史纲要	2	
GE01103	马克思主义基本原理（上）	2	
GE01104	马克思主义基本原理（下）	2	
GE01012（－15）	大学英语	8	
GE01088	计算机基本能力测试	0.5	
GE01093	计算机导论与程序设计	2.5	
GE01107（－13）	心理素质与生涯发展	1	
GE01089（－92）	体育	4	

（二）学门核心（24 学分）

课程编码	课程名称	学分数	备注
GE03025（－26）	高等数学 A	10	
GE03003	线性代数 A	3	
GE03004	概率论与数理统计 A	3	
GE03005（－06）	普通物理 A	6	
GE03007（－08）	普通物理实验 A	2	

（三）学类核心（42.5 学分）

课程编码	课程名称	学分数	备注
CH04022	化学类专业导论（研讨课）	1	
CH04023	无机化学（1）	3.5	
CH04025	无机化学（2）	2.5	
CH04054	物理化学（1）	3	
CH04055	物理化学（2）	3	
CH04026	有机化学（1）	2	
CH04027	有机化学（2）	4	

续表

课程编码	课程名称	学分数	备注
CH04028	分析化学（1）	2	
CH04042	分析化学（2）	2	
CH04031	基础化学操作实验	1	
CH04032（一33）	基础无机化学实验	2	
CH04039	基础有机化学实验（1）	1	
CH04040	基础有机化学实验（2）	2	
CH04036	基础物理化学实验（1）	2	
CH04037	基础物理化学实验（2）	1	
CH04043	基础分析化学实验	2	
CH04021	化学实验室安全技术	1	
CH04038	电工电子学	3.5	
GE02053	电工电子实验	1	
CH04020	工程制图	3	

（四）专业核心（23.5 学分）

课程编码	课程名称	学分数	备注
CH05044	化学工程基础	4	
CH05018	化学工程基础实验	1	
CH05045	结构化学	3.5	
CH05046	材料物理化学	2	
CH05047	高分子化学与涂料	4	
CH05048	电化学动力学	3	
CH05049	金属腐蚀及防护理论	3	
CH05050	应化专业综合实验	3	

（五）选修课（化学化工学院开设 22 门选修课程，49 学分，应化学生可在应用电化学和表面工程技术方向的 10 门课程中任意选择课程，不超过 10 学分，选修课要求≥20 学分）

课程编码		课程名称	学分	备注
CH06020	应用电化学方向	化学电源	3	
CH06005		电化学测量	3	
CH06004		电镀原理与工艺	3	
CH06079		电化学催化与合成	2	
CH06080		应化前沿	2	
CH06038	表面工程技术方向	现代表面工程与技术	2	
CH06004		电镀原理与工艺	3	
CH06026		缓蚀剂与防锈技术	2	
CH06037		涂装工艺学	2	
CH06081		材料研究方法	2	
CH06082		应用化学专业英语	2	
CH06025		环境科学与工程导论	2	
CH06027		计算机在化工中的应用	2	
CH06083		工程制图与 CAD	2	
CH06029		精细化工产品配方设计	2	
CH06013		化工产品设计	2	
CH06041		新型分离技术	2	
CH06057		工业催化原理及应用	2	
CH06078		生物化学	2	
CH06052		化学信息与化学计量学	3	
CH06061		科研训练	2	
CH06030		聚合物结构与性能	2	

注：选修课中的 10 学分，可在全校范围内跨专业选修。

（六）集中实践（25 学分）

课程编码	课程名称	学分数	备注
GE01040	军事训练	0	
GE09030	中文写作实训	1	
GE09001	程序设计训练	2	
GE09006	金工实习 A	2	
GE09021	电工电子实习 A	2	
CH10009	化工基础课程设计	2	
CH10022	认识实习	2	
CH10010	毕业实习	2	
CH10015	毕业设计（论文）	12	

六、课程责任教师一览表

序号	姓名	职称	学历学位	专业特长	课程（专业核心、专业选修、通识选修）
1	旷亚非	教授	硕士	电化学理论及应用	电化学动力学、应化专业综合实验
2	李国希	教授	博士	腐蚀电化学及应用	金属腐蚀及防护理论、材料研究方法、应化专业综合实验
3	陈金华	教授	博士	纳米材料电化学、化学电源、电化学分析	化学电源，电化学催化与合成、应化专业综合实验
4	刘娅莉	教授	博士	高分子合成与应用、金属表面处理	涂装工艺学、高分子化学与涂料、应化专业综合实验
5	何德良	教授	博士	电化学方法与测试技术、腐蚀科学与防护技术	电化学测量、计算机在化工中的应用、应化专业综合实验
6	周海晖	教授	博士	应用电化学、表面处理技术	现代表面工程与技术、应用化学专业英语、应化专业综合实验
7	张小华	副教授	博士	电化学方法及测试技术、纳米材料电化学	应用化学专业英语、缓蚀剂与防锈技术、应化专业综合实验
8	陈重学	助理教授	博士	应用电化学、能源材料	电镀原理与工艺、材料研究方法、应化专业综合实验
9	邓剑如	教授	硕士	高分子合成与应用、含能材料	高分子化学与涂料
10	周 俊	副教授	博士	无机化学、化学热力学	无机化学、材料物理化学
11	何凤姣	教授	博士	无机化学	无机化学、基础无机化学实验
12	邓 伟	讲师	博士	无机化学	无机化学、基础操作化学实验
13	余 刚	教授	博士	物理化学	物理化学Ⅰ、物理化学Ⅱ
14	蔡双莲	讲师	硕士	实验与实践	基础有机化学实验、基础化学操作实验
15	孙 越	讲师	硕士	实验与实践	基础物理化学实验、基础化学操作实验
16	李桂芝	讲师	硕士	实验与实践	基础无机化学实验、基础化学操作实验
17	高 娜	讲师	博士	实验与实践	基础分析化学实验、基础化学操作实验
18	许新华	教授	博士	有机化学	有机化学
19	楚 霞	教授	博士	分析化学	分析化学
20	黄 燕	副教授	博士	分析化学	生物化学
21	易海波	副教授	博士	结构化学	结构化学
22	徐伟箭	教授	博士	高分子化学	高分子化学、化工产品设计
23	尹双凤	教授	博士	工业催化、应用化学	化工前沿、化工设计、化工科技创新
24	晁自胜	教授	博士	绿色化工、工业催化	化工前沿、催化原理与应用
25	郭栋才	教授	博士	化学工艺	化学工艺学
26	熊远钦	副教授	学士	高分子化学、精细品化学、仪表	精细化工产品配方设计

续表

序号	姓名	职称	学历学位	专业特长	课程（专业核心、专业选修、通识选修）
27	梁志武	教授	博士	化学工程	化工安全技术、化工机械、化工设计
28	卢彦兵	副教授	博士	高分子合成	聚合物结构与性能
29	夏新年	副教授	博士	高分子合成、化工设计	新型分离技术、化工综合设计
30	李文生	副教授	硕士	化学工艺、新催化材料	化工原理、化工原理实验、化工基础课程设计
31	任艳群	讲师	硕士	工业催化	化工设计、化工原理实验、化工基础课程设计
32	杨林涛	讲师	硕士	精细化学品合成与工艺优化	化学工程基础、化工基础课程设计
33	罗伟平	讲师	博士	绿色化工	环境科学与工程导论、生物化工基础、化学反应工程
34	那艳清	副教授	学士	实验与实践	化工原理实验、普通化学实验、化工专业实验
35	赵敬哲	教授	博士	无机化学	无机化学
36	吴海龙	教授	博士	分析化学、化学计量学	化学计量学、分析化学
37	朱 磊	副教授	博士	无机化学	无机化学
38	周永波	副教授	博士	有机化学	有机化学
39	欧恩才	助理研究员	博士	高分子合成	现代分离科学与技术、普通化学、化学产品设计

七、专业责任教授

序号	姓名	职称	学历学位	专业特长	承担授课课程
1	刘娅莉	教授	博士	高分子合成与应用、金属表面处理	高分子化学与涂料、涂装工艺学、应化专业综合实验

Applied Chemistry

I . Objectives

The educational objectives of this undergraduate program are to enable students to achieve some qualities related to humanities, science and engineering, and equip with a range of abilities of research, innovation, administration and internationalization. Students will be prepared for diverse career paths such as competent engineers and administrators, who are sustainable, versatile and practical by integrating combining science with engineering, material, automobile, Energy development, metallurgy and labor safety management.

II . Basic Requirement

Upon graduation, students will be able to master basic knowledge and engineering and technical knowledge:

1. Understand the basic knowledge and principles, and owning the experimental techniques in chemistry-related filed.
2. Understand the fundamental theories and methods in electrochemical kinetics, metal corrosion and protection theory, polymer chemistry & coating, physical chemistry of materials, structural chemistry and chemical engineering etc.
3. Understand the basic knowledge and principles of electroplating principle and technology, coating technology, corrosion inhibitor and antirust technology, surface engineering and technology, electrochemical measurement, power supply, electrochemical catalysis, and chemical vapor deposition, polymer structure and properties and catalytic principle and application.
4. New material, new products and new technology development and design, etc.

Upon graduation, students will be able to demonstrate:

1. Good humanities and social science literacy, strong physical and psychological quality, strong sense of social responsibility and engineering professional ethics.
2. A mastery of basic theories and applications in chemical engineering. An understanding of fundamental theories and the research capacity in chemistry.
3. Knowledge of theories and research methods in electrochemistry. Be able to development and design new material, new products and new technology. Learn about the chemistry-related theory frontier, application prospect, and the latest developments.
4. Good humanities and social science literacy, strong physical and psychological quality, strong sense of social responsibility and engineering professional ethics; knowledge of technologies in environment-friendly materials and new materials.
5. Master a foreign language and learn how to perform the literature searching with modern data sources.
6. Sound humanistic qualities. Be able to design projects, establish proper instruments, analyze results, write scientific papers, and communicate with scientific community.
7. Certain organization management ability, strong language expression ability and interpersonal

skills.

8. Strong self-study and the consciousness of lifelong learning, constantly improve development potential.

III. Education Characteristics

On successful completion of the prescribed courses and educational practice, such as electrochemistry, corrosion and protection, electrochemical energy, new materials and surface engineering technology, students, who are qualified enough to meet all the requirements of this program.

Students are equipped with fundamental theories and methods and will be able to develop and design new material, new products and new technology.

IV. Length of Schooling, Basic Requirements for Graduation, and Degree Conferment

1. The course period is 4 years with flexibility from 3 to 6 years. Students must complete all of the credits.

2. Students are expected to complete a minimum of 170 credits upon graduation and the detailed credits requirements are given in the following table.

Course Category	Required General Education Courses	Introductory Major Courses	Major Survey Courses	Required Core Courses	Restricted Electives	General Education Electives	Intensive Practice	Total
credits	27	24	42.5	23.5	≥20	≥8	25	170

3. Students in this major will graduate after accomplished compulsory, elective and related courses, attained the required minimum credits for graduation prescribed in training program, completed compulsory courses but do not award credit, and qualified in moral, intellectual and physical. They will be granted bachelor of engineering after met the requirements of degree-granting documents.

V. Curriculum and Credits

1. General Education Courses [required 27 + (6) + elective 8 credits]

The general education courses consist of required courses and elective courses. General education electives are designed according to the *Curriculum Design of General Education Electives of Hunan University*. Required general education courses are illustrated in the following table.

Code	Course Title	Credit(s)	Remarks
GE01101	Introduction to Maoism and Theoretical System of Socialism with Chinese Characteristics	3 + (3)	
GE01039	Moral Cultivation and Law Basics	1.5 + (1.5)	
GE01100	Current Situation and Policies	0.5 + (1.5)	
GE01102	Outline of Modern Chinese History	2	
GE01103	Fundamentals of Marxism I	2	
GE01104	Fundamentals of Marxism II	2	
GE01012(—15)	College English	8	
GE01088	Computer Proficiency Test	0.5	
GE01093	Introduction to Computer Science and Programming	2.5	
GE01107(—13)	Psychological Health & Career Planning	1	
GE01089(—92)	Physical Education	4	

2. Introductory Major Courses (24 credits, 5 courses)

Code	Course Title	Credit(s)	Remarks
GE03025(－26)	Higher Mathematics A	10	
GE03003	Linear Algebra A	3	
GE03004	Probability Theory and Mathematical Statistics A	3	
GE03005(－06)	General Physics A	6	
GE03007(－08)	Laboratory of General Physics A	2	

3. Major Survey Courses (42.5 credits,20 courses)

Code	Course Title	Credit(s)	Remarks
CH04022	Introduction to Chemical Engineering(Seminar)	1	
CH04023	Inorganic Chemistry I	3.5	
CH04025	Inorganic Chemistry II	2.5	
CH04054	Physical Chemistry I	3	
CH04055	Physical Chemistry II	3	
CH04026	Organic Chemistry I	2	
CH04027	Organic Chemistry II	4	
CH04041	Analytical Chemistry I	2	
CH04042	Analytical Chemistry II	2	
CH04031	Basic Operation of Chemical Experiment	1	
CH04032(－33)	Basic Inorganic Chemistry Experiment	2	
CH04039	Basic Organic Chemistry Experiment I	1	
CH04040	Basic Organic Chemistry Experiment II	2	
CH04036	Basic Physical Chemistry Experiment I	2	
CH04037	Basic Physical Chemistry Experiment II	1	
CH04043	Basic Analytical Chemistry Experiment	2	
CH04021	Chemical Laboratory Safety Technology	1	
CH04038	Electronics in Electrical Engineering	3.5	
GE02053	Electrical and Electronic Experiment	1	
CH04020	Engineering Drawing	3	

4. Required Core Courses (23.5 credits,8 courses)

Code	Course Title	Credit(s)	Remarks
CH05044	Chemical Fundamental	4	
CH05018	Chemical Fundamental Experiment	1	
CH05045	Structural Chemistry	3.5	
CH05046	Physical Chemistry of Materials	2	
CH05047	Polymer Chemistry & Coating	4	
CH05048	Electrochemical Kinetics	3	
CH05049	Metal Corrosion and Protection Theory	3	
CH05050	Comprehensive Experiment of Applied Chemistry Profession	3	

5. Restricted Electives (49 credits and 22 courses for each orientation)

(Students are permitted to select courses with an average of 10 credits of their courses in Application of electrochemistry and surface engineering technology. All students should take over 20 credits

in restricted electives.)

Code		Course Title	Credit(s)	Remarks
CH06020	Applied Electrochemical	Chemical Power Source	3	
CH06005		Electrochemical Measurement	3	
CH06004		Plating Principle and Process	3	
CH06079		Electrochemical Catalysis and Synthesis	2	
CH06080		Applied Chemistry Preface	2	
CH06038	Surface Engineering Techniques	Modern Surface Engineering and Technology	2	
CH06004		Metal Corrosion and Protection Theory	3	
CH06026		Anticorrosion Design	2	
CH06037		Coating Technology	2	
CH06081		Materials Research Method	2	
CH06082		Specialized English of Applied Chemistry	2	
CH06025		Introduction to Environmental Science and Engineering	2	
CH06027		Computer Applications in Chemical Industry	2	
CH06083		Engineering Drawing and CAD	2	
CH06029		Fine Chemical Products Formula Design	2	
CH06013		Chemical Product Design	2	
CH06041		New Separation Technique	2	
CH06057		Principles and Applications of Industrial Catalysis	2	
CH06078		Biochemistry	2	
CH06052		Chemical Information and Stoichiometry	3	
CH06061		Research Training	2	
CH06030		Polymer Structure and Property	2	

Note;Students may take cross-major electives within the 10 elective credits.

5. Intensive Practice (26 credits)

Code	Course Title	Credit(s)	Remarks
GE01040	Military Training;Military Affairs and National Defense;Orientation	0	
GE09030	Chinese Writing Practice	1	
GE09001	Programming Practice	2	
GE09006	Metalworking Practicum A	2	
GE09021	Electrical and Electronic Practice A	2	
CH10009	Curriculum Design for Chemical Engineering	2	
CH10022	Professional Practicum	2	
CH10010	Production or Research Practice	2	
CH10015	Graduation Project (Thesis)	12	

VI. Course Instructor List

No.	Name	Academic Title	Educational Background	Research Areas	Courses (Disciplinary Core Courses, Disciplinary Electives, General Electives)
1	Kuang Yafei	Professor	M. S.	Electrochemical Theory and Application	Electrochemical Kinetics; Comprehensive Experiment of Applied Chemistry Profession
2	Li Guoxi	Professor	Ph. D	Corrosion Electrochemis-try and Application	Metal Corrosion and Protection Theory, Materials Research Method, Comprehensive Experiment of Applied Chemistry Profession

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No.	Name	Academic Title	Educational Background	Research Areas	Courses (Disciplinary Core Courses, Disciplinary Electives, General Electives)
3	Chen Jinhua	Professor	Ph. D	Functional Nanomaterials, Chemical Power Source, Electrochemical Analysis	Chemical Power Source Electrochemical Catalysis and Synthesis, Comprehensive Experiment of Applied Chemistry Profession
4	Liu Yali	Professor	Ph. D	Polymer Synthesis and Application, Metal Surface Treatment	Polymer and Coatings Chemistry, Coating Technology, Comprehensive Experiment of Applied Chemistry Profession
5	He Deliang	Professor	Ph. D	Electrochemical Method and Testing Technology, Corrosion Science and Protection Technology	Electrochemical Measurement, Computer Applications in Chemical Industry, Comprehensive Experiment of Applied Chemistry Profession
6	Zhou Haihui	Professor	Ph. D	Applied Electrochemistry, Surface Treatment Technology	Modern Surface Engineering and Technology, Specialized English of Applied Chemistry, Comprehensive Experiment of Applied Chemistry Profession
7	Zhang Xiaohua	Associate Professor	Ph. D	Electrochemical Methods and Testing Technology, Nanomaterials	Inhibitor and Rust-proof Technology, Colloid and Interfacial Chemistry, Specialized English of Applied Chemistry, Comprehensive Experiment of Applied Chemistry Profession
8	Chen Zhongxue	Assistant Professor	Ph. D	Applied Electrochemistry, Materials in Energy and Environment	Electroplating Principle and Technology, Materials Research Methods, Comprehensive Experiment of Applied Chemistry Profession
9	Deng Jianru	Professor	M. S.	Polymer Chemistry, Applied Chemistry	Polymer and Coatings Chemistry
10	Zhou Jun	Associate Professor	Ph. D	Inorganic Chemistry, Chemical Thermodynamics	Inorganic Chemistry, Material Physics and Chemistry
11	He Fengjiao	Professor	Ph. D	Electrochemical Methods and Testing Technology, Nanomaterials Electrochemistry, Inorganic Chemistry	Inorganic Chemistry, Inorganic Chemistry Experiment
12	Deng Wei	Lecturer	Ph. D	Inorganic Chemistry	Inorganic Chemistry A, General Chemistry, Basic Operation of Chemical Experiment, Basic Inorganic Chemistry Experiment
13	Yu Gang	Professor	Ph. D	Electrode Position, Nan Electrochemistry, Corrosion Electrochemistry, Special Coating	Physical Chemistry I, Physical Chemistry II, Chemistry Frontier
14	Cai Shuanglian	Lecturer	M. S.	Experiment and Practice	Basic Organic Chemistry Experiment, Basic Operation of Chemical Experiment
15	Sun Yue	Lecturer	M. S.	Experiment and Practice	Basic Physical Chemistry Experiment, Basic Operation of Chemical Experiment
16	Li Guizhi	Lecturer	M. S.	Experiment and Practice	Basic Inorganic Chemistry Experiment, Basic Operation of Chemical Experiment

Cont

No.	Name	Academic Title	Educational Background	Research Areas	Courses (Disciplinary Core Courses, Disciplinary Electives, General Electives)
17	Gao Na	Lecturer	M. S.	Experiment and Practice	Basic Analytical Chemistry Experiment, Basic Operation of Chemical Experiment
18	Xu Xinhua	Professor	Ph. D	Organic Chemistry	Organic Chemistry I
19	Chu Xia	Professor	Ph. D	Analytical Chemistry	Analytical Chemistry A
20	Huang Yan	Associate Professor	Ph. D	Analytical Chemistry	Biochemistry, Basic Analytical Chemistry Experiment
21	Yi Haibo	Associate Professor	Ph. D	Structural Chemistry	Structural Chemistry
21	Xu Weijian	Professor	Ph. D	Polymer Chemistry	Polymer Chemistry, Chemical Product Design
22	Yin Shuangfeng	Professor	Ph. D	Industrial Catalysis, Applied Chemistry	Principles of Chemical Engineering, Chemical Engineering Frontier, Chemical Design, Chemical Technology Innovation
23	Chao Zisheng	Professor	Ph. D	Green Chemistry, Industrial Catalysis	Chemical Engineering Frontier, Catalysis Principles and Applications
25	Guo Dongcai	Professor	Ph. D	Chemical Technology	Chemical Technology
26	Xiong Yuanqin	Associate Professor	BS	Polymer Chemistry, Fine Chemicals, Instrument	Formulation Design for Fine Chemical Products
27	Liang Zhiwu	Professor	Ph. D	Chemical Engineering	Chemical Safety Technology, Chemical Machinery
28	Lu Yanbing	Associate Professor	Ph. D	Polymer Chemistry	Polymer Structure and Properties
29	Xia Xinnian	Associate Professor	Ph. D	Polymer Synthesis, Chemical Design	New Separation Technology, Integrated Design of Chemical Engineering
30	Li Wensheng	Associate Professor	M. S.	Chemical Technology, New Catalytic Material	Principles of Chemical Engineering, Principles of Chemical Engineering Experiment, Course Design of Principles of Chemical Engineering
31	Ren Yanqun	Lecturer	M. S.	Industrial Catalysis	Chemical Design, Analysis and Synthesis of Chemical Process
32	Yang Sentao	Lecturer	M. S.	Synthesis of Chemicals and Process Optimization	Principles of Chemical Engineering, Principles of Chemical Engineering Experiment, Principles of Chemical Engineering Courses Design
33	Luo Weiping	Lecturer	Ph. D	Synthesis and Process Optimization of Fine Chemicals, Green Chemistry	Introduction to Environmental Science and Engineering, Biochemical Basis

Cont					
No.	Name	Academic Title	Educational Background	Research Areas	Courses（Disciplinary Core Courses, Disciplinary Electives, General Electives）
34	Na Yanqing	Associate Professor	BS	Experiment and Practice	Principles of Chemical Engineering Experiment, General Chemistry Experiment,Chemistry Experiment
35	Zhao Jingzhe	Professor	Ph. D	Inorganic Chemistry	Inorganic Chemistry
36	Wu Hailong	Professor	Ph. D	Analytical Chemistry, Stoichiometry	Analytical Chemistry II , Chemistry Frontier,Stoichiometry
37	Zhu lei	Associate Professor	Ph. D	Analytical Chemistry	Inorganic Chemistry
38	Zhou Yongbo	Lecturer	Ph. D	Organic Chemistry	Organic Chemistry
39	Ou Encai	research assistant	Ph. D	polymersynthesis	Modern Separation Science and Technology, General Chemistry, Chemical Product Design

VII. Professor in charge

No.	Name	Academic Title	Educational Background	Research Areas	Courses
1	Liu Yali	Professor	Ph. D	Polymer Synthesis and Application,Metal Surface Treatment	Polymer and Coatings Chemistry, Coating Technology

（翻译人:刘娅莉）