

1. SCHOOL OF EDUCATION

Category	Program Name	Research Area	Medium of Instruction	Duration	Degree Awarded
Master's Program	Education	01 Comparative Education	English	3 Years	Master of Pedagogy
		02 Higher Education			
	Educational Economics and Management	01 Educational Management	English	3 Years	Master of Management

2. SCHOOL OF BUSINESS

Category	Program Name	Research Area	Medium of Instruction	Duration	Degree Awarded
Master's Program	International Economics and Trade	International Economics and Trade	English	3 Years	Master of Economics

3. SCHOOL OF TOURISM MANAGEMENT

Category	Program Name	Research Area	Medium of Instruction	Duration	Degree Awarded
Master's Program	Tourism Management	01 Tourism Planning and Development	English	3 Years	Master of Management
		02 Tourism Enterprise Management			

4. CHEMICAL ENGINEERING AND ENERGY

Category	Program Name	Research Area	Medium of Instruction	Duration	Degree Awarded
	Thermal Engineering	01 Thermal System Optimization Technology	English	3 years	Master of Science in Engineering
		02 Micro Energy Systems & Micro-scale Energy Conversion Technology			
		03 The Modern Use of Renewable Energy			
		04 Industrial Energy Saving Technology & Equipment			
		05 Waste Heat Recovery & Utilization Technology			
	Refrigeration & Cryogenic Engineering	01 Refrigeration & Cryogenic Technology & Equipment	English	3 years	Master of Science in Engineering
		02 Automatic Control Technology of Refrigeration & Air Conditioning System			
		03 Simulation & Optimization of Refrigeration & Cryogenic Systems			
		04 Energy Storage Technology			
		05 Low Temperature Heat Pump Air Conditioning System & Technology			
	Chemical Process Machanism	01 Fluid Flow Heat Transfer Value	English	3 years	Master of Science in Engineering
		02 CAD/CAE/CAM Process Equipment CAD/CAE/CAM			
		03 Process Equipment Intensification & Control			

	04 Biological Separation Technology & Equipment			
	05 Process Equipment System Security			
Chemical Engineering	01 Particles & Separation Engineering	English	3 years	Master of Science in Engineering
	02 Chemical Thermodynamics			
	03 Chemical Reaction Engineering			
	04 Chemical Separation Engineering			
	05 Momentum Heat & Mass Transfer			
Chemical Technology	01 Green Processing & Use of Low Rank Mineral Resources	English	3 years	Master of Science in Engineering
	02 Catalysis & Materials Chemical Industry			
	03 Fine Chemical Technology			
	04 Green Chemical Technology			
	05 Electrochemical Engineering & Technology			
Biochemical Engineering	01 Renewable Energy Utilization Technology	English	3 years	Master of Science in Engineering
	02 Biotransformation & Bioreactor			
Applied Chemistry	01 Fine Organic Chemicals Green Chemistry & Technology	English	3 years	Master of Science in Engineering
	02 Extraction & Application of Bioactive Substances in Natural			

Master's Program		03 Ogano Electrochemistry Synthesis & Application			Engineering
		04 Synthesis & Application of Functional Materials			
	Industrial Catalysis	01 Development of New Catalytic Materials & New Catalytic Reactions	English	3 years	Master of Science in Engineering
		02 Green Catalysis			
		03 Catalytic Reaction Engineering			
		04 In Situ Characterization Techniques			
	Pharmaceutical Engineering	01 Pharmaceutical Engineering & Technology	English	3 years	Master of Science in Engineering
		02 Synthesis Process & Technology of Drugs & Intermediates			
		03 Extraction & Drug Separation Technology of Natural Drug			
		04 Pharmaceutical Preparations Engineering			
		05 Medicinal Chemistry			
	Environmental Science	01 Environmental Monitoring & Evaluation Technology	English	3 years	Master of Science in Engineering
		02 Environmental Remediation of Environmental Pollution			
		03 Theory & Technology of Environmental Pollution Control			

	04 Environmental Biology & Technology			
	05 Control Theory & Technology of Water Pollution			
Environmental Engineering	01 Air Pollution Control Engineering	English	3 years	Master of Science in Engineering
	02 New Waste Water Treatment Technology & Equipment			
	03 Clean Production Theory & Technology			
	04 Solid Waste Treatment & Recycling			
Chemical Engineering	01 Fine Chemical Industry	English	3 years	Master of Engineering
	02 Coal Chemical Industry			
	03 Material Chemical Industry			
	04 Metallurgy Chemical Industry			
	05 Environmental Chemical Industry			
	06 Biological Chemical Industry			
Power Engineering	01 Thermal Engineering	English	3 years	Master of Engineering
	02 Power Machinery & Engineering			
	03 Refrigeration & Low Temperature Engineering			
	04 Chemical Process Machinery			

	05 Petroleum & Chemical Process Equipment Energy Saving Technology			
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5. SCHOOL OF CIVIL ENGINEERING

Category	Program Name	Research Area	Medium of Instruction	Duration	Degree Awarded
	Geotechnical Engineering	01 Construction Mechanics of Foundation Pit Support Engineering	English	3 Years	Master of Science in Engineering
		02 Geotechnical Engineering Safety Monitoring Technology			
		03 Foundation Deformation Theory and Control Technology			
	Structural Engineering	01 Theory and Application of Concrete Structure Design	English	3 Years	Master of Science in Engineering
		02 Structural Design Theory and Application			
		03 Structural Analysis and Design of Civil Engineering			
		04 Detection and Evaluation of Engineering Structures			
		05 Construction Technology of Engineering Structure			
	Heating, Gas Supply, Ventilation and Air Conditioning Engineering	01 Green Building and Air Conditioning System Energy Conservation Technology	English	3 Years	Master of Science in Engineering
		02 Study on Simulation and Control of Building Environment			

Master's Program

Disaster Prevention and Mitigation Engineering	01 Fiber Reinforced Concrete and Structural Performance	English	3 Years	Master of Science in Engineering
	02 Durability of Engineering Materials and Structures			
	03 Earthquake Resistance and Disaster Reduction of Engineering Structures			
Bridge and Tunnel Engineering	01 Theory and Application of Bridge Structure Design	English	3 Years	Master of Science in Engineering
	02 Bridge Monitoring, Safety Evaluation and Reinforcement Technology			
	03 Dynamic Analysis of Bridge Structures			
Road and Railway Engineering	01 Road Network Planning and Design	English	3 Years	Master of Science in Engineering
	02 Subgrade Stability and Settlement Control Technology			
	03 Theory and Method of Engineering Structure Design			
	04 Transportation Planning and Management			
Architecture & Civil Engineering	01 Civil Engineering	Chinese & English	3 Years	Master of Engineering
	02 Engineering Management			
	03 Architectural Environment			
	01 Engineering Economics and Management			

	Management Science and Engineering	02 Investment Decision Theory and Method	English	3 Years	Master of Science in Engineering
		03 Pproject Management			
		04 Building Construction Information			

6. SCHOOL OF LIFE SCIENCES

Category	Program Name	Research Area	Medium of Instruction	Duration	Degree Awarded
	Botanty	01 Molecular Regulation of Plant Traits	English	3 Years	Master of Science
		02 Plant Molecular Biology			
		03 Plant Resources and Systematics			
		04 Plant Physiology and Biochemistry			
	Zoology	01 Animal Ecology and Conservation	English	3 Years	Master of Science
		02 Molecular Ecology and Bioinformatics			
		03 Pathogen Molecular Biology			
	Microbiology	01 Microbial Pharmaceutics and Metabolic Engineering	English	3 Years	Master of Science
		02 Tobacco Bioengineering			
		03 Microbial Application Technology			
		01 Systems Biology of Hematopoiesis			
		02 Immunology of Cancer Cell			

Master's Program

Cell Biology	03 Molecular Cell Biology of Cancer	English	3 Years	Master of Science
	04 Animal Molecular Immunology			
	05 Stem Cells and Regenerative Medicine			
Biochemistry and Molecular Biology	01 Molecular Immunology and Immunoregulation	English	3 Years	Master of Science
	02 Tumor Immunity and Polypeptide Drugs			
	03 Stem Cells and Genetic Engineering Drugs			
	04 Molecular Recognition and Biological Signal Sensing			
	05 Food Biotechnology			
	06 Research and Development of Feeding Probiotics			
Crop Genetics and Breeding	01 Plant Genetic Engineering	English	3 Years	Master of Agriculture
	02 Plant Cell Engineering			
	03 Environmental Interaction with Abiotic Stress of Plants			
Bioengineering	01 Cell Engineering and Genetic Engineering Drugs	English	3 Years	Master of Engineering
	02 Biochemistry and Bioengineering Drugs			
	03 Microbial Engineering and Microbial Transformation			
	04 Tobacco Bioengineering			
	05 Animal Biotechnology			

	06 Plant Biotechnology		
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7. SCHOOL OF INFORMATION ENGINEERING

Category	Program Name	Research Area	Medium of Instruction	Duration	Degree Awarded
	Information and Communication Engineering	01 Communication Signal Processing	English	3 Years	Master of Science in Engineering
		02 Broadband Wireless Mobile Communications			
		03 Intelligent Information Processing			
		04 Optical Communication and Optoelectronic Information Processing			
		05 Biomedical Signal Processing			
		06 Embedded Intelligent Terminal			
		07 Modern Electronic Systems and Integration			
	Software Engineering	01 Intelligent System and Software Intelligent Technology	English	3 Years	Master of Science in Engineering
		02S oftware Formal Method and Model Detection			
		03 Multimedia Application System and Software Middleware			
		04 Cloud Computing and Software Architecture			

Master's Program	Electronic and Communication Engineering	01 Signal Processing Technology and Application	English	3 Years	Master of Engineering
		02 Wireless Mobile Communication Technology			
		03 Intelligent Control and Embedded System			
		04 Intelligent Interaction and Image Processing Technology			
		05 Biomedical Information Processing Technology			
		06 Optical Communication and Optoelectronic Information Technology			
		07 Integrated Circuit Design			
	Software Engineering	01 Intelligent Software Development Technology and Application	English	3 Years	Master of Engineering
		02 Software Services & Applications			
		03 Cloud Computing Platform and Mobile Platform Software Development Technology			
		04 Development of Multimedia Software			

8. SCHOOL OF PHARMACY

Category	Program Name	Research Area	Medium of Instruction	Duration	Degree Awarded
Master's Program	Medicinal Chemistry	01 Research of Drug Design and Synthesis	English	3 Years	Master of Science in Medicine
		02 Resreach of Natural Pharmaceutical Chemistry			
		03 Research of Drug Synthetic Method			
		04 Research of Sugar-Derived Chiral Druss			
		05 Research of the Separation and Analysis of Chiral Drugs			
	Pharmaceutics	01 Novel Drug Delivery System	English	3 Years	Master of Science in Medicine
		02 Biopharmaceutics			
	Pharmacognosy	01 Research of Chemical Constituents of Chinese Traditional Medicine	English	3 Years	Master of Science in Medicine
		02 Development of Traditional Chinese Medicine			
		03 Medicinal Chemistry of Natural Products			
	Pharmaceutical Analysis	01 Chromatographic Analysis of Pharmaceuticals	English	3 Years	Master of Science in Medicine
		02 Biopharmaceutical Analysis and Its Metabolic Analysis			
		03 Drug Quality Control and Research			
		04 Drug Analysis and Drug Quality Standards			
Microbiology & Biochemical Pharmacy	01 Microbial Biotransformation for the New Drug Discovery	English	3 Years	Master of Science in Medicine	
	02 Molecular Biology and Biochemical Pharmacy				
		01 Pharmacokinetics for New Drug Development			

Pharmacology	02 Biochemical Pharmacology	English	3 Years	Master of Science in Medicine
	03 Cardiovascular and Endocrine Pharmacology			
	04 Tumor and Molecular Pharmacology			
	05 Clinical Evaluation and Rational Use of Drugs			
Pharmacy Administration	01 Medical Economic Management	English	3 Years	Master of Science in Medicine
	02 Drug Quality Management			
	03 Pharmacy Marketing			
	04 Pharmaceutical Affairs Law and Regulation			
Pharmacy	01 Quality Control of Drugs	English	3 Years	Master of Pharmacy
	02 Safety Evaluation of Drugs			
	03 Monitoring of Drug Adverse Reactions(ADR)			
	04 Research of Clinical Pharmacy			
	05 Research of the Key Technology of Drug Preparation			