Bachelor-degree Programs

- International Trade（Business）
- Software Engineering
- Electrical Engineering
- Civil Engineering
- Pharmaceutical Engineering

1 International Trade（Business）

Program Introduction: This program aims at the cultivation of advanced，specialized and interdisciplinary talents for business ventures. Graduates will be acquainted with knowledge of prevailing rules, practices and related policies and regulations of international trade.

Key Courses: Economics, World Economy, Consumer Behavior, Principles of International Trade, International Marketing, China's foreign trade, E-commerce,WTO rules etc..

2 Software Engineering

Program Introduction: The Software Engineering program is designed to develop senior software engineers with solid knowledge foundation of computer science and software engineering to serve enterprises and public sectors.

Key Courses:C++ Programming Design,Compiler Principle,Computer Networks, Object-oriented Modeling,Database System,Java Programing Language,Software Architecture etc.

3 Electrical Engineering

Program Introduction: Electrical Engineering (EE) educates students in electrical engineering, control, information, electronics,computer technology, and giving students great opportunity to grasp the basic theories and related knowledge in engineering, economics, and management science.

Key Courses: Electric Circuits,Analog Electronics,Digital Electronics,Signals and

Systems,linear control systems,Electricity and Magnetism,Electric Machines,Power System Analysis,Power Electronics etc..

4 Civil Engineering

Program Introduction: The program is designed to cultivate students who can be equipped with the knowledge system required by the practicing qualifications such as structure, geotechnical and equipment engineer, construction engineer, supervising engineer, cost engineer and engineering test evaluator and can engage in the work related to the relevant majors of Architecture and Civil Engineering such as design, construction, test, operation and management.

Key Courses: Structural Mechanics,Civil Engineering Material, Engineering Surveying, Building Construction, Structural Design of Multiple-story and High-rise Buildings, Civil Construction and Organization Management, Engineering Cost, Earthquake Resistance of Engineering Structureetc.

5 Pharmaceutical Engineering

Program Introduction: Pharmaceutical Engineering program is designed to educate high-level engineers with professional knowledge of designing and manufacturing of products, processesand components in the pharmaceuticals industry as well as with knowledge of management science.

Key Courses: medicinal chemistry, analytical chemistry, pharmacology, pharmacy, chemical engineering, biomedical engineering, Medicinal analysis,Pharmaceutical technology etc.

Master-degree Programs

- International Trade （Business）
- Architectural and Civil Engineering
- Computer Science and Technology
- Electrical Engineering
- Mechanical Engineering

- Metallurgical Engineering

1 International Trade (Business)

Program Introduction: This program aims at the cultivation of high-level professional talents for business ventures and business research with good mastering of knowledge and practical skills about economics and international trade.

Key Courses: Principles of Management,Economics, International Marketing, International Economics, China's foreign trade, World Economy, International Finance, Practice of International Trade etc..

2 Architectural and Civil Engineering

Program Introduction: The program is designed to cultivate the high-level application-oriented professionalsmastering professional knowledge about structure, geotechnical and equipment engineering, construction engineering, supervising engineering, cost engineering and engineering test evaluator to engage in the work related to the relevant majors of Architecture and Civil Engineering such as design, construction, test, operation and management.

Key Courses: Structural Engineering,Disaster Prevention and Reduction Engineering and Protective Engineering,Bridge and Tunnel Engineering,Geotechnical Engineering,Civil Engineering Construction and Management,Municipal Engineering,Green Building,Heating,Gas Supply,Ventilating and Air Conditioning Engineering,Architecture and Planning etc.

3 Computer Science and Technology

Program Introduction: The aims of the Master Program of Computer Science and Technology are cultivating advanced specialists with professional knowledge in computer theoretical research enabling design and development of software/hardware system, andto solve the practical problems by using computer technologies.

Key Courses: Fundamentals of Image Analysis,Machine Learning,Design and Analysis of Computer Algorithms,Pattern Recognition Technology,Computer vision and Deep Learning,The Formal semantics of programming languages,Internet of things etc.

4 Electrical Engineering

Program Introduction: The program is designed to educate senior engineers with solid knowledge of electrical technology, information system, communication technology, skills and network to engage in designing, manufacturing, application and research work on electronic appliances, information system and communication technology.

Key Courses: Modern motor theory and control system,Modern power electronics and its control,Modern control theory,Power technology and its application,Power electronics and modern life,Power devices and application,Flexible power supply system etc.

5 Mechanical Engineering

Program Introduction: Theprogramaims to cultivate senior engineers mastering the knowledge of modern mechanical design, bionic machine design, robotics and its application, the integrative technique of mechanics-electronics-hydraulics and other aspects for independent work, research and innovation, being competentfor scientific research, engineering work in mechanical engineering field and related fields.

Key Courses: Mechanical Dynamics,Advanced Mechanisms,Robotics,Theory & Application of Finite Element Method,Signal Processing and Testing Technology,Automatic Dynamic Analysis of Mechanical Systems,Mechatronics Control System,Modern Control Theory etc.

6 Metallurgical Engineering

Program Introduction: The master of metallurgical engineering should have basic theories of metallurgical engineering, and knowledge system of metallurgical process analysis and detection, development of technical process, efficient and clean utilization of resources, energy-saving and emission-reduction, and protection of ecological environment. The graduate is expected to become high-level technical talents of doing ironmaking, steelmaking, optimization of nonferrous metal smelting technique, energy-saving and emission-reduction of metallurgical process, efficient and recycling utilization of resources, smelting theories and technics of clean steels, metallurgical

process simulation and electromagnetic metallurgy et al., and possessing the innovation spirit, creative ability and business startup quality.

Key Courses: New Metallurgical Technology， Metallurgical Thermodynamics，Principles of Metallurgical Transport，Ironmaking Theory and Process，Theory and Process of Clean Steels，Comprehensive Utilization of Metallurgical Resources，Analytical and Testing Methods for Metallurgical Material, Theory and Application of Metallurgical Reactors.

Doctor–degree Programs

Metallurgical Engineering

- Physical Chemistry of Metallurgy
- Ferrous Metallurgy
- Non-ferrous Metallurgy

Materials Science and Engineering

- Materials Physics and Chemistry
- Materials Science
- Materials Processing Engineering