

Major: Pharmacy

Years of Study: Four Years Degree: Bachelor of Science

Professional requirements and goals: students in this major should master the basic theories and basic knowledge of each branch of pharmacy and receive basic training in pharmaceutical research methods and skills. They also need to have a solid foundation and broad expertise. This major will train senior scientific and technical personnel who can work in medicinal chemistry, drug analysis, drug evaluation, clinical rational drug use, pharmaceutical management and administration, new drug research and development, drug production and management.

Major courses: College English, Advanced Mathematics, Linear Algebra, Mathematical Statistics, Physics, Inorganic Chemistry, Analytical Chemistry, Organic Chemistry, Physical Chemistry, Biochemistry and Molecular Biology, Microbiology, Natural Medicinal Chemistry, Medicinal Chemistry, Pharmacognosy, Pharmacology, Pharmacy, Pharmacokinetics, Pharmaceutical Analysis, Clinical Pharmacology, Cell Biology, Pathophysiology, Drug Toxicology, Pharmacy Medical Foundation, Introduction to Clinical Medicine, etc.

Major: Pharmaceutical Preparation

Years of Study: Four Years Degree: Bachelor of Science

Professional requirements and goals: students in this major should master the basic theories, basic knowledge and skills of pharmacy and pharmaceuticals, as well as the design principles, preparation methods and production techniques of pharmaceutical dosage forms. They also need basic abilities such as dosage form and preparation design, process technology design, quality control and drug analysis. This major

will train senior scientific and technical personnel who can work in the research and development of pharmaceutical dosage forms and preparations, the production, preparation and quality control of pharmaceutical preparations and the management of pharmaceutical enterprises.

Major courses: College English, Advanced Mathematics, Linear Algebra, Mathematical Statistics, Physics, Inorganic Chemistry, Analytical Chemistry, Organic Chemistry, Physical Chemistry, Biochemistry and Molecular Biology, Microbiology, Pharmaceutical Chemistry, Principles of Chemical engineering, Pharmacology, Drug Chromatography, Industrial pharmacy, Biopharmaceutics and Pharmacokinetics, Medicinal Polymer Materials, Formulation Engineering, Pharmaceutical Analysis, Pharmaceutical Information Retrieval, etc.

Major: Pharmaceutical Analysis

Years of Study: Four Years Degree: Bachelor of Science

Professional requirements and goals: students in this major should have basic theories and skills in chemistry, biology and pharmacy. They also should be proficient in domestic and international pharmaceutical production quality management standards and regulations and standard systems of drug quality supervision and management. This major will train senior scientific and technical personnel who can work in drug analysis, drug quality control and management, and clinical drug monitoring in the fields of drug research, production, circulation and clinical use.

Major courses: College English, Advanced Mathematics, Linear Algebra, Mathematical Statistics, Physics, Inorganic Chemistry, Basic Chemistry, Organic Chemistry, Physical Chemistry, Biochemistry, Human Anatomy and Physiology, Microbiology, Introduction to Clinical Medicine, Medicinal Chemistry,

Pharmacy, Pharmacy and Natural Medicinal Chemistry, Pharmacology and Toxicology, Pharmacokinetics, Drug Chromatography, Drug Spectroscopy, in vivo Drug and Toxicology Analysis, Chinese Medicine Analysis, Pharmaceutical Analysis, Pharmacy Management and Regulations, etc.

Major: Medicinal Chemistry

Years of Study: Four Years Degree: Bachelor of Science

Professional requirements and goals: students in this major should master the basic theories, basic knowledge and experimental skills of pharmaceutical chemistry, the basic theories and techniques of new drug design and synthetic route design, and the basic skills and methods of drug production process research. They also should be familiar with the standard of drug production quality and management and understand the relationship between green chemistry and environmental protection. This major will train senior scientific and technical personnel who can work in new drug molecular design, lead compound discovery and optimization, chemical synthesis and production processes.

Major courses: College English, Advanced Mathematics, Linear Algebra, Mathematical Statistics, Physics, Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Analytical Chemistry, Biochemistry and Molecular Biology, Chemical Biology, Microbiology, Natural Medicinal Chemistry, Pharmaceutical Synthesis, Chemicals Principles, Drug Spectrum Analysis and Analysis, Medicinal Chemistry, Pharmacology, Pharmacy, Introduction to Clinical Medicine, Pharmacokinetics, Computer-aided Drug Design, Professional English Literature, etc.

Major: Traditional Chinese Pharmacy

Years of Study: Four Years Degree: Bachelor of Science

Professional requirements and goals: students in this major should master the basic theories and basic knowledge of Traditional Chinese Pharmacy, and master the basic knowledge and basic methods of applying modern science and technology to research and develop Traditional Chinese Pharmacies and natural medicines. This major will train senior specialists who can adapt modernization and internationalization of Traditional Chinese Pharmacy and modern development of large health industry, who have high humanistic literacy, inheritance and development thinking, scientific innovation ability and international vision and who can work in the analysis and identification of Traditional Chinese Pharmacy, quality evaluation, preparation, pharmacological research of Traditional Chinese Pharmacy and other work related in Traditional Chinese Pharmacy research, production and management.

Major courses: College English, Advanced Mathematics, Mathematical Statistics, Physics, Basic Chemistry, Organic Chemistry, Physical Chemistry, Basic Theory of Traditional Chinese Pharmacy, Traditional Chinese Pharmacy, Formulas of Chinese Medicine, Medicinal Botany, Spectral Analysis, Chromatographic Spectroscopy, Biochemistry, Microbiology, Human Anatomy and Physiology, Pharmacology, Herbal Classics, Traditional Chinese Pharmacy Processing, Traditional Chinese Pharmacy Chemistry, Traditional Chinese Pharmacy Identification, Traditional Chinese Pharmacy Pharmacy, Traditional Chinese Pharmacy Analysis, Traditional Chinese Pharmacy Pharmacology. The Hongjing Guozhen experimental class has also added a Traditional Chinese Pharmacy Microscopic Identification and three summer international courses.

Major: Traditional Chinese Pharmacy Resources and Development

Years of Study: Four Years Degree: Bachelor of Science

Professional requirements and goals: students in this major should master the basic theories and basic knowledge of Traditional Chinese Pharmacy, as well as the knowledge and skills in the investigation and analysis of Traditional Chinese Pharmacy resources, the production and processing of Chinese herbal medicines, and the development and utilization of Traditional Chinese Pharmacy resources. This major will train senior specialists who can work in the investigation of Traditional Chinese Pharmacy resources, the production of Chinese herbal medicines, the quality analysis and quality evaluation of Chinese herbal medicines, the procurement of Chinese medicine raw materials, the research and development of new Traditional Chinese Pharmacies and health products, etc.

Major courses: College English, Advanced Mathematics, Mathematical Statistics, Physics, Basic Chemistry, Organic Chemistry, Basics of Traditional Chinese Pharmacy, Medicinal Botany, Spectral Analysis, Instrumental Analysis, Biochemistry, Physiological Pharmacology, Herbal Classics, Plant Physiology and Ecology, Medicine Plant Cultivation, Traditional Chinese Pharmacy Resources, Traditional Chinese Pharmacy Biotechnology, Traditional Chinese Pharmacy Chemistry, Traditional Chinese Pharmacy Identification, Traditional Chinese Pharmacy Pharmacy, Chinese Herbal Medicine Processing and Preparing, Traditional Chinese Pharmacy Analysis, Traditional Chinese Pharmacy Pharmacology. The Chinese medicine decoction pieces and functional product development experiment class has also added courses on Traditional Chinese

Pharmacy Diet Therapy, Traditional Chinese Pharmacy New Drug and Health Food Development.

Major: Chinese Pharmaceutical Manufacturing

Years of Study: Four Years Degree: Bachelor of Engineering

Professional requirements and goals: students in this major should master the basic theories and knowledge of Chinese pharmacy, the preparation of natural medicinal substances, the processing of Traditional Chinese Pharmacy and the basic principles, manufacturing techniques and related knowledge and skills of Traditional Chinese Pharmacy. This major will train senior engineering and technical personnel who can study the production of Traditional Chinese Pharmacy active substances, Traditional Chinese Pharmacy preparations, process design and product development, quality control, and can work in Traditional Chinese Pharmacy production, process research, technology application and quality management.

Major courses: College English, Advanced Mathematics, Mathematical Statistics, Physics, Basic Chemistry, Organic Chemistry, Physical Chemistry, Basic Theory of Traditional Chinese Pharmacy, Traditional Chinese Pharmacy Formula, Medicinal Botany, Spectral Analysis, Instrumental Analysis, Biochemistry, Microbiology, Human Anatomy and Physiology, Pharmacology, Herbal Classics, Traditional Chinese Pharmacy Chemistry, Traditional Chinese Pharmacy Identification, Traditional Chinese Pharmacy Pharmacy, Traditional Chinese Pharmacy Processing, Medicinal Polymer Materials, Traditional Chinese Pharmacy Preparation Process Equipment and Application, Traditional Chinese Pharmacy Bio-pharmaceutics, Traditional Chinese Pharmacy Pharmaceutical Engineering,

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Traditional Chinese Pharmacy Preparation Analysis, etc. The Traditional Chinese Pharmacy cosmetics experimental class has also added courses on Traditional Chinese Pharmacy and beauty, Traditional Chinese Pharmacy cosmetics, and skin pharmacology and toxicology.

Major: Biotechnology

Years of Study: Four Years Degree: Bachelor of Science

Professional requirements and goals: students in this major should master modern biotechnology theory and professional skills. This major will train professional and technical personnel who can work in research, development, production, quality control, process design and production management in biotechnology and biotechnology-related fields. After graduation, students can work in the field of bio-medicine, as well as research and development, production, management and sales of bio-pharmaceuticals and health products.

Major courses: College English, Advanced Mathematics, Linear Algebra, Mathematical Statistics, Physics, Inorganic Chemistry, Analytical Chemistry, Organic Chemistry, Physical Chemistry, Biochemistry, Microbiology, Human Anatomy and Physiology, Cell Biology, Pharmacology, Molecular Biology, Immunology, Bio-pharmaceutical Technology, Biochemical Drug Analysis, Biotechnology Pharmacology, Biotechnology, Genetics, Antibiotics, etc.

Major: Marine Pharmacy

Years of Study: Four Years Degree: Bachelor of Science

Professional requirements and goals: This major is the first batch of China Pharmaceutical University approved by the Ministry of Education, and is also the only undergraduate major

in marine medicine in China. In 2004, it recruited undergraduate student, and in 2006, it formally recruited graduate students and doctoral students in marine pharmacy. It aims to train professional and technical personnel who can engage in marine drug research, production and process design, and marine bioengineering technology research through teaching the basic theories of pharmacy, marine biology, and basic professional skills in modern biotechnology. After graduation, students can engage in related work in the field of bio–medicine, as well as work related to the development and utilization of marine living resources and marine drug development, including: drug research and development, quality control, production management, drug sales, etc.

Major courses: College English, Advanced Mathematics, Linear Algebra, Mathematical Statistics, Physics, Inorganic Chemistry, Analytical Chemistry, Organic Chemistry, Physical Chemistry, Biochemistry, Microbiology, Genetics, Pharmacology, Human Anatomy and Physiology, Bio–pharmaceutical Technology, Marine Life Studies, Marine Medicinal Chemistry, Marine Medicinal Bio–resources, Marine Drug Biotechnology, Marine Pharmacy.

Major: Bio-pharmaceuticals

Years of Study: Four Years Degree: Bachelor of Engineering

Professional requirements and goals: students in this major should master the basic theories and basic professional skills of biochemistry, microbiology, biochemical separation and analysis technology, biochemical and modern industrial pharmacy, as well as the principles of modern bioengineering technology and the basic professional skills of biotechnology pharmaceuticals. This major will train senior scientific and technical personnel

who can work in research and development, production and process design, quality control, production management, and marketing of products related to bio-pharmaceuticals, bio-medicine, and related products.

Major courses: College English, Advanced Mathematics, Linear Algebra, Mathematical Statistics, Physics, Inorganic Chemistry, Analytical Chemistry, Organic Chemistry, Physical Chemistry, Biochemistry, Microbiology, Molecular Biology, Principles of Chemical Engineering, Pharmaceutical Engineering Drawing, Medicinal Bio-resources, Biotechnology Pharmacology, Bio-pharmaceutical Technology, Bioengineering, Bio-pharmaceutical Equipment and Automation, Antibiotics, Industrial Fermentation Technology, Physiological Pharmacology, Pharmacy, Biochemical Drug Analysis, etc.

Major: International Economics and Trade

Years of Study: Four Years Degree: Bachelor of Economy

Professional requirements and goals: students in this major should master the multidisciplinary theories and methods of Western economics, international economics, international trade, sociology, management, etc., and have a comprehensive grasp of the basic knowledge of pharmacy and foreign trade English. They also need to accept basic training of international trade practice and have basic skills in theoretical analysis and practical skills in medical foreign trade. Students in this major should understand the current development of international economic trade, be familiar with the prevailing international trade rules and practices and China's foreign trade policies and regulations, and understand the social and economic conditions and foreign trade policies and measures of major countries or regions in the world. This major will train senior professionals

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who can engage in the operation, management, international market development and publicity planning of pharmaceutical international trade operations, such as government–related pharmaceutical foreign economic and trade departments, specialized pharmaceutical foreign trade companies, and pharmaceutical industry and commerce enterprise foreign trade department.

Major courses: College English, Economic Mathematics, Linear Algebra, Mathematical Statistics, Introduction to Pharmacy, Basic Chemistry, Chemical Medicine, Basics of Traditional Chinese Pharmacy, Analysis and Pharmaceuticals, Biochemical Drugs, Pharmacy, Physiology and Pharmacology, Introduction to Clinical Medicine, Basic Accounting, Statistics Principles, International Trade, Western Economics, International Commercial Law, International Finance, Pharmaceutical Import and Export Business, Service Trade and Technology Trade, International Marketing, Foreign Trade Transportation and Insurance, International Taxation, Foreign Trade Internship, Foreign Trade English and Correspondence, Foreign Trade English Intensive Reading, International Business Negotiations (Conversation), Foreign Trade English Extensive Reading, Trade English Newspapers and Periodicals, Pharmacy English, Pharmaceutical Information Retrieval, International Settlement, International Trade Geography, International Pharmacy Regulations, etc.

Major: Business Management

Years of Study: Four Years
Management

Degree: Bachelor of

Professional requirements and goals: this major aims to cultivate the “composite + double–creative” medical management talents who have the core values of socialism and

a sense of social responsibility, public awareness and innovation, who can adapt to the needs of national economic construction, possess humanistic spirit and scientific literacy and master modern economic management theories and management methods, who have a background in pharmacy knowledge and international vision, local feelings, innovation consciousness, team spirit and communication skills and who can comprehensively apply management theory and practice technology combined with medical professional knowledge to serve for the enterprises and institutions, administrative departments and other organizations. This major has been rated as a specialty of Jiangsu Province and school-level brand cultivation major. It is one of the majors that have the right to grant independent master's degrees in our school. It is also the first undergraduate major for international medical business schools to enroll students, and the discipline construction is profound. After graduation, students can engage in management, teaching, and research work in pharmaceutical enterprises, related scientific research institutions, and government departments, or have further study in this major. This major has gradually become an important training platform for management positions such as pharmaceutical supervision, pharmaceutical logistics, financial management and human resource management.

Major courses: College English, Economic Mathematics, Linear Algebra, Mathematical Statistics, Basic Chemistry, Chemical Medicine, Basics of Traditional Chinese Pharmacy, Analysis and Drug Division, Biochemical Drugs, Pharmacy, Physiological Pharmacology, Introduction to Clinical Medicine, Pharmacy Economic Information Retrieval, Basic Accounting, Economic Law, Principles of Statistics, Macroeconomics, Microeconomics, Operations Research, Management Principles, Human Resource Management, Corporate Governance, Project Management,
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Strategic Management, Production and Operations Management, Logistics and Supply Chain Management, Organizational Behavior , Pharmacy Regulations, Drug Quality Management Practices, Marketing, Financial Management, Entrepreneurship, ERP Experiments.

Major: Marketing

Years of Study: Four Years Degree: Bachelor of Management

Professional requirements and goals: from the perspective of meeting the needs of the society for the compound talents of medical marketing, this major will train compound senior medical personnel who have the basic theories of management, economics, law, marketing, and logistics management, who can master the basic knowledge of modern enterprise management and possess the knowledge of system pharmacy, who can understand the performance and production technology of pharmaceutical products, comprehensively master the basic methods of market research and forecasting and the basic skills of marketing, and who can engage in marketing teaching, scientific research and specific marketing organization and management in relevant government departments, scientific research institutions, pharmaceutical industrial enterprises and institutions.

Major courses: College English, Economic Mathematics, Linear Algebra, Mathematical Statistics, Basic Chemistry, Chemical Medicine, Basics of Traditional Chinese Pharmacy, Analysis and Pharmaceuticals, Biochemical Drugs, Pharmacy, Physiological Pharmacology, Concise Modern Medicine, Basic Accounting, Economic Law, Statistics Principles, International Trade, Management, Economics, International Marketing, Sales Management, Advertising, Market Research and Forecasting,

Financial Management, Pharmaceutical Commodity Science, Consumer Behavior, Marketing, Marketing Simulation, etc.

Major: Economics

Years of Study: Four Years Degree: Bachelor of Economy

Professional requirements and goals: students in this major master the basic theory and evaluation methods of pharmacy economics through learning basic theories and methods of economics, pharmacy, management, marketing, pharmacy management, etc. Students are not only educated and trained in the economic management theories and methods, but also master the basic pharmacy knowledge to meet the special needs of employment in the pharmaceutical industry.

Meanwhile, they have the practical ability for social service and economic research analysis and have the basic skills to collect, analyze and deal industrial information and data by using quantitative analysis methods and modern technologies. The training objectives of this major are based on a wide-caliber and thick foundation, emphasizing the intersection of disciplines, combining with liberal art and science, making students be compound personnel who have ability to expand into economics-related fields, and who can work in economic analysis, forecast, research, pharmacy economic evaluation, marketing and management in the medical economic management department, the pharmacy economic evaluation center, financial institutions, research institutes and pharmaceutical companies .

Major courses: College English, Economic Mathematics, Linear Algebra, Mathematical Statistics, Basic Chemistry, Basics of Traditional Chinese Pharmacy, Chemical Medicine, Analysis and Pharmaceuticals, Biochemical Drugs, Physiological Pharmacology, Introduction to Clinical Medicine, Pharmacy,

Principles of Management, Principles of Statistics, Accounting , Financial Management, Western Economics, Econometrics, Economic Law, E-commerce, Securities Investment, Health Economics, Pharmacy Economics, Industrial Economics, Logistics and Supply Chain Management, Marketing, Pharmaceutical Import and Export Business, International Trade, International Finance, Pharmacy Regulations, etc.

Major: Pharmaceutical Management

Years of Study: Four Years Degree: Bachelor of Science

Professional requirements and goals: based on solid pharmacy expertise, this major will train compound senior personnel who can apply relevant knowledge and skills comprehensively in management, law, economics and sociology, and who can analyze and explore rules of pharmacy science development in drug research, production, distribution, use and supervision. After graduation, students can engage in drug management at all levels of drug supervision and management departments, social labor security departments, market supervision and management departments, pharmaceutical production enterprises, pharmaceutical management enterprises, pharmaceutical research institutes, and medical and health institutions.

Major courses: College English, Economic Mathematics, Linear Algebra, Mathematical Statistics, Basic Chemistry, Chemical Medicine, Basics of Traditional Chinese Pharmacy, Analysis and Pharmaceuticals, Biochemical Drugs, Pharmaceutics, Physiological Pharmacology, Concise Modern Medicine, Bio-pharmaceuticals, Civil Law, Western Economics, Economics Law, Statistical Principles, Management, Organizational Behavior, Chinese Pharmacy Regulations, Drug Quality Management Practices, International Pharmacy Regulations,

Administrative Law, Economic Criminal Law, Financial Management, International Trade, Marketing, Human Resources Management, Pharmaceutical Economy Information Retrieval, etc.

Major: Information Management and Information System (Medical Big Data Direction)

Years of Study: Four Years Degree: Bachelor of Management

Professional requirements and goals: this major aims to cultivate compound and applied specialists who have biomedical knowledge, master information management and computer science and technology application capabilities, and can engage in medical information management and information system research and development. After graduation, students can go to the medical management departments, institutions, financial institutions, IT companies, and industrial and commercial enterprises at all levels in the country to engage in information management and information system analysis, design, implementation and operation and maintenance, as well as in information technology related teaching and research fields.

Major courses: Advanced Mathematics, Mathematical Statistics, Linear Algebra, Management, Economics, Introduction to Information Resource Management, Object–Oriented Programming, Data Structure, Medical Science and Technology Information Retrieval, Operating System, Database Principles and Applications, Management Information Systems, Information System Analysis and Design, Information System Development Methods and Tools, Computer Networks, Operations Research, E–commerce, etc.

Major: Pharmaceutical Engineering

Years of Study: Four Years
Engineering

Degree: Bachelor of

Professional requirements and goals: students in this major should master the basic theories, basic knowledge and practical skills in chemistry, pharmacy, and pharmaceutical engineering, etc. This major will train senior scientific and technical personnel who can work in chemical drug synthesis, process design and innovation, new drug research and development and engineering design, as well as chemical synthetic drug production management.

Major courses: College English, Advanced Mathematics, Linear Algebra, Mathematical Statistics, Physics, Inorganic Chemistry, Analytical Chemistry, Organic Chemistry, Physical Chemistry, Microbiology, Biochemistry and Molecular Biology, Physiological Pharmacology, Medicinal Chemistry, Natural Medicinal Chemistry, Drug Synthesis Reactions, Pharmaceutics, Pharmaceutical Analysis, Engineering Drawings, Chemical Principles, Pharmaceutical Engineering Automation, Pharmaceutical Technology, Pharmaceutical Engineering, etc.

Major: Food Quality and Safety

Years of Study: Four Years
Engineering

Degree: Bachelor of

Professional requirements and goals: students in this major should master the basic theories, basic knowledge and practical skills in chemistry, pharmacy, food science and engineering, food safety and hygiene, food quality control and quality management. This major will train senior scientific and technical personnel who can work in food and drug quality and safety

testing, food hygiene supervision and management, food and drug quality management control and quality certification in the related fields of food, medicine and health after graduation.

Major courses: College English, Advanced Mathematics, Mathematical Statistics, Physics, Basic Chemistry, Instrumental Analysis, Organic Chemistry, Physical Chemistry, Biochemistry and Molecular Biology, Microbiology, Food Toxicology, Food Chemistry, Food Nutrition, Food Standards and Regulations, Food Analysis, Modern Food Safety Testing Technology, Modern Food Safety Control Technology, Food Microbiology, Food Quality and Safety Experimental Technology, Food Science and Engineering Introduction, Food Additives, Food Environmental Science, Food Technology, Food Biotechnology, Functional Food Science , Health Food Technology, Drug Analysis, Physiological Pharmacology, Animal and Plant Inspection and Quarantine, Rapid Identification of Fake and Inferior Food, Pharmacy Introduction.

Major: Environmental Science

Years of Study: Four Years Degree: Bachelor of Science

Professional requirements and goals: through the teaching links of theoretical courses, experimental courses and environmental protection practices and the combination with relevant pharmacy courses, this major will cultivate specialized technical personnel who know both medical knowledge and environmental governance for the particularity of pollutants discharge by medical and pharmaceutical enterprises.

Graduates can work in the fields of general environmental protection, green pharmaceutical process improvement, environmental management and monitoring of medical and pharmaceutical enterprises, pollution control of pharmaceutical

companies and treatment of three wastes, and environmental planning, etc.

Major courses: College English, Advanced Mathematics, Computer Technology, Linear Algebra, Mathematical Statistics, Physics, Four Basic Chemistry, Chemical Engineering Principles, Ecology, Green Production, Environmental Chemistry, Environmental Biology, Environmental Toxicology, Environmental Monitoring, Soil Environmental Science , Environmental Materials Science, Water Supply and Drainage Engineering, Pharmaceutical Waste Treatment, Pharmaceutical Environmental Control and Management, Environmental Engineering, Environmental Quality Assessment, Environmental Information Retrieval and Scientific Writing, Environmental Planning and Management, Environmental Data Processing and Software Introduction, Environmental Law and Pharmaceutical Courses (Pharmaceutical Engineering, Bio-pharmaceuticals, Physiological Pharmacology and Pharmaceutical Technology, etc.).

Major: Clinical Pharmacy

Years of Study: Five Years Degree: Bachelor of Science

Professional requirements and goals: students in this major mainly study the basic knowledge and practical skills of pharmacy and clinical medicine and accept basic training in clinical pharmacy research methods and practical skills. They should master clinical pharmacy, drug evaluation (new drug evaluation and drug re-evaluation), pharmacy information and consulting services, the design and practice of clinical drug treatment program and basic knowledge and skills to implement rational drug use. This major will cultivate senior service personnel who can work in pharmaceutical services, education and research, and drug development.

CPU is the first university in China to set a five-year clinical pharmacy major. Eligible students with good academic qualifications can be recommended to study for a master's degree.

Major courses: College English, Advanced Mathematics, Mathematical Statistics, Basic Chemistry, Instrumental Analysis, Medical Biochemistry, Molecular Biology, Organic Chemistry, Human Anatomy, Physiology, Medical Microbiology and Immunology, Pharmacy, Medicinal Chemistry, Pharmaceutical Analysis, Pharmacology , Pharmaceutics, Clinical Pharmacokinetics, Cell Biology, Pathophysiology, Clinical Pharmacology, Clinical Drug Therapeutics, Pharmacy economics, Hospital Pharmacy, Doctor-patient Communication and Skills, Clinical Pharmacy English, Pharmaceutical Economics, Pharmaceutical Affairs Management , Medical Ethics, Pharmacy Information Retrieval, Clinical Pharmacy Training Center, etc.