School of AGRICULTURAL ENGINEERING

THE SCHOOL

Jiangsu University is a comprehensive engineering focused university with a multi discipline coordinated development orientation originally under the name "Zhenjiang Institute of Agricultural machinery". With a long term goal linked to the motto of "offering engineering in agriculture, agriculture supported by engineering, while/in combining engineering with agriculture", Jiangsu University built the Institute of Agricultural Engineering in March 2005, dedicated to the development of Agricultural Engineering. Next was the establishment of School of Agricultural Equipment Engineering in May 2015, having twofold name, but under the same management and leadership. The specialty of agricultural machinery was evaluated by the Ministry of China in 1987 and Jiangsu Province in 1994 as the key discipline of National Machine-building Industry. The discipline of Agricultural Engineering was subsequently approved as a doctoral program. The discipline of management personnel and experts in agricultural machinery for over 30 countries. Due to the adjustment of discipline and specialty directory in 1997, the doctoral program of agricultural machinery design and manufacturing, combined with the master program, was adjusted as the doctoral program of Machinery Design and Theory. It was evaluated as the excellent academic echelon of Jiangsu province, and approved as the provincial key specialty of Jiangsu in 2001. For the time being, it offers the post-doctoral station of Mechanical Engineering.

DEPARTMENTS

Agricultural Mechanization Engineering
Agricultural Engineering

AGRICULTURAL ENGINEERING

Agricultural engineering incorporates many science disciplines and technology practices to the efficient production and processing of food, feed, fiber and fuels. It involves disciplines like mechanical engineering (agricultural machinery and automated machine systems), soil science (crop nutrient and fertilization, etc.), environmental sciences (drainage and irrigation), plant biology (seeding and plant growth management), animal science (farm animals and housing) and much more.

WHAT WILL I LEARN?

JSU is a university with the state of the art laboratories and classroom to enhance teaching and learning for a bright and better future. At the end of the program, students will master the basic theories and systems of agricultural engineering, be familiar with the international forefront views of research and developments and also develop their ability to make scientific innovation achievements and skills in the sector of agricultural engineering.

WHY CHOOSE TO STUDY THIS PROGRAM IN JSU:

Jiangsu University is a comprehensive engineering focused university with a multi-discipline coordinated development orientation originally under the name "Zhenjiang Institute of Agricultural machinery". As part of the long term goal of Jiangsu University and guided by the motto "offering engineering in agriculture, agriculture supported by engineering, while/in combining engineering with agriculture". Jiangsu University built an Institute of Agricultural Engineering in March 2005, dedicated to the development of Agricultural Engineering. Furthermore, in May, 2014 The School of Agricultural Equipment Engineering was also established to reinforce its commitment to the development of Agriculture Engineering.

HOW WILL THIS COURSE ENHANCE MY CAREER PROSPECTS?

To enable students develop as professionals capable of successfully competing for high demand positions in industry, government and academia.
To prepare students to be effective researchers in the various fields of biological and agricultural engineering.
To provide practicing engineers and other professionals the opportunity to gain a graduate-level engineering education

CORE COURSES

Modern Power Electronic Technique and Theory
Computer Control Theory and System Design
Computer Vision Technique in Biomechatronics
Water and Fertilizer Function of Plant Biogeochemistry
Advanced Agricultural Machinery Principles
Environmental Control of Agricultural Biosystems
Modeling and Control of Mechanical Systems
Monitoring and Control Technology in Agricultural Equipment

Masters in
AGRICULTURAL ENGINEERING

Program Duration: 3 Years
Intake: March & September
Tuition: 24000 CNY/Year
Department:
School of Agricultural Equipment Engineering
Scholarships:
20,000 CNY (Presidential)
6,000 CNY (School 1st Year)
6,000-16,000 CNY (remaining years)

RESEARCH DIRECTIONS

1. Agriculture Mechanization and Equipment Engineering
2. Agricultural Water-Soil Engineering
3. Agro-biological Environmental Engineering
4. Agricultural Electrification and Informationization Engineering
5. Agricultural and Biosystems Engineering

PhD in
AGRICULTURAL ENGINEERING

RESEARCH DIRECTIONS

1. Detection and Control in Facilities Agro-biological Environmental
2. Electrical Equipment and Information Technology in Agriculture
3. Planting and Harvesting Machinery and Technology
4. Agricultural Environment and Plant Protection Equipment Technology
5. Agricultural Soil and Water Resources Utilization and Water Saving Irrigation Equipment

Program Duration: 3 Years
Intake: March & September
Tuition: 28000 CNY/Year
Department:
School of Agricultural Equipment Engineering
Scholarships:
28,000 CNY including Accommodation (Presidential)
16,000 CNY (School-1st Year)
16,000-26,000 CNY (remaining years)

THE SCHOOL

School of Art offers 8 undergraduate majors of industrial design, product design, fine arts, visual communication design, environment design, digital media art, animated cartoon and public art. Industrial design engineering professional degree conferrable spot is a first level discipline master degree conferrable spot of fine arts in this School . This first level discipline consists of 7 departments. Namely, industrial design department, animated cartoon department, environmental art department, visual communication department, public art department, fine art department, public basic teaching department.

The School of Arts has the following, 91 teaching and administrative staff, there are 5 professors, 13 associate professors, 16 master tutors, 10 doctoral supervisors. 40 of the staff have master degrees, 9 of them are reading doctors. 1135 of full-time undergraduate students and 82 master students study and live in the college. School of art of Jiangsu University has excellent teaching environment, advanced equipments and leading experiment equipments as well as teaching experiences which ensure that students acquire industry-leading technologies in school. Our school established many professional laboraries, multi-media audio-visual centers and computer houses. Individual library that includes teachers reading-room, students reading-room, electronic reading-room with rich collections was established specially for our college. School attaches great importance to the quality of personnel training, successive graduates employment rate of more than 95%.Industrial design center of Jiangsu university (industrial design center of Jiangsu province), scientific research institutions of industrial design research institution, artistic design house, fine arts research institution, folk art research institution, animated cartoon research institution and intangible cultural heritage research institution.

DEPARTMENTS

Industrial Design Department
Animated Cartoon Department
Environmental Art Department
Visual Communication Department
Public Art Department
Fine Art Department
Public Basic Teaching Department

Masters in
FINE ARTS STUDIES

Master of Fine Arts (MFA) is both rigorous and highly selective as it prepares you for a career as a professional artist. Artistic innovation and creativity are fundamental qualities that are highly transferable to wider areas of society. The curriculum integrates practical and critical skills across diverse media and disciplines; you will hone your practice through individual innovation, creative collaborations, informal mentorships and academic discourse.

RESEARCH DIRECTIONS

1. Art history and Art archaeology
2. Traditional chinese painting and Chinese calligraphy
3. Western painting
4. Visual and information design
5. Environment and Public Art and Design
6. industrial design
7. Digital Art and Design

Program Duration: 3 Years
Intake: March & September
Tuition: 22000 CNY/Year
Department:
School of Arts
Scholarships:
20,000 CNY (Presidential)
1,000CNY (1st Year)

WHY CHOOSE TO STUDY THIS PROGRAM IN JSU:

Fine Art Department at Jiangsu University has been educating artists by providing the respect, learning opportunities, and unique level of freedom that students need to develop and succeed. The department continues to serve the academic artist through research, liberal arts course work, and intensive studio training. Our students will become interdisciplinary artists and thinkers, ready to tackle tomorrow's problems creatively and collaboratively.

HOW WILL THIS COURSE ENHANCE MY CAREER PROSPECTS?

The field with perhaps the most job opportunities in fine arts is education, whether at the high school, college, or graduate school level. Another area where the recent graduate would do well to search for fine arts jobs is within the broader context of the art world; that is to say, within the channels through which art is disseminated. For a studio artist, this might lead to the design department of a museum, a sales position at an auction house, or an administrative position at a gallery.

CORE COURSES

Chinese Painting Theory
Calligraphy Coping
The Studying of Calligraphy Creation
The Studying of Chinese Painting
Creation of Chinese Painting
The Studying of Western Painting
Creation of Western Painting

Masters in
LIBRARY INFORMATION & ARCHIVES MANAGEMENT

Research Institute of Scientific Information is a unique academic institution endeavoring in researching & teaching of Library, Information and Archive Management Science at Jiangsu University. It was authorized to grant Master degree of Information Science in 2005 and of Library, Information and Archive Management Science" in 2010, which is a first-class discipline to award a Master degree. At present, the institute has 11 master's supervisors, 20 full-time faculty members with a senior academic title, and 6 doctors, some of whom have earned an influential reputation in their own research areas such as Library Service Innovation theory, Patent analysis & Intellectual Property Right Strategy.Information Resource Organization and Management, Competitive Intelligence,etc.

RESEARCH DIRECTIONS

Relying on cooperative relationship with Jiangsu Institute of Science and Technology Information, Zhenjiang Library, Research Institute of Scientific Information is also dedicated to offering students with social practices in diverse areas of LIS, which are significant for students' professional quality.

Program Duration: 3 Years
Intake: March & September
Tuition: 22000 CNY/Year
Department:
School of Arts
Scholarships:
20,000 CNY (Presidential)
1,000CNY (1st Year)

WHY CHOOSE TO STUDY THIS PROGRAM IN JSU:

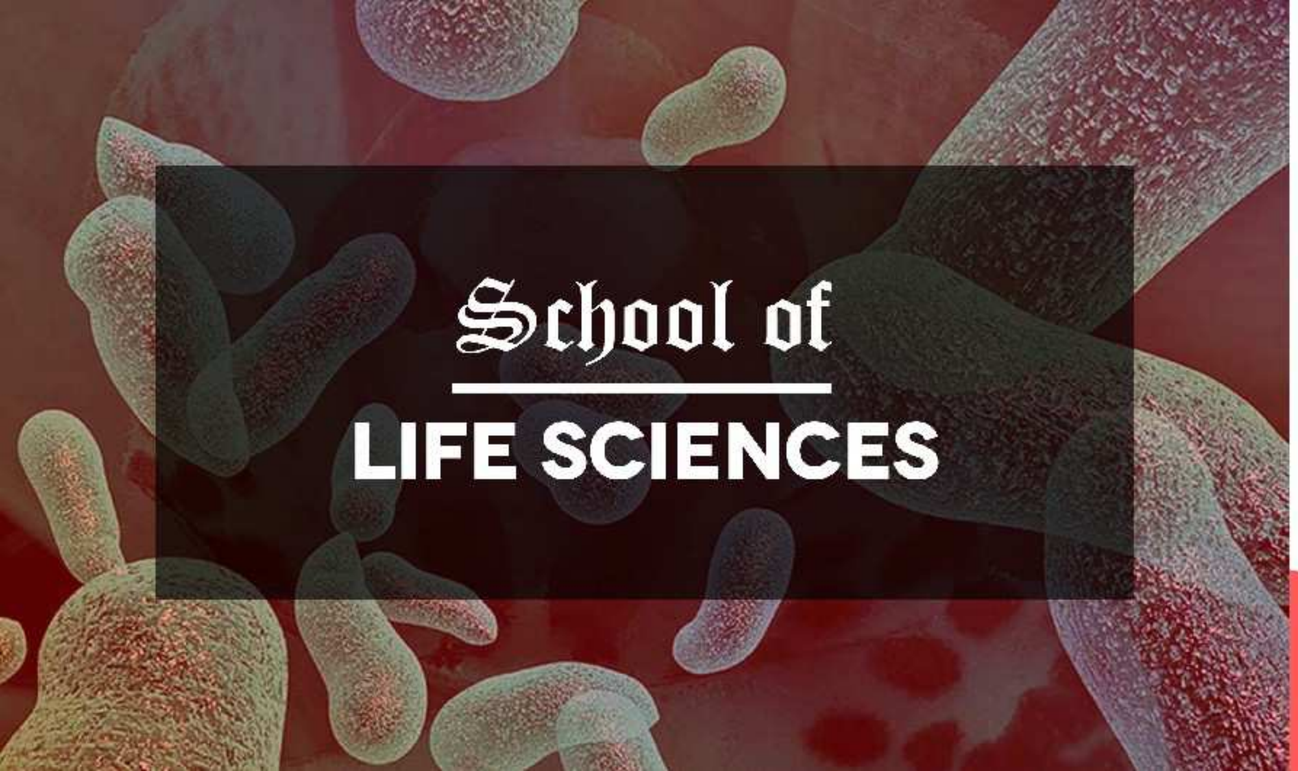
The master program offered by the SII aims at training students' core competencies in in-demand careers, including working in LIS-related governmental or non-governmental organizations, conducting information resources management in enterprises , serving as an information analysis expert in management consulting firms or offering information services in libraries.

HOW WILL THIS COURSE ENHANCE MY CAREER PROSPECTS?

Be creative in LIS-related science and technology;
Be capable of researching, teaching and administrating in the field of Library, Information and Archives Science.

CORE COURSES

Theory and method of library Information Science
Information Retrieval
Principle and method of digital library
Patent Intelligence Analysis
Information Behaviour Analysis, and Operations Research



School of LIFE SCIENCES

THE SCHOOL

The Institute of Life Sciences was founded in March,2001. It is chaired by Shengli Yang, a renowned academician of Chinese Academy of Sciences. Although it is a new research institute in Jiangsu university, it matured quickly into an active organization with diversified research fields, including functional genomics of model organisms, transgenic technology and safety assessment, interaction of plant and microbe and its molecular regulation, animal and human molecular virology, insect bioreactor, tumor related genes,molecular nutrition, molecular metabolism, molecular biology of enzymes,DNA damage and repair mechanismsThe institute currently have over 46 faculties,including Dr.Keping Chen, the Dean of Institute of Life Sciences. Dr. Chen is an internationally recognized expert in the field of silkworm and virus, and is also the winner of the second award for National Science and Technology, the first and third award for Agriculture Science and Technology. Led by Dr.Chen, many research groups have been established and various studies are conducted in an independent and collaborative fashion. The institute has also established an excellent research platform, invested with more than 10 million RMB from central and local goverments. The institute owns Genetic Analysis system, mRNA fluorescent differential display system, Ultracentrifuge, PCR Amplifier, Nucleic acid/protein Analyzer, Cell electroporation apparatus, Hybridization Oven, Gel Documentation System, ultraflex TOF TOF MS. The institute offers a Master Degree of Science program and a Doctoral Degree of Philosophy program in collaboration with School of Food and Biological engineering. Currently,more than 30 postgraduate students are enrolled every year.

DEPARTMENTS

Biochemistry and Molecular Biology
Cell Biology
Genetics
Microbiology
Physiology

Masters in BIOLOGY

Institute of Life Sciences is dedicated to providing students with the highest quality of training in diverse areas of molecular biology research that focuses on the understanding of biological theories and facts as well as practices of modern biological techniques. The program offer the best possible training for students with the project research in the laboratories, emphasizing on the capability of independent research, encouraging innovation, and logical thinking.

RESEARCH DIRECTIONS

1. Functional genomics and proteomics of model organisms
2. Cell metabolism and molecular biology of nutrition
3. Viruses and applied microbiology
4. Cellular signal transduction and DNA damage and repair

Program Duration: 3 Years
Intake: March & September
Tuition: 24000 CNY/Year
Department:
School of Life Sciences
Scholarships:
20,000 CNY including Accommodation (Presidential)

WHY CHOOSE TO STUDY THIS PROGRAM IN JSU:

Institute of Life Sciences at Jiangsu University puts strong emphasis on developing the student's ability to initiate and carry out innovate research projects. The research programs of the institute encompass the major fields of biology. The school also offers students the opportunity to set their own individual program plans so as to enhance their innovation.

HOW WILL THIS COURSE ENHANCE MY CAREER PROSPECTS?

Graduate students are engaged in original research under the supervision of faculty members, which helps students in their future career. Some of our students continue studies and go on to pursue PhD. programs. Others take teaching or research positions at various colleges, or positions in government agencies and non profit organizations. In addition, most graduates choose career opportunities in industry such as drug research and development.

CORE COURSES

Advanced Biochemistry
Molecular Biology
Molecular Genetics
Functional Genomics
Instrumental Analysis and experimental technology in biology
Molecular Virology
Progress in life science
Molecular Oncology
Cell Signal Transduction
3-D Structure Resolution by X Ray Crystallography

THE SCHOOL

The School of Management in Jiangsu University stems from the cadres training class which was established in November, 1982. Based on this training class, the Department of Management Engineering and Computer Science was set up in 1984. Then the Department of Management Engineering was set up in 1985, and the Branch of Industry Management Engineering was founded in May, 1988. In February, 1993 it was renamed as School of Business Administration, from which the economics major was isolated to be the School Financial and Economic in April, 2006.

Now the school owns one postdoctoral scientific research workstation—Management Science and Engineering, one first-class discipline doctoral degree authorized units—Management Science and Engineering, one second-class discipline doctoral degree authorized units—Innovation Management and SME Development, four master degree authorized units—Management Science and Engineering, Enterprise Management, Technical Economy and Management, Social Medicine and Health Service Management, as well as the authorized units for Master of Business Administration and three engineering master authorized fields—Industrial Engineering, Logistics Engineering, Project Management; it owns eight undergraduate major including Business Administration, Human Resource Management, Marketing, E-Commerce, Information Management and Information System, Industrial Engineering, Public Utilities Management (Medical Insurance and Health Service Management), Logistics Engineering, etc, in which the subject of "Management Science and Engineering" was graded as first class discipline key subjects of Jiangsu Province, and the subject of "Business Administration", "Public Utilities Management" were elected brand and characteristic specialty programs of Jiangsu Province.

DEPARTMENTS

Business Administration
Marketing, Industrial Engineering
Public Utilities Management
Information Management and Information System

Masters in BUSINESS ADMINISTRATION

This program aims to train candidate to have solid theoretical basis of Economics and Management, to master method of quantitative and qualitative analysis as well as data processing technology, to understand the leading edge and academic trends in Business Administration field, to obtain corresponding innovation ability and the ability to engage in scientific research activities independently, to be able to do organizing, planning, and other general management works in the domestic large and medium-sized enterprises, foreign enterprises, multi-national enterprises, joint ventures and so on. At the same time, candidates should be qualified for teaching and research works in colleges and universities as well as other scientific research institutions.

RESEARCH DIRECTIONS

3 main research fields, 15 research directions:
Field 1: Enterprise Management
Field 2: Technical Economy and Management
Field 3: Accounting

WHAT WILL I LEARN?

The main courses include: Mathematical Statistics, Operations Research, Econometric Model, Game Theory, System Engineering, Multivariate Statistical Analysis, Frontier of Economics, Customer Relationship Management in Big Data Age, Advanced Management, Management Research Method, Accounting Theory and Practice, Advanced Financial Management, Auditing Theory and Method and selective courses.

HOW WILL THIS COURSE ENHANCE MY CAREER PROSPECTS?

The combination of class lectures and supervisor's tutoring aims to help student master solid fundamental theory and systematic specialized knowledge of the major, and cultivate the ability of practice. This program equips students with skills in Management, Economics, and other necessary skills for business career. There are also many students associations for business students such as IDEA (Innovation Development and Entrepreneurship Association), IBSA (International Business Students Association), creating strong bonds between existing business students and international relationships.

WHY CHOOSE TO STUDY THIS PROGRAM IN JSU:

Jiangsu Province is a major economic region in China with concentration of big organizations and robust supply chain opportunities for SMEs. The presence of the booming regional economic development enhances the combination of management thought, principle, practice and theory. The benefit of pursuing academic and research degree in China offers international students a unique leverage that cannot be gotten in any other country in the world. The immersion methodology gives students a first-hand experience and exposure that makes students professional and successful in their chosen fields upon graduation.

Program Duration: 3 Years
Intake: March & September
Tuition: 22,000 CNY
Department:
School of Management
Scholarships:
1,000 CNY including Accommodation (Presidential)

Masters in BUSINESS ADMINISTRATION

(2 YEARS)

This program aims to train candidate to grasp the mainstream research method in the field of management science and engineering, and to obtain international research vision, making them in possession of relevant innovation ability and independent scientific research ability. Candidates after finishing the study will be competent to do jobs like decision-making, consultation, business operation and management in all-level administrative departments and all-kind enterprises, at the same time capable of teaching and research jobs in colleges, universities and other scientific research institutions.

RESEARCH DIRECTIONS

Jiangsu University MBA's students are composed of a wide range of different educational and professional background. Although this program is composed of various courses referring to company's management skills required by department. So the candidate will have the possibility to select his/her professional direction according to his/her own interest and pursue research in the chosen field. They will have the opportunity to develop their learning by choosing one of the nine different professional directions, among Business Management of SME, International Business or Enterprise Operation Management and others.

WHAT WILL I LEARN?

Through this program, the candidates will develop their individual strengths in leadership, creativity, entrepreneurship, and team work in a context of uncertain global environment. But also they will develop strong interpersonal skills, including the ability to work under pressure, judging, decision-making, analyzing, organizing and coordinating. A personal improvement that will reinforce basic learning knowledge based on company's management skills needs like: International Business, Marketing, Financial management, Entrepreneurship, Data model and decision making, and more.

HOW WILL THIS COURSE ENHANCE MY CAREER PROSPECTS?

The Master of Professional Program in Business Administration will lead the candidate to grow a deep and global understanding of the different company's functions according to a context of performance's requirement. The MBA program of JSU will train students to develop a strong professional set of skills necessary to perform as both leader and successful manager in a modern management context. But also, give them the opportunity to develop a strong professional network necessary to the development of an international career.

WHY CHOOSE TO STUDY THIS PROGRAM IN JSU:

Jiangsu University is proud of to have more than hundred year experiences in creating successful leaders in business management. Currently, over 1800 international students are studying Bachelor, Master, Phd or many non-degree courses. A rising popularity thanks to innovative teaching method, colorful college life and a total immersion in china. Also our school of management is providing solid foundation to students through high quality training, and has manage outstanding achievement in discipline development, teaching and scientific research.

Program Duration: 3 Years

Intake: March & September

Tuition: 30,000 CNY

Department:

School of Management

Scholarships:

1,000 CNY (for 20%)

Masters in PUBLIC ADMINISTRATION

This program mainly aims to train specialized talents in possession of modern public management theory, administrative management literacy and advanced public management method and technology for government offices, enterprises and social institutions. It also outputs administrative, teaching staff and research workers having solid theoretical basis and strong scientific research ability for educational institutions and scientific research organizations.

RESEARCH DIRECTIONS

Field 1: Government Management and Public Policy
- Government Management
- Public Policy and Management
- Public Human Resources Management
- Educational Administration and Management

Field 2: Medical Insurance and Health Management
- Medical Security System
- Hospital Management and Service
- Health Economy and Evaluation
- Health Policy and Regulation

WHAT WILL I LEARN?

The main courses include: Mathematical Statistics, Operations Research, Game Theory, System Engineering, Senior Health Management, Senior Health Economics, Public Administration, Public Policies and selective courses. Graduates have multi-talented management skills and experience of Chinese work ethics and culture and can fit into any international organizations and perform management jobs in enterprises, governments or do teaching and research in scientific institutions.

HOW WILL THIS COURSE ENHANCE MY CAREER PROSPECTS?

The combination of class lectures and supervisor's tutoring aims to help student master solid fundamental theory and systematic specialized knowledge of the major, and cultivate the ability of practice. This program equips students with skills in Management, Economics, and other necessary skills for business career. There are also many students associations for business students such as IDEA (Innovation Development and Entrepreneurship Association), IBSA (International Business Students Association), creating strong bonds between existing business students and international relationships.

WHY CHOOSE TO STUDY THIS PROGRAM IN JSU:

Jiangsu Province is a major economic region in China with concentration of big organizations and robust supply chain opportunities for SMEs. The presence of the booming regional economic development enhances the combination of management thought, principle, practice and theory. The benefit of pursuing academic and research degree in China offers international students a unique leverage that cannot be gotten in any other country in the world. The immersion methodology gives students a first-hand experience and exposure that makes students professional and successful in their chosen fields upon graduation.

Program **Duration**: 3 Years

Intake: March & September

Tuition: 22,000 CNY

Department:

School of Management

Scholarships:

1,000 CNY (for 20%)

Masters in
MANAGEMENT SCIENCE & ENGINEERING

Program Duration: 3 Years
Intake: March & September
Tuition: 22000 CNY/Year
Department:
School of Management
Scholarships:
1,000 CNY (for 20%)

RESEARCH DIRECTIONS

Field 1: Government Management and Public Policy
Government Management
Public Policy and Management
Public Human Resources Management
Educational Administration and Management
Field 2: Medical Insurance and Health Management
Medical Security System
Hospital Management and Service
Health Economy and Evaluation

PhD in
MANAGEMENT SCIENCE & ENGINEERING

RESEARCH DIRECTIONS

Management Science and Innovation Management
Behavioral Science and Human Resource Management
Industry Engineering and Service Science
Management System and Social Management Engineering
Economic Systems Analysis and Management

Program Duration: 3 Years
Intake: March & September
Tuition: 26000 CNY/Year
Department:
School of Management
Scholarships:
3,000 CNY all three years (80%)

MANAGEMENT SCIENCE & ENGINEERING

This program mainly aims to train specialized talents in possession of modern public management theory, administrative management literacy and advanced public management method and technology for government offices, enterprises and social institutions. It also outputs administrative, teaching staff and research workers having solid theoretical basis and strong scientific research ability for educational institutions and scientific research organizations.

WHAT WILL I LEARN?

The main courses include: Mathematical Statistics, Operations Research, Game Theory, System Engineering, Senior Health Management, Senior Health Economics, Public Administration, Public Policies and selective courses.
Graduates have multi-talented management skills and experience of Chinese work ethics and culture and can fit into any international organizations and perform management jobs in enterprises, governments or do teaching and research in scientific institutions.

WHY CHOOSE TO STUDY THIS PROGRAM IN JSU:

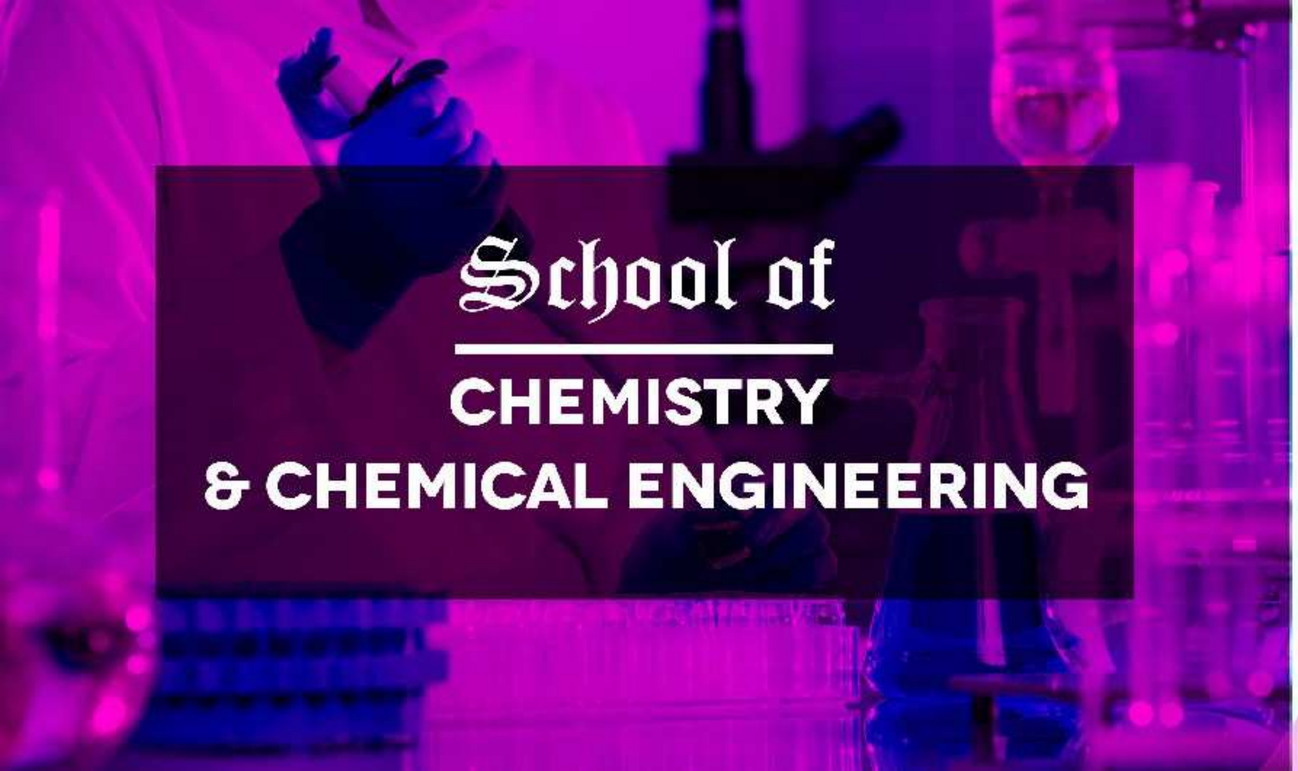
Jiangsu Province is a major economic region in China with concentration of big organizations and robust supply chain opportunities for SMEs. The presence of the booming regional economic development enhances the combination of management thought, principle, practice and theory. The benefit of pursuing academic and research degree in China offers international students a unique leverage that cannot be gotten in any other country in the world. The immersion methodology gives students a first-hand experience and exposure that makes students professional and successful in their chosen fields upon graduation.

HOW WILL THIS COURSE ENHANCE MY CAREER PROSPECTS?

The combination of class lectures and supervisor's tutoring aims to help student master solid fundamental theory and systematic specialized knowledge of the major, and cultivate the ability of practice. This program equips students with skills in Management, Economics, and other necessary skills for business career. There are also many students associations for business students such as IDEA (Innovation Development and Entrepreneurship Association), IBSA (International Business Students Association), creating strong bonds between existing business students and international relationships.

CORE COURSES

Public Administration
Strategic Planning and Management
Entrepreneurial Management
Environment Behavior and Management Internet Economy and Management
Human Resource Management
E-commerceManagement Communication



School of
CHEMISTRY & CHEMICAL ENGINEERING

THE SCHOOL

The School of Chemistry and Chemical Engineering of Jiangsu University consists of Department of Chemistry, Department of Applied Chemistry, Department of Chemical Engineering, and Experimental Center of Chemistry & Chemical Engineering. Institute of Applied Chemistry, Institute of Green Chemistry and Institute of Chemical Biology and Technology. The school has over 110 faculty and staff members among them 22 full professors and 33 associate professors. The school has a student body of more than 900, of which are over 600 undergraduate students and more than 300 graduate students. The school is authorized to confer degrees in 2 Ph. D. programs including Clean Energy & Environmental Protection, and Environmental Sciences & Engineering; 10 master programs in Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Analytical Chemistry, Polymer Chemistry & Physics, Applied Chemistry, Chemical Engineering, Chemical Process, Biochemical Engineering and Industrial Catalysis; and 3 undergraduate programs in Chemistry, Applied Chemistry, and Chemical Engineering. With the rapid development of Jiangsu University, a series of distinguished multidisciplinary researches have become particularly strong, including Coordination Chemistry, Nanomaterials, Electrochemistry, Interfacial Chemistry, Computational Chemistry, Environmental Chemistry, Bioinorganic Chemistry, Chemical Biology and Catalytic Chemistry. Faculty members, postdoctoral researchers, graduate students, and undergraduate students in the school of chemistry and chemical engineering perform cutting edge research in wide areas of coordination chemistry, nanomaterials, electrochemistry, interfacial chemistry, computational chemistry, environmental chemistry, bioinorganic chemistry, chemical biology and catalytic chemistry. They also focus on cross-disciplinary research involving other schools at Jiangsu University, and universities throughout the world. In recent years, about 10 national, more than 30 provincial or municipal funding as well as many projects from enterprises.

DEPARTMENTS

Chemistry
Applied Chemistry
Chemical Engineering

Masters in CHEMISTRY

Masters in Chemistry offers students an advanced postgraduate education in the major branches of the Chemical Sciences. Master of Science degree at Jiangsu University (JSU) concentrates on cultivating students' proficiency to conduct specialized laboratory research in preparation for potential careers in the highly competitive chemical industry. The program offers ten different programs, such as Inorganic, Organic, Physical, Analytical, and Polymer Chemistry.

RESEARCH DIRECTIONS

1. Inorganic Chemistry
2. Analytical Chemistry
3. Organic Chemistry
4. Physical Chemistry
5. Polymeric Chemistry & Physics

WHAT WILL I LEARN?

A wide range of compulsory and Elective courses are included in the period of master course study. All lectures are arranged by the academic staffs having rich experience in the related field. It is sure you can understand the basic knowledge and the frontiers of science. In addition, academic research will be carried out under the supervision of professors with outstanding skills and fruitful wisdom. After a three year of study in our School of Chemistry and Chemical Engineering, you will significantly improve yourself in the field of chemistry, where you can find a bright future.

HOW WILL THIS COURSE ENHANCE MY CAREER PROSPECTS?

After graduation, students who studied the master degree of chemistry of our school are easily to find the top-wage positions in the related fields including teaching, research, technology and management. It is certain that chemistry has always existed as long as it relates to changes in the nature and substance, such as chemical products production, materials, medicine, agriculture, food, inspection and quarantine, environmental defense, etc.

WHY CHOOSE TO STUDY THIS PROGRAM IN JSU:

In our School of Chemistry and Chemical Engineering, the cutting-edge academic research can be carried out in a wide range of areas including coordination chemistry, nanomaterials, electrochemistry, interfacial chemistry, computational chemistry, environmental chemistry the remaining areas may include bioinorganic chemistry, chemical biology and catalytic chemistry. They also focus on cross-disciplinary research involving other schools at Jiangsu University, and universities throughout the world. In recent years, about 10 national, more than 30 provincial or municipal founding as well as many projects from enterprises were granted to faculty members per year.

Program Duration: 3 Years

Intake: March & September

Tuition: 24000 CNY/Year

Department:

School of Chemistry & Chemical Engineering

Scholarships:

20,000 CNY (Provincial)

1,000-5,000 CNY (School ng)

CHEMICAL ENGINEERING & TECHNOLOGY

Chemical engineering is applied chemistry and it is concerned with the design, construction, and operation of machines and plants that perform chemical reactions to solve practical problems or make useful products. School of Chemistry and Chemical Engineering offers four research areas for master's student: Green chemistry technology and process; Advanced separation technology and engineering; Design and application of new functional material; Chemical engineering of biology and resources.

WHAT WILL I LEARN?

A wide range of compulsory and Elective courses are included in the period of master course study. All lectures are arranged by the academic staffs having rich experience in the related field. It is sure you can understand the basic knowledge and the frontiers of science. In addition, academic research will be carried out under the supervision of professors with outstanding skills and fruitful wisdom. After a three year of study in our School of Chemistry and Chemical Engineering, you will significantly improve yourself in the field of chemistry, where you can find a bright future.

HOW WILL THIS COURSE ENHANCE MY CAREER PROSPECTS?

A college degree in chemical engineering can cut across a variety of academic paths, combining such subjects as chemistry, math, physics, engineering and biology. Student can tailor chemical engineering majors to careers in environmental protection, pharmaceutical development, health care, food processing, and many other areas. Chemical engineering graduates go on to work for large firms in industries such as: paper and pulp, chemical, petrochemical, semiconductor, pharmaceutical, textile manufacturer, etc. Therefore, anything that is manufactured requires the expertise of a chemical engineer.

WHY CHOOSE TO STUDY THIS PROGRAM IN JSU:

Jiangsu University gives an excellence opportunity to learn in an environment that has lots of knowledge in the field and offers you the chance to engage with academics at the forefront of cutting-edge research and to contribute to solving some of our global challenges. Here you will have the opportunity to pursue your intellectual curiosity and acquire the habits of mind which will enhance your future experience of life.

CORE COURSES

Advanced Materials & Applications
Metal Organic Chemistry
Advanced Physical Chemistry
Modern Analytical Chemistry
Modern Synthetic Chemistry
Nano Chemistry
Applied Electro Chemistry
Catalytic Chemistry

Masters in
CHEMICAL ENGINEERING & TECHNOOGY

Program Duration: 3 Years
Intake: March & September
Tuition: 24000 CNY/Year
Department:
School of Chemistry & Chemical Engineering
Scholarships:
20,000 CNY (Residential)
1,000-5,000 CNY (Schooling)

RESEARCH DIRECTIONS

Mechanical Manufacturing and Automation
Mechatronic Engineering
Mechanical Design and Theory
Vehicle Engineering
Mechanical Manufacturing and Automation

PhD in
CHEMICAL ENGINEERING & TECHNOOGY

Program Duration: 3 Years
Intake: March & September
Tuition: 24000 CNY/Year
Department:
School of Chemistry & Chemical Engineering
Scholarships:
28,000 CNY including Accommodation (Residential)
1,000-5,000 CNY (Schooling)

RESEARCH DIRECTIONS

Modern Test Systems and Equipment
Monitoring and Intelligent Control Systems

School of

CIVIL ENGINEERING & MECHANICS

THE SCHOOL

Faculty of Civil Engineering & Mechanics in Jiangsu University consists of the department of civil engineering and the department of mechanics & engineering Science. It offers bachelor degree programs in civil engineering, engineering management and engineering mechanics. The mechanics discipline (key build discipline of Jiangsu Province) was qualified as the first level discipline to confer master's degree of mechanics. The civil engineering discipline was authorized to confer master programs in structural engineering, disaster prevention & reduction and protective engineering, as well as construction and civil engineering. Graduates can also pursue their Ph.D. degree in the discipline of solid mechanics, traffic and transportation engineering, management science and engineering. The faculty also welcomes overseas students (both undergraduates and graduates) for further study in all the above majors. Currently, there are nearly 900 students studying in our faculty, which include more than 150 graduate students and about 150 overseas students. The Department of Civil Engineering and Engineering Mechanics offers a graduate program leading to the degree of Master of Science (M.S.) in Civil Engineering and Engineering Mechanics as well as a PhD in Solid Mechanics.

DEPARTMENTS

Civil Engineering
Mechanics

Masters in

CIVIL ENGINEERING & MECHANICS

Faculty of Civil Engineering & Mechanics in Jiangsu University consists of the department of civil engineering and the department of mechanics & engineering Science. It offers bachelor degree programs in civil engineering, engineering management and engineering mechanics. The mechanics discipline (key build discipline of Jiangsu Province) was qualified as the first-level discipline to confer master's degree of mechanics. The civil engineering discipline was authorized to confer master programs in structural engineering, disaster prevention & reduction and protective engineering, as well as construction and civil engineering. Graduates can also pursue their Ph.D. degree in the discipline of solid mechanics, traffic and transportation engineering, management science and engineering. The faculty also welcomes overseas students (both undergraduates and graduates) for further study in all the above majors.

RESEARCH DIRECTIONS

Structural engineering
Disaster prevention & mitigation and protection engineering

Program Duration: 3 Years
Intake: March & September
Tuition: 24,000 CNY
Department:
School of Civil Engineering & Mechanics
Scholarships:
20,000 CNY for tuition (5000 CNY yearly)

WHY CHOOSE TO STUDY THIS PROGRAM IN JSU:

The systems engineering is a key discipline in Jiangsu Province. It has a primary discipline of doctorate and master degree, and a high-level team including academicians, and has undertaken national scientific research projects. It also has a certain international influence in the energy economy system analysis and complex network theory and its application areas.

HOW WILL THIS COURSE ENHANCE MY CAREER PROSPECTS?

Systems engineering major came into being in the context of the increasingly complex background of social practice, and are now full of strong vitality. In recent years, systems engineering has achieved many results in various fields, and its application has expanded year by year, which brings a lot of employment opportunities for master graduates of systems engineering. Its employment prospects will be getting better and better.

CORE COURSES

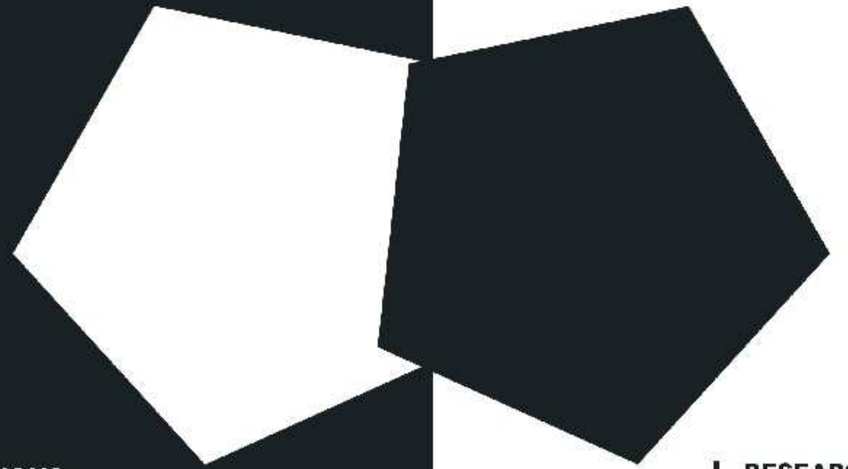
Process control Instrumentation Technology
Sensor Electronics
Error Theory and Test Data Processing
Measurement Technology Basedon Machine Vision
Non-destructive Testing Technology
Multi-sens or Information Fusion Technology
Virtual Instrument Technology and Applications
Wireless Microcontroller Network Technology
Micro-nano Detection Technology
Digital signal processing

Masters in MECHANICS

Program Duration: 3 Years
Intake: March & September
Tuition: 24000 CNY/Year
Department:
School of Civil Engineering & Mechanics
Scholarships:
20,000 CNY (Fresidential)
5,000 CNY (Schooling)

RESEARCH DIRECTIONS

Multi-physical field coupling theory and structure damage/fracture in smart material structure
Nonlinear dynamics and control and its application
Industrial fluid mechanics and multiphase flow and complex flow in engineering
Micro / nanomechanical, multiscale mechanical basis and testing technology
Mechanical problems in engineering structures

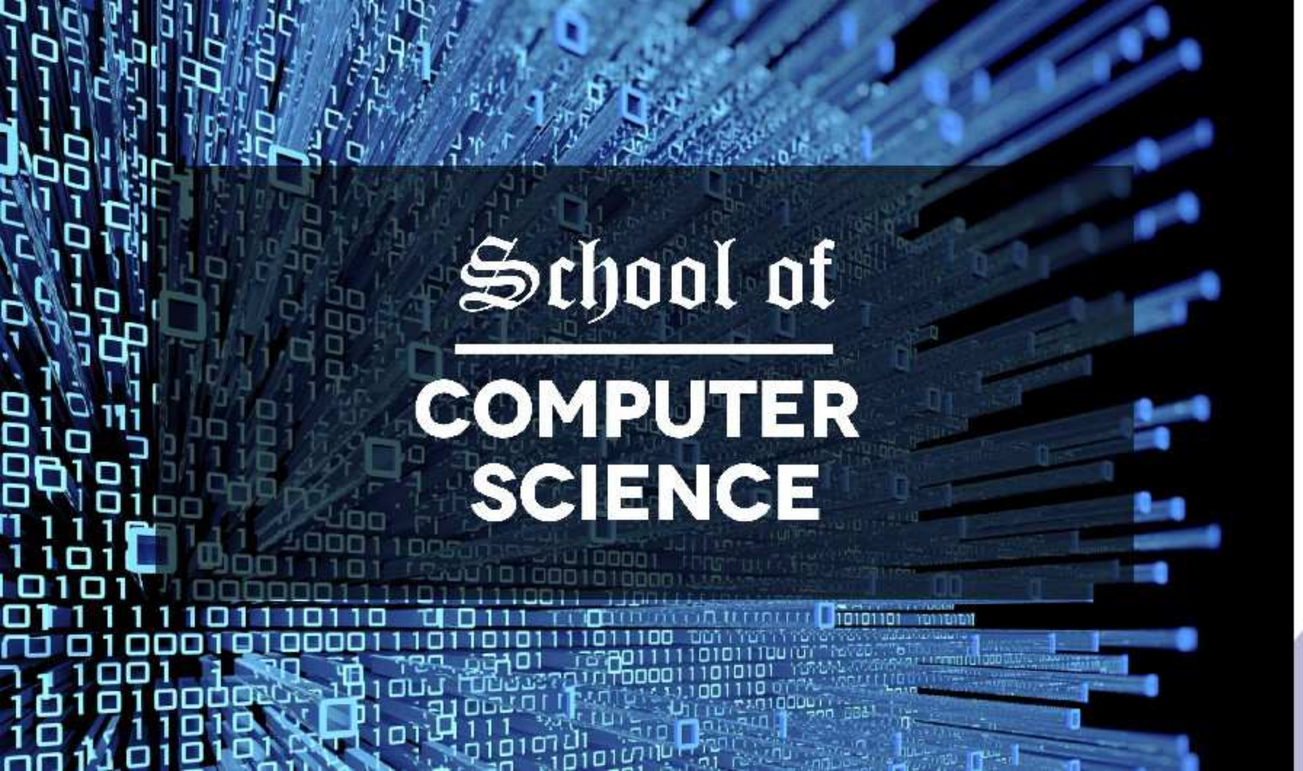


PhD in SOLID MECHANICS

RESEARCH DIRECTIONS

The coupling theory for Multi-physical fields and structure damage/fracture in smart material structures
Nonlinear dynamics and control and its application
Micro / nanomechanical, multiscale mechanical basis and testing technology
Mechanical problems in engineering structures

Program Duration: 3 Years
Intake: March & September
Tuition: 28000 CNY/Year
Department:
School of Civil Engineering & Mechanics
Scholarships:
28,000 CNY including Accommodation (Fresidential)
10,000 CNY (Yearly)



THE SCHOOL

School of computer science and communication engineering is one of the earlier independent setting professional school in domestic computer science , which provice the ph.d program of the computer application. There are six master's degrees: master's degree in computer science(including the computer software and theory, the comptuer system structure, the computer application technology), communication and information system, pattern recognition and intelligent system, electromagnetic field and microwave technology, and four engineering master's degrees programs: computer technology, electronic and communication project, software engineering, the agricultural informatization. The institute comprises seven undergraduate professions which are described as computer science and technology, software engineering, network engineering,communication engineering, information security, software engineering(embedded software talents training direction),and the internet of things.The computer science and technology and communication engineering are characteristic majors of Jiangsu province. The school adheres to the teaching work as the center, discipline construction as the leader, laboratory construction as the foundation, the teaching quality as the fundamental of educational ideas.In teaching reform ,the colledege has many main course that is evaluated the provincial level and university outstanding courses, makes full use of modern means of multimedia-aided teaching. The school strengthens social connection, and has established a long-term friendly cooperative relations with domestic ShenZhen Huawei Technologies Co., LTD, the Yangtze Group, Little Swan Group, Nanjing Zijin Group, China Telecom, China Mobile, and other well-known enterprises. College also has established a friendly and cooperative relations with the United States, Japan, France, Germany, Mexico. Canada and some other universities.What's more, students and teachers in both universities have visited each other for many times.

DEPARTMENTS

Computer science and technology
Software engineering
Network engineering
Communication engineering
Information security
Software engineering
Internet

COMPUTER SCIENCE & TECHNOLOGY

School of computer science and communication engineering is one of the earliest independent setting professional school in domestic computer science, which provide the post doctoral and Ph.D. program in computer application technology. There are six master degrees: master's degree in computer science (including the computer software and theory, the computer system structure, the computer application technology), communication and information system, pattern recognition and intelligent system, electromagnetic field and microwave technology.

WHAT WILL I LEARN?

The school adheres to the teaching work as the center, discipline construction as the leader, laboratory construction as the foundation, the teaching quality as the fundamental of educational ideas. In teaching reform, the college has many main courses that are evaluated at the provincial level. Furthermore, the university's outstanding courses make full use of modern means of multimedia-aided teaching. Majority of the courses have been made available students online through courseware or multimedia teaching plans and the teaching effect is good.

HOW WILL THIS COURSE ENHANCE MY CAREER PROSPECTS?

Graduates can pursue successful careers in academia and research at universities, colleges and government research centers, or as quality assurance and research & development scientists or managers in the field of computing and technology, analytical testing laboratories and consulting companies. Moreover, they are well prepared to become the research leaders, innovators, and technical experts essential for meeting the growing needs of governments, industries, and various institutions.

WHY CHOOSE TO STUDY THIS PROGRAM IN JSU:

The Computer Science and Communication Engineering is comprised of well-known research groups, very nice facilities and an amazing work environment with people from all around the world. The infrastructure, financing and facilities are first class. The School is well equipped with state-of-the-art facilities. It has several computer laboratories with high class servers, maintained by skilled technical experts, in which industrial methods of software development, network design and other products which are found in the market nationally and internationally.

CORE COURSES

Numerical Analysis
Matrix
Distributed computing technology
Information Security Technology
Cryptography and Network Secutiry
Image Processing
Cloud Computing
Applications of Wireless Sensor Network
Advance Computer Network

Masters in
COMPUTER SCIENCE & TECHNOLOGY

Program Duration: 3 Years
Intake: March & September
Tuition: 24000 CNY/Year
Department:
School of Computer Science & Communications Eng.
Scholarships:
20,000 CNY (Presidential)
1,000 3,000 CNY (Schooling)

RESEARCH DIRECTIONS

Computer Architecture
Computer Softwaree and Theory
Computer Application Technology

PhD in
COMPUTER APPLIED TECHNOLOGY

Program Duration: 3 Years
Intake: March & September
Tuition: 28000 CNY/Year
Department:
School of Computer Science & Communications Eng.
Scholarships:
28,000 CNY including Accommodation (Presidential)
1,000 - 3000 CNY (Schooling)

RESEARCH DIRECTIONS

Multimedia and Intelligent Information Processing.
Trusted Computing and Internet of Things System.
Service Computing and Information Security.
Data Mining and Information Retrieval.

Masters in
INFORMATION & COMMUNICATION SYSTEMS

The master degree in Communication and Information Systems provides advanced training in communication engineering. It prepares the student for an exciting career whether in industry or academia. Compulsory courses include digital communication, digital signal processing, applied random process and frontiers of modern communication and networks. Students are able to choose optional courses to suit their interest and research area.

RESEARCH DIRECTIONS

Mobile Communication and Wireless Communication Technology
Communication Network
Optical Communication Technology
Signal Processing Technology

Program Duration: 3 Years
Intake: March & September
Tuition: 24000 CNY/Year
Department:
School of Computer Science & Communications Eng.
Scholarships:
20,000 CNY (Presidential)
1,000-3,000 CNY (Schooling)

HOW WILL THIS COURSE ENHANCE MY CAREER PROSPECTS?

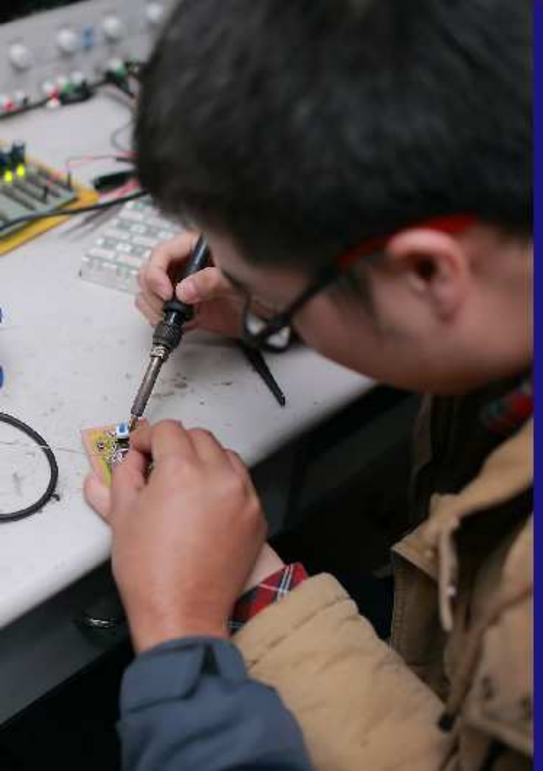
This program will equip you with the needed skills to make you relevant in the fast changing telecommunication industry. It will give you diverse technical knowledge and skills in both communication and information systems.Graduates of this course can find work in industry as telecommunication network planners, network engineers, wireless engineers, IT specialists, software engineers and technical sales engineers. Graduates can, also, go further to pursue a doctoral research degree to prepare them for teaching and research careers.

WHY CHOOSE TO STUDY THIS PROGRAM IN JSU:

The training provided in this program enables you to develop analytical and numerical skills necessary to work in the telecommunication industry. Secondly, it helps you to acquire technical knowledge about modern communication systems. It provides practical training in mobile internet development. Moreover, you acquire valuable research skills to enable you pursue a doctoral degree.

CORE COURSES

Random Process
Modern Communication Systems and Networks
Communication Systems Design & Application
Optical Communication Technology
Communication Network Simulation Technology
Advanced Computer Network
Modern Digital Signal Processing
Image Processing
Applications of Wireless Sensor Network



Masters in SOFTWARE ENGINEERING

From a distance, programs in software engineering and computer science may appear to cover the same ground. On closer examination, you'll find dramatic differences in both foundations and futures. Each has evolved its own field of expertise (content) and approach to instruction (delivery). The differences can shape the trajectory of your career. Software engineering focuses on technical and managerial leadership for large and complex systems. Software engineering curricula are anchored in real-world problems. Because software engineers apply professional judgment acquired through practical experience, their training is hands-on, project focused and team-centered.

RESEARCH DIRECTIONS

1. Distributed Computing
2. Trusted Computing and Computability Theory
3. Software Development Methodology

Program Duration: 3 Years

Intake: March & September

Tuition: 24000 CNY/Year

Department:

School of Computer Science & Communications Eng.

Scholarships:

20,000 CNY (Presidential)

1,000-3,000 CNY (Schooling)

WHY CHOOSE TO STUDY THIS PROGRAM IN JSU:

Jiangsu University has some innovative archiements and interesting results in this reaserch field. Our research faculty in this direction have been awarded by China central government, including one Second Prize of Jiangsu and one Seond Prize of Ministerial Awards of Science and Technology Progress, two Third Prizes of Science and Technology Progress awarded by Jiangsu provical government and several times Award issued by Zhenjiang city.

HOW WILL THIS COURSE ENHANCE MY CAREER PROSPECTS?

Those who gain the most from software engineering programs tend to welcome a broad range of problem-solving concerns, ranging from systems design and construction to strategic acquisitions, and from requirements analysis to quality assurance. A few years down the road, alumni of leading software engineering graduate programs report holding such positions as chief strategy officer, project manager, chief technology officer, software architect, senior manager of software development, risk management officer, and security analyst.

CORE COURSES

Mathematical Logic
Advanced Object-Oriented Technology and Application
Distributed computing technology
Information Security
Human-Computer Interaction Technology
Cryptography and Network Security
Principles and Techniques of Search Engine
Software System Design and Development