

# USTC International Graduate Programs Admission

## Catalog 2013

Graduate School of USTC

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# Part I . Introduction to USTC

The University of Science and Technology of China (USTC) is under the jurisdiction of the Chinese Academy of Sciences (CAS). As a key university of the nation, it is noted for its advanced science and high technology programs, unique management studies and well-tailored disciplines in the humanities.

USTC was established in Beijing in September 1958. Led by a group of most renowned Chinese scientists of the time—Yan Jici, Hua Luogeng, Qian Xuesen, Zhao Zhongyao, Guo Yonghuai, Zhao Jiuzhang and Bei Shizhang, USTC set up a series of programs that creatively encompassed the frontiers of science and new technologies to meet the needs of the nation for developing science and technology.

The University emphasized the teaching of fundamental courses and provided its students with a wide range of high-level training that incorporated newly-emerging as well as interdisciplinary fields of study. In its second year, USTC quickly rose to the status of a national key university. It has been one of the first institutions included in China's "985 Program" and "Project 211", and the only university participating in the National Program for Knowledge Innovation.

USTC now has eight national key programs of first-level disciplines, four national key programs of second-level disciplines, two programs with major national support, and 19 programs with major provincial and ministerial support. It has 34 national-level and CAS/provincial/ ministerial-level laboratories and research centers, including the National

Synchrotron Radiation Laboratory, the Hefei National Laboratory for Physical Sciences at the Microscale, the National Key Laboratory of Fire Science, the National High Performance Computing Center at Hefei, and the National Geophysical Observatory at Mencheng.

USTC has 1,162 full-time teachers and 286 researchers, among whom 33 are academicians of the Chinese Academy of Sciences or Chinese Academy of Engineering (CAE), 9 academicians of the Third World Academy of Sciences, 342 doctoral advisors, 450 professors and 646 associate professors. Of its 15,500 plus students, over 1,900 are doctoral students, over 6,200 are master's students, and more than 7,400 are undergraduate students.

Over the past fifty years, USTC has faithfully kept to its high-quality educational mission. By the end of 2011, the University has graduated some 50,000 students, 42 of whom have eventually become CAS or CAE academicians. On average, every 1,000 of its college graduates would see over 700 continue to pursue and receive a master's or doctor's degree and one elected CAS or CAE academician, which ranks among the top few of Chinese universities.

## **Part II. Main Specialties**

### **I. Introduction to School of Management, USTC**

The School of Management, University of Science and Technology of China (USTC)

was founded in June 1995. The mission of the School is to generate ideas and tools to enrich management theory and practice, and to develop talents and leaders to serve China. There are three departments and five centers within the School, namely, the Department of Business Management, the Department of Management Science and the Department of Statistics and Finance. The five centers are: the EMBA Center, the MBA Center, the MPA Center, the MPM Center and Executive Development Program Center.

Remaining high-speed sustainable development, the School built a team with a group of competent faculty members in both research and teaching, including a National Innovation Research Team, a National Teaching Team, two winners of National Science Foundation for Distinguished Young Scholars, one Changjiang Distinguished Professor, two winners of *China National Funds for Distinguished Young Scientists*, one winner of *Joint Research Fund for Overseas Chinese, Hong Kong and Macao Young Scholars*, and four enlisted scientists for *Hundred Talents Program* of CAS. The school has engaged dozens of well-known foreign and domestic scholars and experts as its adjunct professors and guest professors, who bridge the school's activities to social needs and provide more opportunities for students' research and practice. The School has accomplished a considerably high number of international publications and research projects.

The School has always been actively involved in exploring opportunities of international exchanges, and has built up cooperation and exchange programs with many universities from North American, Australia, Japan, Singapore, Hong Kong SAR, and Taiwan region. Over the decades, the School has turned out tens of hundreds of highly qualified professionals, many of whom have become great contributors for commercial

industry, government or financial institutions.

## **i. Master Of Business Administration(MBA)**

The Master of Business Administration program at the University of Science and Technology of China was launched in 1998, and has enrolled more than 6000 students ever since, among whom more than 4000 have graduated and 800 are in senior leadership positions in company. Our graduates work in various industries covering finance, securities, insurance, telecommunication, civil aviation, and IT industries, in major cities like Beijing, Shanghai, Shenzhen, Hefei and Suzhou.

The USTC MBA Program sticks to the principle of instructing theories, improving capacity, training thinking patterns and shaping behavior through in-class teaching, after-class exercise, field practice and on-the-job training.

The USTC MBA program has a top-notch faculty team: all of our faculty members are either associate professors and above, or hold Ph.D. degrees. Our students have the privilege to enjoy our faculty's business management and consultation experience. The school has a Corporate Advisory Team, with entrepreneurs and senior executives, to share their views concerning business education in China or to be career advisors. The USTC has also signed internship agreements with more than 40 outstanding enterprises, and this would fulfill the need of field visiting and practicing.

In the 14 years since its launch, the USTC MBA program has solidified its reputation from society and superior government departments. The USTC MBA program got a high

ranking in the MBA qualification assessment launched to evaluate MBA program by Academic Degrees Committee of the State Council. The program also got a high ranking on the Forbes list of MBA graduates salary growth. The USTC School of Management was titled *Top 10 Business School in 2011* by NetEase. Our goal is to become a top Chinese MBA program with high international recognition, and we are working hard to achieve that goal.

## **ii. Doctoral Program in Business Management(DBA)**

Doctoral Program of Business Management at School of Management, USTC is the Provincial First Class Discipline in Anhui. This program prepares scholarly researchers in Business Management with scientific research skills. The graduates with mathematical analysis background should be able to analyze and conduct independent research of the cutting-edge research topics of the discipline.

Business Management program has a young scientific research team with strong interdisciplinary research ability. Team members have either been academic qualified with Ph.D. degrees, or professionally severed in corporations. The key members have held many national research fund programs. The program has 12 professors, 20 associate professors and 11 lecturers, and almost 90% of them have Ph.D. degrees. There are one winner of National Science Foundation for Distinguished Young Scholars, one Changjiang Distinguished Professor, and 4 winners of Program for New Century Excellent Talents in University of Ministry of Education of China. Recently, the program has got a significant

achievement in research, education and corporation service. It has undertaken more than 20 programs of National Natural Science Foundation of China, provincial research programs, and more than 40 corporate research programs, with 300 research papers published.

Research area: 1. Operational and Marketing Management; 2. Strategic Management; 3. Human Resource Management; 4. Finance and Accounting Risk Management; 5. Technological Economy and Management

## **II. Introduction to School of Public Affairs ,USTC**

The School of Public Affairs (SPA) was founded in 2010. Its establishment is an important measure for USTC to better serve social development services. SPA will integrate high-quality scientific and educational resources in schools and the community, and offer graduate education and advanced training, to create an internationally renowned, first-class School of Public Affairs.

Graduate education, SPA offers programs as Master of Laws and Master of Logistics Engineering, Master of Project Management, Master of Public Administration, PhD in management of intellectual property. At present, the School is committed to graduate education of professional degrees, and training senior administrative officer and managers. The School of Public Affairs responds closely to the needs of the community and vigorously conducts relevant and valuable research and graduate education.

The School of Public Affairs focuses on research and curriculum development, and



constantly improves the overall ability of scientific research. The School has Center for Public Economics, Center for Public Policy Research, Center for Public Administration and Center for International Affairs. It also has a first-class Intellectual Property Rights Management Center and a Science and Technology Laws Laboratory, which integrate national intellectual property management, laws, policy, economic analysis and practice. These centers collaborate with each other and strive to create a distinctive and distinguished School of Public Affairs.

The School of Public Affairs is actively engaged in social development, and works with relevant enterprises and organizations, to carry out multi-disciplinary collaborations. SPA is the home of national Intellectual Property Training Center, Anhui Copyright Education Model Center, Hefei Trademark and Brand Cultivation Base, and Innovative Personnel Training Base of Hefei-Wuhu-Bengbu Comprehensive Reform Pilot Area. SPA will further strengthen cooperation with enterprises, institutions and the community to foster the development of high-level, application-oriented personnel, and to actively promote economic and social development.

## **i. Juris Master(JM)**

The education of masters of laws in USTC was started in 1997. With the development of the USTC, it has made great progress in recent 3 years, as in course construction, faculty attracting, education capacity, talents training and so on.

The JM program belongs to the first grade discipline in China, and has three research directions, including Civil Law, Economic Law and Intellectual Property Law. It has

obtained the qualifications to grant all the master's degree of law and the doctor degree of intellectual property management since 2006. Through the development of recent years, it was characterized in the Civil Law and Commercial Law, Economic Law , Intellectual Property Law , Environment Law , Financial Law , with absorbing the talents to enrich the teachers and the power of subject.

The JM program of USTC, under the guidance of the spirit of good quality, distinctive character, property size, and rational construction, mainly focuses on the new legal branches through the elaborate design of majors to form professional competitive advantages. The center's main research areas are IP and Science and Technology Law, built on previous strengths.

To meet the needs from the rapidly developing society, the center fosters energetically Tax laws, The Tobacco laws, Real Estate laws, Cyber laws and Social Security laws.

At present, there are over 100 students pursuing master's degree of laws in the center.

## **ii. Master of Public Administration(MPA)**

The Public Administration Center at School of Public Affairs, University of Science and Technology of China, has a longer history and a strong academic team. It has cultivated a large number of outstanding civil servants and senior administrators for governments since its establishment. Also it undertakes MPA teaching and research work.

Taking advantage of its distinctive academic resources and faculty strengths, MPA program is dedicated to produce talents by integrating their theoretical knowledge with practical ability, and combining international perspectives and humanistic care.

In order to promote the internationalization of MPA education, we have developed collaborative relationships with world famous universities including University of Washington, University of Maryland, Virginia Polytechnic Institute, Australian National University, Monash University, Concordia University, etc., enhancing international exchanges of teachers and students.

USTC MPA Program is dedicated to train administrative elites for public sector with international perspectives, modern administration knowledge, strong conscientiousness of service and strategic thinking. Our graduates have a comprehensive knowledge of economic society and public administration, and great ability to put theories into practice.

The advantages of the courses of MPA program include theories explanation, cases analysis, scenario simulation, seminars, social investigations, feature forums, experimental drills, field trips and other various methods. The program combines students' career development with research directions, combines theory with practice, combines knowledge with problem solving ability, by carefully designing the teaching process and strictly managing the research activities. Our MPA graduates master the real professional knowledge, methods, skills, and abilities, as well as have a broad international vision.

### **iii. Master of Project Management (MPM)**

Project management represents the latest trends in modern management, which has been widely used in various fields of construction, national defense, aerospace technology, electronics, communications, computer science, software development, pharmaceuticals, conferences and exhibitions, and finance, etc. *Fortune* predicted that project management will become the most preferable occupation in the 21st century. What Project management seeks for is to reach the project's objects within the constraints of limited resources through the usage of systemic principles, theories and methods, to plan, organize, direct, coordinate, control, and review from the very beginning of the project to the end.

To meet the strong needs for executive project managers in society, USTC Master's Program of Project Management is committed to producing talents for different kinds of companies and corporations with a good master of methods of project management, great competence to tackle practical problems and proficiency in project decision and operations.

There are 20 professors and associate professors in the Project Management Program, who not only have a rich experience in project management teaching, but also have different practices of project management, and they are well qualified to train students to apply theory to practice. At the same time, our project management program regularly conducts Project Management Tutors Training Seminars. The content of our project management program curriculum is geared to the specific needs of different industries and enterprises, with the courses including the "Intellectual Property Management", "Engineering Economics" and "Advanced Management", as well as a variety of seminars and thematic reports.

### **III. Introduction to School of Humanities and Social Science, USTC**

The School of Humanities and Social Science ( SHSS ) was approved by the Chinese Academy of Science and founded in November 2000. Its goal is to cultivate well-rounded scientific experts, advocating comprehensive, quality education. Its solid cooperative relationship with the Institute of Strategic Studies in the Chinese Ministry of Science and Technology promotes the national scientific strategy and policy studies.

With 160 faculties, the School has 11 units with a faculty body including 21 professors, 62 associate professors, with national innovation base for the study of engineering science history, scientific civilization and social science. It includes the Department of Scientific History and Archaeometry, the Department of Science and Technology Communication and Policy, the Department of Foreign Languages, Modern Art Center, Ceramic Art Center, Center for Science Communication & Popularization, National Institute of Development, an Institute of Knowledge Management and Lifelong Learning Laboratory.

Dean of the HSSS is Liu Dun , who chairs the International Union of History and Philosophy of Science, Division of History of Science and Technology (IUHPS/DHST). The HSSS has 3 undergraduate majors (Communication studies, English, Archaeology ), a national key discipline ( History of Science ), a first level discipline doctoral ( Philosophy ),3 doctoral ( history of science and technology, media management, philosophy ),10 master's degree programs ( communication, media management, educational technology, the Marxism, history of science, archaeology, philosophy of

science and technology, international relations, English language and literature, Chinese philosophy ).

## **i. Master of Journalism and Communication (MJC)**

The Center of Master of Journalism and Communication (MJC) of the University of Science and Technology of China (USTC) is now recruiting full-time master students of Journalism and Communication, meeting the urgent social demand of talents in the fields of Science Communication, New Media Application, Communication Policy Research and etc. MJC is committed to nurturing specialists with good information literacy and professional ethics, modern journalism ideas and international vision, deep understanding of China's basic national conditions and proficient journalism and communication skills and methods.

The Center of MJC is carrying out teaching in the base of the Department of Science and Technology Communication and Policy (STCP). STCP, which is set up under the College of Humanities and Social Sciences, is the only base in mainland China to foster Sci-tech Communication top talents in all Bachelor, Master and Doctor Degrees. The department has an edge in science communication studies, science policy making, science journalism and new media for science popularization, education, public welfare and art. It has brought up a large number of quality students who play important roles in famous media in China including Xinhua News Agency, People's Daily, China Central TV, South Newspaper and etc. These students have been making impressive contribution in

China's journalism and science communication with the USTC spirit of "Advancing Patriots and Talents; Integrating Theory with Practice".

The Center of MJC of USTC has strong staffs. All the teachers have senior professional titles and most of them have obtained doctoral degree, with both solid theoretical foundation and rich experience in practice. They are influential in both research and industry. We have also hired reputable media people as off-campus tutors to guide the students' research work and thesis composition together with our on-campus tutors.

MJC curriculum emphasizes on the combination of theories and practices and focuses on case study and interaction between lecturers and students. We have set up dedicated teaching area and information systems and equipped MJC with complete and advanced teaching equipments. All teachers have written standardized syllabus and produced complete courseware. And each class has its own full-time class-master and counselor who is responsible for students' day-to-day affairs.

MJC, as a professional degree, attaches great importance to cultivate students' actual working ability. We have built on-campus training platform together with Science Communication Research and Development Center, Institute of Knowledge Management, Digital Culture Teaching Center and Life-Long Learning Laboratory, as well as off-campus practice base with Xinhua News Agency, China Central TV, China Youth News, China Science News, China Education TV and some other famous media in mainland China.

The training directions of MJC include Science Communication, New Media, Communication Policy, Journalism, Movie and TV, etc. USTC takes advanced ideas of MJC education from home and abroad as the guidance to enhance students' actual

communication and media skills, and is committed to fostering media elites who possess excellent content designing ability, outstanding platform management ability and perfect communication skills. The Center of MJC of USTC is becoming one of the educational institutions to cultivate genius for science communication and new media.

## **IV. Introduction to School of Software Engineering ,USTC**

School of Software Engineering (SSE) of USTC is one of the first 35 SSEs approved by the Ministry of Education of China. SSE is authorized to award Master's and doctoral degrees in the field of Software Engineering as well as doctoral. degree in electronic and information engineering. SSE USTC is one of the few SSEs in China which focus on graduate education rather than undergraduate education. Currently SSE USTC has 103 faculty members, among whom 36 are full-time, 40 are distinguished professors from USTC, and 27 are overseas professors or professional experts that have research or teaching cooperation with our University. Most faculty members hold a strong engineering background. The research interests of our faculty include Software Engineering Theory, Software System Methods and Techniques, Massive Information Processing and Knowledge Engineering, Software Service & Application, and Educational Software Engineering.

SSE USTC adheres to the educational ideology: “outstanding quality, solid foundation and practice-oriented skills”. Based on USTC's prominent teaching and research resources in Computer Engineering, Mathematics, Electronics,



Telecommunication and Microelectronics, SSE has formed distinctive program and achieved great success in Software Engineering Education. Curriculum of SSE is internationally compatible, and it follows the development of software technology, matching industry demands. Therefore, students' capability on the development of software systems, management, as well as engineering consciousness are practiced and cultivated.

SSE's cooperative education with industry, together with academic studies and scientific research has set up an excellent environment for refining engineering talents. Experts from Industry, with engineering background, are usually invited to SSE USTC to teach some core courses, which provide students with a good opportunity to gather knowledge from both theory and practice standpoints. SSE has established long-term collaborative relationships with famous institutions and IT enterprises such as Microsoft, IBM, HP, Cisco, Alcatel-Lucent, Institute of Computing of CAS and IFLYTEC. In addition, SSE has internship bases in over 70 software companies in China and Japan as well. It also has joint master's programs with Birmingham University in U.K., Clemson University in USA, and Hosei University in Japan. Students who meet the program's requirements can apply to these universities after one year's study in SSE USTC .

## **i. Master of Software Engineering (MSE)**

As of 2013, SSE USTC will recruit overseas students for Master's Program in Software Engineering, and the degree will be academically equivalent to Master of

Science in computer science abroad. MSE is a full-time program, and students are required to take 32 course credits, an additional one year's internship at an accredited organization and a thesis. The thesis must address a software engineering problem identified from real-world applications with accurate design, and reasonable and rigid analysis and discussion. The program is required to be completed in a minimum of 2.5 years and a maximum of 5 years. All teaching activities will be conducted in English on SSE's Suzhou campus.

MSE applicants are required to have a bachelor's degree which is accredited by the Ministry of Education of China. Overseas applicants can be admitted through application materials review system, and applicants from Hong Kong, Macao and Taiwan are required to participate in the specific postgraduate entrance examination organized by the Ministry of Education of China.

MSE aims to cultivate talents of Software and System Analysis, Design, Development and Management. This program will foster students with solid and comprehensive foundation, as well as innovative minds. Apart from the grasp of the basic knowledge and theory of software engineering, the students training emphasizes the study of advanced operating systems, advanced database and advanced computer network as well as the training of modern software systems analysis and design methods such as object-oriented technology so as to independently undertake software projects and participate in large-scale software development. Meanwhile, management related courses are available for students to grasp management knowledge. In a word, MSE is aimed to cultivate technology talents and management talents who are high-level, versatile,

industry-oriented and internationalized.

MSE students can also apply to Birmingham University in U.K., Clemson University in USA, and Hosei University in Japan, which are partner universities of SSE. Students admitted by the universities can partially transfer their credits, go on studying there and finish their master thesis in the second year. Joint programs participants can receive degrees of both USTC and the partner universities.

Office for MPOS is on Suzhou campus as follows:

**Address:** .166# Ren'ai Road., .Dushu Lake High Education Town,

Suzhou Industrial Park, Suzhou, Jiangsu Province, P.R.China

School of Software Engineering of USTC Zip code:215123

**Contact:** Feng (Edward) Liu

Office Phone: 0086-512-68839305

Cell Phone: 18913107606

Fax: 0086-512-68839210

Email : liufeng08@ustc.edu.cn

**Website:** [http://sse\\_en.ustc.edu.cn/](http://sse_en.ustc.edu.cn/)

# Part III . Introduction to Admission Catalog

## I. Programs Offered

Programs can be offered in Chinese or English at the requirement of candidates, while masters' program length is 2-3 academic years and doctoral program length is 3-4 academic years. The programs include MBA, MPA, MLE, LLM, MPM, MSE, MJC and PhD in Management Science.

## II . Tuition

Masters' Program	RMB30,000/year
Doctoral Program	RMB35,000/year

## III . Application Procedures and Deadline

### Step 1: On line Application

Download the Application at Graduate School, University of Science and Technology of China (<http://yz.ustc.edu.cn>) and send it to [wxm1338@mail.ustc.edu.cn](mailto:wxm1338@mail.ustc.edu.cn).

### Step 2: Submission of Documents

Submit the application documents listed below to the Admissions Office, Graduate School, University of Science and Technology of China by post mail or in person.

## **IV. Requirements**

Applicants for Masters' program must be non-Chinese citizens in good health, have a bachelor's degree and be under the age of 40. Applicants for Doctoral program must be non-Chinese citizens in good health, have a masters' degree and be under the age of 45. Applicants should have an HSK test score of level 4(or above) or new HSK test level 4-score 190(or above) if applying to programs in Chinese.

## **V. Documents Necessary for Application**

i. Application Form for Admission to University of Science and Technology of China (<http://yz.ustc.edu.cn>);

ii. University diploma and bachelor's degree certificate for master's program; University diploma and master's degree certificate for doctoral program. ( original copy or notarized copy in Chinese or English); graduating students can provide pre-graduation Certificate instead;

iii. Transcript for all the courses at bachelor's level or master's level in college (original copy or notarized copy in Chinese or English);

iv. HSK certificate (for Programs offered in Chinese);

v. A photocopy of passport and a recent photo (white background, 35mm×45mm in size);

vi. Personal statement (written in Chinese or English, should include study and work experience, reasons for application and study proposal);

vii. Two letters of recommendation from full professors or associate professors( in Chinese or English). Letters must include professors' phone number and email address.

**Note:** Application materials will NOT be returned regardless of the result of application.

The University may ask the applicants to submit supplementary materials if necessary.

## **VI. Application Deadline**

May 31,2013

The online application shall be completed and the application package be received by the deadline.

## **VII. Commencement of the Programs**

The graduate programs University of Science and Technology of China usually start at the end of August or the beginning of September. For the exact date, please refer to the Admission Notice.

## **VIII.Enrollment**

The university enrollment will be made on the basis of competitive selection according to the students' academic performance, personal study plan and HSK test

grade, etc. All the enrollment documents will be sent out before July 15th. The applicants can check their admission status through Admission Office, Graduate School, University of Science and Technology of China in the middle of July 2012.

## **IX.Contact**

Admissions Office

Xiaomeng Wang Tel: +86 551 3603271 Email: wxm1338@mail.ustc.edu.cn

Jiajie Jiang Tel: +86 551 3602923 Email: jjjiang@ustc.edu.cn

Fax: +86 571 3602179

Webpage: <http://yz.ustc.edu.cn>

## **X.Mailing Address:**

No. 96 Jinzhai Road, Hefei, P.R. China

Admission Office, Graduate School, University of Science and Technology of China

Postal Code: 230026