2018

Shanghai Jiao Tong University

Recruit Manual for International Undergraduate Students

UM-SJTU Joint Institute

1 JI Highlights

> First Chinese institute to win the Andrew Heiskell Award for innovation in International Education.
> More than 17 programs with dual-degree majors.
> 100% of our engineering and science faculty members have Ph.D. degrees and overseas working experiences.
> More than 30% of our graduates have been awarded scholarship.
> 3 undergraduate majors, i.e., Mechanical Engineering and Electrical & Computer Engineering, have achieved ABET accreditation.

World-class Education Model

Abiding by the philosophy of "Internationalization, Interdisciplinary, Innovation, and Quality", JI has developed a unique educational model through combining American and Chinese educational philosophies and principles. JI adopts curriculums blending the unique features of the University of Michigan and Shanghai Jiao Tong University. Both of its undergraduate majors, Mechanical Engineering (ME) and Electrical & Computer Engineering (ECE), achieved the world's most authoritative ABET accreditation.

World-class Faculty

Building a strong faculty team is a crucial component of the UM-SJTU Joint Institute's educational mission. JI recruits faculty from all over the world. All faculty members have either graduated from or worked in world-class universities such as Harvard, MIT, Stanford, Oxford, UC Berkeley, Cal Tech, UM, or Princeton.

International Training Model

Besides building students' solid foundation in engineering, JI serves to develop their problem-solving capabilities as well as soft skills such as creativity, teamwork, communication, and leadership. JI also provides students abundant opportunities to study abroad at its partner universities around the world, in order to prepare students for challenging future careers and to become global leaders in fields of their choice.

2 Study at JI

At the undergraduate level, students can choose from subject areas including Mechanical Engineering, Electrical and Computer Engineering, or Materials Science and Engineering.

While the undergraduate program focuses on developing knowledge and skills through class and laboratory work, graduate education at JI puts increased emphasis on developing students' independent research abilities. During their Master's program of studies, students must still take a substantial number of courses, whereas original research is the central focus of their doctoral program.

And here's a look at JI's research focus areas…

> Biomedical Technology
> Communication and Networking
> Design and Manufacturing
> Dynamics and Vibrations
> Energy and Power Systems
> Mechatronics and Control
> Micro/Nano/Bio Devices
> Optics and Optoelectronics
> Structure and Materials
> Thermo/Fluid Dynamics

3 Programs

Bachelor's Degree Program

Students spend four years at JI and obtain a bachelor's degree in Mechanical Engineering (ME), Electrical and Computer Engineering (ECE), or Materials Science and Engineering (MSE) from SJTU.
Students can also obtain a Minor in Entrepreneurship that gives exposure to business fundamentals, lean startup methodology, intrapreneurship based on three-month internship in a company and another three-month, group-collaborative development project with a company in China.

UM-SJTU Dual Degree Program

Students who participate in this program typically spend two-and-a-half to three years at JI and two years at UM. They graduate with two bachelor's degrees in majors from SJTU (of 3 engineering majors) and UM (of 15 different engineering majors, physics, and mathematics) respectively.

UM-SJTU Sequential Undergraduate/Graduate Study (SUGS) Program

Students who have studied at JI for four years and obtained a bachelor's degree in engineering from SJTU can apply for the SUGS program. If admitted, they would study at UM for one year to receive either a Master of Science degree from the College of Engineering, or a Master of Management degree from the Ross School of Business.

JI - KTH 3+2 Bachelor/Master Program

Students who participate in this program typically spend three-and-a-half years at JI and two years at KTH, and graduate with an SJTU Bachelor's degree and a KTH Master's degree.

4 Future Development

GRADUATE PLACEMENT

Every year, nearly 80% of JI graduate continue to pursue further study at top universities worldwide. More than 60% of those who choose to study at American Universities enter top 20 engineering graduate schools.

Most of those who choose to enter the job market have been employed by leading domestic and multinational companies.

PARTIAL STATISTICS OF JI 2010-2016 CLASSES' STUDENTS STUDYING AT U.S. GRADUATE SCHOOL

Massachusetts Institute of Technology	7	Stanford University	38
University of California-Berkeley	29	Carnegie Mellon University	40
California Institute of Technology	2	Georgia Institute of Technology	24
University of Illinois-Urbana-Champaign	14	University of Michigan-Ann Arbor	390
Purdue University	12	University of Texas-Austin	15
University of Southern California	46	Texas A&M University	12
Cornell University	17	Columbia University	47
University of California-San Diego	32	Harvard University	2
Princeton University	7	University of Pennsylvania	25
University of California-Los Angeles	26	Yale University	2

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SJTU-ParisTech Elite Institute of Technology

Classes of less than 20 students, allowing closer communication between teachers and students.

Multicultural environment, teaching in French, English and Chinese; 60% international professors

Three internships for 10 months (2 in companies and 1 in laboratory)

100% of students have an opportunity to study abroad, from 6 months to 2.5 years

SJTU-ParisTech Elite Institute of Technology (SPEIT) brings together the strengths of leading French Grandes Écoles (Ecole Polytechnique, Mines ParisTech, Telecom ParisTech, ENSTA ParisTech) and of Shanghai Jiao Tong University to educate high-potential Chinese and international students to become industrial leaders and innovators. In 2015, SPEIT got the accreditation of French Commission des Titres d'Ingénieurs and EUR-ACE: SPEIT graduates are awarded French titre d'ingénieur, which is internationally acknowledged as an equivalent to a Master in Engineering Science.

Grandes Écoles is unique in French higher education system, which aims to train engineering elites and managers in business and government departments. It is usually small-sized and has a strict selection of candidates, thus attracting the best French high school graduates. Most of French engineers, industrial research experts, business executives and administration officers graduated here, forming the most influential alumni network. The "Diploma in Engineering" is the most widely accepted diploma in France, even in Europe and in USA.

1 The three majors

Mechanical Engineering
Develops creative talents in mechanics, material science and control technology, as well as in leadership, finance and industrial management.

Energy and Power Engineering
Cultivates composite, creative talents with thermal, mechanical, electrical, material integration theory and technology; in addition, trains students' ability in leadership, finance and industrial management.

Information Engineering
Trains students as a high-level pioneer in information and communication technology and the applications. Leadership, finance and industrial management will also be important parts of this program.

2 Program and diploma

The institute combines both Chinese and French educational systems and resources, with an academic system for 4 years of undergraduate and 2.5 years of master. Those who meet the academic requirements can go directly into the master after 4 years of undergraduate's study.
The curriculum is divided into fundamental cycle and engineering cycle. Fundamental cycle focuses on mathematical and physics basis, and then students enter different majors of engineering cycle.
Students who complete all academic requirements are offered a Bachelor's degree (diploma) from Shanghai Jiao Tong University, a Master's degree (diploma) from Shanghai Jiao Tong University, and a Degree of French Engineers certified by the French Institute of Engineers (CTI).

3 Key features

1. Curriculum established by experienced French and Chinese teachers: 60% of them are French and 90% of them have a doctor degree. Most of the courses in Engineering Cycle are taught by ParisTech visiting professors and SJTU experienced professors.
2. Close collaboration with companies. Companies are involved in curriculum with 20% courses taught by industrial experts. Students should complete 3 internships in companies during the program.
3. 30% courses on language, humanities and management.

4 The Business Club

The Business Club is a privileged frame for the strategic dialogue between companies and academic members of SPEIT. Business club members participate in the governance of the institute and offer scholarships, internships and job opportunities to SPEIT students.

5 Scholarship

SPEIT provides different scholarships (Dean Scholarships, Excellent Scholarships, ARDIAN Social and Excellent Scholarships, etc.) to excellent students.

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School of Naval Architecture, Ocean and Civil Engineering

1 Introduction of NAOCE

The School of Naval Architecture, Ocean and Civil Engineering (NAOCE) has a strong tradition of excellence and is comprised of five departments: naval architecture and ocean engineering, engineering mechanics, civil engineering, architecture, and transportation and shipping logistics. It is the home of the State Key Laboratory of Ocean Engineering and the Collaborative Innovation Center for Advanced Ship and Deep-Sea Exploration. The naval architecture and ocean engineering program has been ranked No. 1 in 2017 Shanghai Ranking's Global Ranking of Academic Subjects. The School also features two state key disciplines (Naval Architecture and Ocean Engineering; Mechanics).
The School has 224 faculty members, including 78 professors and 90 associate professors. Among them, there are seven academicians of CAS and CAE, eight Thousand Talents Plan experts, six MOE Cheung Kong Scholars, and two NSFC distinguished young researchers.
Our research achievements have covered key technology of Naval Architecture and Ocean Engineering, Engineering Mechanics, Civil Engineering, Architecture, and Transportation Engineering, 3000-metre-deep underwater equipment, Marine mineral resources development and ocean engineering equipment. Students and alumni of the School of NAOCE have created many "firsts" in modern and contemporary Chinese and even world history: the first nuclear-powered submarine, the first 10,000-ton freighter, the first manned lifeboat, the first double-track towing tank, the first inshore drilling platform, etc.

Shanghai Ranking's Global Ranking of Academic Subjects	
Naval Architecture and Ocean Engineering	1

2018 QS World University Rankings by Subject	
Civil Engineering	32

2 Department Introduction

Naval Architecture and Ocean Engineering (NAOE)
The Department of Naval Architecture and Ocean Engineering (NAOE), founded in 1943, was the first higher education and scientific research school in China for this area. It also tops the ranking in 2017 Shanghai Ranking's Global Ranking of Academic Subjects. The department has a strong organization and a highly competent faculty that exceeds 160 in number. It is supported by five national centers, as well as several other centers and industry laboratories. It encompasses the whole ocean engineering aspects, including design and manufacture, fluid mechanics, structural mechanics, ship performance, special equipment, ocean engineering, underwater engineering, acoustics engineering, marine engine engineering, costal engineering, ocean science, etc. Globalization is the main strategy. Creative students in this diverse background can develop their own critical thinking, drive innovation, lead international research programs and try to solve the problems in the world cutting-edge technologies.

Engineering Mechanics
Founded in 1958, the Department of Engineering Mechanics includes four sub-disciplines: solid mechanics, fluid mechanics, general mechanics, and engineering mechanics. The field of Mechanics is ranked at 8th in 2017 Shanghai Ranking's Global Ranking of Academic Subjects. There are 62 faculty and staff members, including 16 professors and 28 associate professors, among with one CAE Academician, two National Model Educators, one Thousand Talents Plan Expert, one MOE Cheung Kong Scholar; 80% faculty members hold PhD degrees and 50% with overseas doctoral degrees. Upholding a unique educational philosophy of research and innovation, it has cultivated high-level talents for fundamental mechanics theory, research on the frontier mechanics of interdisciplinary subjects, engineering technology, and management in the related fields, and has achieved enormous accomplishments in Science and Technology.

Civil Engineering
The Department of Civil Engineering provides undergraduate, master, and doctoral degree courses. In 2012, the Department was listed in the Education system for Outstanding Engineers Program by Ministry of Education, China. The field of Civil and Structural Engineering is selected in the National Double First-Class Discipline Initiatives in 2017 and ranked at 32nd in the 2017 QS World University Rankings. By the end of 2017, there are 65 faculty and staff members, including 25 full professors, 29 associate professors, 2 CAE Academicians. Significance research advancements have been achieved in the area of Structural safety, Geotechnical Engineering, and Disaster prevention.

Department of Transportation and Shipping Logistics
Founded in 1995, the Department of Transportation and Shipping Logistics offers Bachelor Program in Transportation (Transportation Engineering and Logistics) and Master Program in Transportation Engineering, as well as part time master programs in Logistics Engineering, Transportation Engineering and Project Management, respectively. Now there are altogether 17 faculty and staff members, including four professors, five associate professors, one Thousand Talents Plan expert, one Thousand Young Talents Plan Expert, and one MOE Cheung Kong Scholar. The main research areas include International Shipping and Logistics, Transportation Planning and Management, Transportation Safety, and Construction and Management of Transportation Infrastructure, aiming to further develop comprehensive transportation with the water shipping and logistics as the highlights.

Architecture
The Department of Architecture has 33 faculty and staff members including 7 professors and 17 associate professors. The subject of architecture is ranked between 50th -100th in the 2017 QS World University Rankings. It targets at providing an accessible, intellectually rigorous education that firmly grounds students in architectural design and theory, architecture history and theory, architecture heritage protection and development, architectural technology, and urban planning and design. It has been working to cultivate talented designers to serve as leaders in the fields of urban planning, architectural design and management.

3 Major Introduction

The bachelor program of architecture (Five-Year Track) enrolls students separately from 2018. Except that, the remaining bachelor programs offered by School of NAOCE recruit undergraduates under one platform of Ocean Engineering and Civil Engineering. All the admitted freshmen need to enroll the general courses offered by this platform. After that, they could choose their own major from one of the following majors, such as Naval Architecture and Ocean Engineering(either in the direction of design and manufacture of ships and marine structure or marine engineering and automation), Engineering Mechanics, Civil Engineering and Transportation and Shipping Logistics.

Naval Architecture and Ocean Engineering(NAOE)
The department of NAOE is the pioneer in research development and talent training of naval architecture and ocean engineering in China. The bachelor program includes two directions, i.e., one in design and manufacture of ships and marine structure and another in marine engineering and automation. The graduated students could work in the following organizations and companies, such as naval architecture and ocean engineering research institution, marine bureau, shipping companies from home and abroad, offshore oil institutes, ship transport management, ship trade and operation, power machinery manufacturing enterprises, etc.

Engineering Mechanics
The Bachelor Program of Engineering Mechanics mainly focuses on the ability to master the fundamental theory and solve practical problems. Students graduate from this major could pursue a higher degree in the distinguished universities from home and abroad or serve in the following areas such as aerospace, mechanical vehicles, ocean engineering, civil construction, power wind, information software, etc.

Civil Engineering
With a long history, the Department of Civil Engineering has

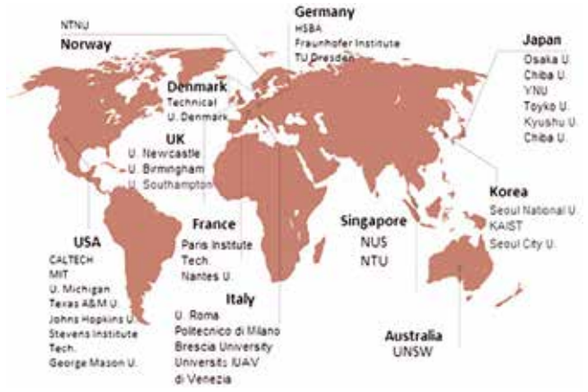
been listed in the Education system for Outstanding Engineers Program by Ministry of Education, China recently. It strives to cultivate students' comprehensive and innovative ability. After graduation, students could work in the engineering related areas such as civil engineering design institutes, construction organizations, real estate companies and related government departments, banks, etc.

Transportation and Shipping Logistics
The Bachelor Program of Transportation and Shipping Logistics is mainly engaged in the areas of transportation planning and management, traffic information engineering and control, international shipping and modern logistics. After graduation, students could serve at government traffic management department, transportation planning and design institute, intelligent transportation system development and manufacturing enterprise, engineering and management consulting company, shipping aviation and logistics company, international shipping freight forwarding, ship trade and operation, marine insurance and maritime arbitration institution, etc.

Architecture (Five-Year Track)
The Bachelor Program of Architecture aims at providing a solid foundation for students while developing their professional skills. Coupled with the decent academic reputation of SJTU and strict requirement, it makes students very competitive in the job markets after graduation. Some graduates will continue their further education at the top universities from home and abroad. Some will work in the areas of architectural design, urban planning, landscape design or serve at the real estate development companies, government management departments, investment banking, scientific research stitutions, innovative organizations, etc.

4 Globalization

NAOCE implemented actively the global strategy of SJTU and integrated the international education and research within the framework of the college development. We have been striving to develop the cooperation with the world-class universities and scientific research institutions. Through unremitting efforts, NAOCE has achieved remarkable results in the areas of international education, the introduction and training of the international vision and competitive faculty members, and the substantial international research cooperation.



5 Future Development

We have not only the highly respected and senior professors, but also the creative young academic leaders who are actively engaged in the academic frontiers. We take pride in offering a "boutique" program, focusing on the education of scholarly and educational talents in leading edge. We also provide students with various opportunities to study abroad at our partner universities around the world.

Based on the globalization strategy, our school carries forward the SJTU fine tradition of aiming higher, stressing on practice and seeking innovation. We emphasize cultivating talents with the ability of capacity-building, knowledge inquiry and personality formation and we will continuously deliver global talents with international competitive ability to the society.

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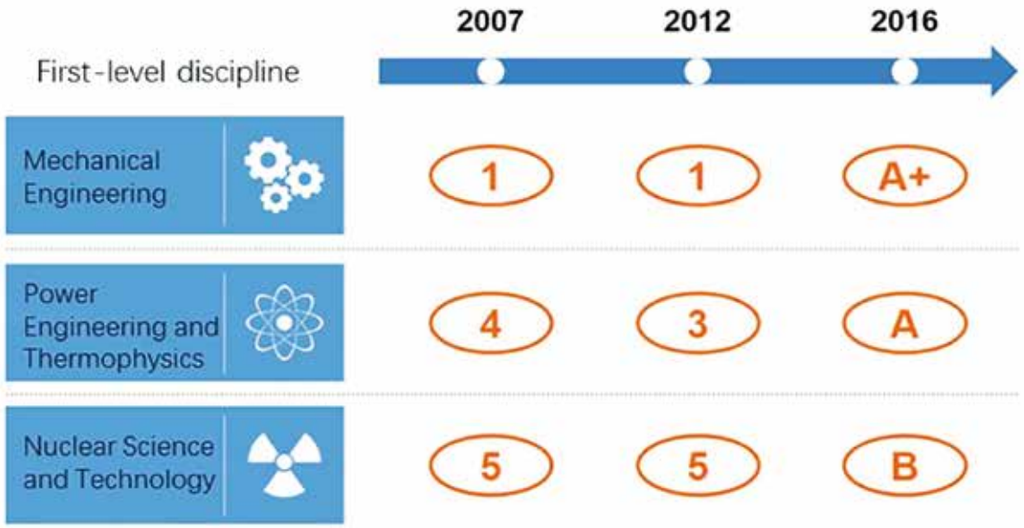
School of Mechanical Engineering ▸

1 ME at a Glance

The history of the School of Mechanical Engineering dates back to 1913 when it was then called the Electrical and Mechanical Department. Upholding the education philosophy of preparing students with solid knowledge background and enhancing their practical and innovative capability, the school has been persistently nurturing students with the fundamental aim of cultivating talents. Over the past century, enormous talents from our school represented by Qian Xuesen have created many "firsts" in China, which made a significant contribution to national prosperity and scientific development.

The school aims to cultivate students' science spirit, innovative ability, skepticism and critical thinking and nurture them into top-notch innovative talents who have solid foundation, rich knowledge, strong practical ability, high comprehensive quality, international view and patriotism. Focusing on basic research for application with prospect, strategy and direction, the school pursue world class academic competitive and influence. Oriented in serving the development of national economy and significant national strategic needs, the school endeavors to pioneer in new research fields and seek for new discipline directions to show "Chinese characteristics" through significant key core technology. In 2011, ME was selected as the pilot school for the national education system reform. Our Mechanical and Power Engineering ranked 27th on 2017 QS World University Rankings by Subjects. In the newest discipline evaluation ranking released by the Ministry of Education, Mechanical Engineering ranks A+ （top 2%） three times in a row; Power Engineering and Thermophysics enters into A class (top 2-5%); Nuclear Science and Technology is in B class (top 20-30%).



Discipline evaluation ranking from 2007 to 2016

Faculty

Focusing on strengthening the teams of high-level talents and young teachers, the school has attracted and cultivated a large number of professionals and scholars. We have:

330 full time teachers
130 professors and research fellows
6 chosen as academicians of Chinese Academy of Science/Engineering
6 chosen as "973"Chief Scientists
18 specially-appointed/ guest professors of Chang Jiang Scholars Program
8 involved in Thousand Talents Plan
16 involved in China National Funds for Distinguished Young Scientists
9 involved in Outstanding Youth Foundation
1 involved in National Youth Top-notch Talents Plan
2 Young Chang Jiang Scholars
5 involved in Thousand Young Talents Program
2 Creative Groups of the National Natural Science Foundation of China
2 Creative Team Programs of the Ministry of Education

Scientific Research

Standing on the frontier of world science and technology and complying with the development of national economy and significant national strategic needs, the school has undertaken a large batch of scientific and research tasks and made great breakthroughs in the basic research and key technology in terms of aerospace, aircraft, automobile, nuclear power, high-end manufacturing equipment and so on. The school has made an irreplaceable contribution to China's science and technology development and major projects as a strong impetus to improve the overall level of mechanical and power engineering and to boost the development of relative industries. Nowadays, the school has evolved into the base for cultivating high-quality innovative talents who has solid foundation and are confident to face the world and the future as well as a high-level scientific research base with prominent advantages, distinction and innovation.

International Education

Internationalization is one of the most important features of our school development. Our cultivation system is in line with first-class universities. Currently, the school has been vigorously carrying out high-level joint programs with over 40 world's prestigious engineering universities. Furthermore, trilateral cooperation pattern between SJTU, overseas universities and multinational enterprises was formed for implementing international graduation projects in order to enhance students' ability of engineering design and cross-culture cooperation as well as to boost their international vision. The two programs of "Innovation and Intelligence Base for Automobile Digital Design and Manufacture" and "Innovation and Intelligence Base for Thermal System and Energy Application" were included into the "University Talents Introduction Plan for Discipline Innovation" by the Ministry of Education of China.

2 Programs Introduction

Mechanical Engineering

It is one of the oldest and most prestigious programs in SJTU aimed to develop creative talents in mechanical design and manufacturing technology and modern control technology. It keeps ranking first in China for many consecutive years by subject assessment of Ministry of Education.

Power and Energy Engineering

It is one of the oldest and strongest programs in SJTU, in which the fields of automotive power engineering, refrigeration and cryogenic technology takes lead in the world. It aims to cultivate composite, creative talents integrated with professional knowledge and capabilities of power engineering, mechanical, materials disciplines.

Industrial Engineering

SJTU is the first one in China to set up such a program in accordance with the national strategic need for developing into an innovative country with smart manufacturing. It aims to cultivate composite high-level management talents with solid engineering and technical knowledge and modern management methods.

Alternative Energy Science and Engineering

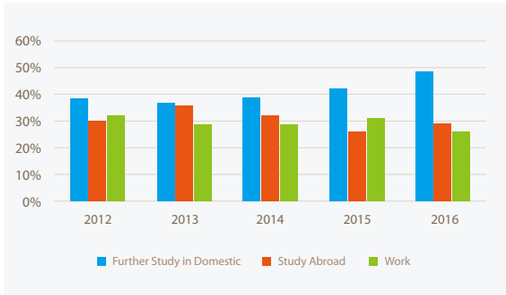
In order to meet the demand for developing strategic emerging industries and innovative talents, it focuses on the frontier science and engineering technology of new energy development, storage and transportation, conversion and utilization. It aims to cultivate composite international talents in high-end technology and industry.

3 Future Development

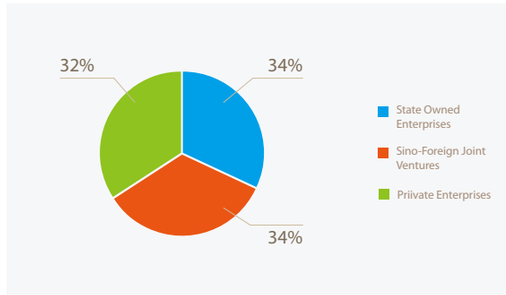
The school has been vigorously stepping up its international development with an international curriculum. Every year, near 30% of all undergraduates will attend various exchange programs, joint degree programs and double-degree programs while near over 100 undergraduates from our partner universities will come to study in SJTU. In future, the school will continue to pursue the goal of becoming a world-class engineering school based on the international development strategy, making still more contributions in implementing the strategies of revitalizing China through science, education and human resource and building an innovative-oriented country.

Career direction : (Undergraduates of SJTU-ME)

Undergraduates Statistics in last five years



Where Class of 2016 undergraduates are emplyed



Outstanding international student cases:

Park Hyun Jun, from South Korea, enrolled in Shanghai Jiao Tong University and studied in school of Mechanical Engineering since 2010. During his stay here, Park Hyun Jun got 3.40 in GPA, an average grade of 83. In 2011, he won the Chinese Government Scholarship for foreign students in Shanghai (type C). He was awarded the honorary outstanding international student of SJTU in 2013 and won the Chinese government's self-sponsored outstanding international students scholarships in 2014, then in 2015 he won these two prizes again. In 2016, Park Hyun Jun received the honor of outstanding graduates of Shanghai Jiao Tong University. In addition, he also participated in various activities during his stay here. He participated in the International Design Contest and the second Chinese Element Creative Design Contest for Shanghai International Student and won the second prizes in both competitions.

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School of Electronic Information and Electrical Engineering ▸

The school's disciplines and majors cover all areas of Computer Science and Electrical & Electronic Engineering. Our students have a wide range of employment and top employment rate compared to other graduates in the same field nationwide

The school has the IEEE Pilot Class in the field of electronic information, which gathers top students in the country.

The school has the pilot class assessed by the Ministry of Education for training outstanding engineers.

The school has established long-term collaborative relationship with many world-renowned universities in student cultivation. The proportion of students studying abroad is around 30%.

The School of Electronic Information and Electrical Engineering (SEIEE) is one of the largest and most powerful colleges in Shanghai Jiao Tong University. During the century-long growth, we have cultivated a large number of outstanding statesmen, industrialists, scientists, educators and more than 100,000 talents in related fields, such as Jiang Zemin, Wang An, Zhang Zhongjun and other professionals.

SEIEE has 9 undergraduate majors including Electric Power Engineering and Automation, Computer Science and Technology, Measurement Control Technology and Instruments, Automation, Electronic Science and Technology, Information Engineering, Information Security, Software Engineering, and Microelectronics Science and Engineering. The school has assembled a large number of experts and scholars and renowned professors. There are nearly 4,000 undergraduates, 2,500 graduate students and 1200 doctoral students in our school. We adhere to the teaching philosophy of cultivating innovative mind and practical ability. Our courses in engineering practice, as well as in innovation of science and technology have become SJTU featured courses. We offer enriched extracurricular scientific activities and social activities for students; we establish organizations like the Youth League, the Students ' Quality Development Center to improve students' comprehensive quality, and to promote their healthy growth in all aspects.

SEIEE has established long-term cooperative relationship with many world-renowned universities including the Georgia Institute of Technology, the Carnegie Mellon University, the Washington University, the Ohio State University, the Technical University of Berlin, INSA Lyon, the Melbourne University, the Waseda University in Japan and others, to provide our students with a variety of overseas study opportunities. We are actively engaged in partnership with industries and have established joint laboratories, as well as a series of advanced academic research bases with world-famous enterprises, such as Microsoft, Tektronix, WatchGuard, Breaking points, ALTERA, the National Instruments, the Texas Instruments, the Schneider Electric, STMicroelectronics and other companies.

SEIEE has a complete scholarship system. In each year, more than 4 Million RMBs are offered to support our students, and the number of awarded students exceeding 1200 annually.

Fig. 1 SEIEE's Major International Partners for Cooperative Education

1 School Features

Faculty Team

SEIEE has 511 faculties (89.4% are Ph.Ds., and 26.2% are with overseas degrees). Among them, 167 are professors and 257 are associate professors. The SEIEE distinguished professors include 2 members of the Chinese Academy of Science (1 with foreign nationality), 2 members of the Chinese Academy of Engineering, 1 foreign academician of the Chinese Academy of Sciences, 14 experts supported by the "National 1000-elite Program" (4 with foreign nationality), 13 supported by the "National 1000-youth-elite Program, 13 "Cheung Kong Scholars Program" Distinguished Professors, 18 Winners of the National Science Foundation for Distinguished Young Scholars, 8 Chief Scientists of the National "937" Project, and 16 IEEE Fellows.

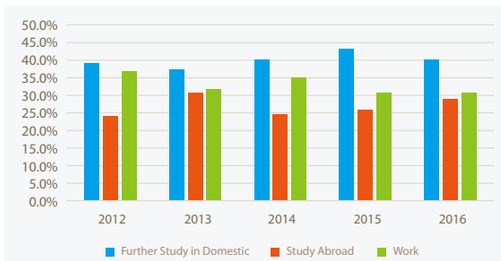
Disciplines

SEIEE has considerable expertise and international recognition in 8 national first-tier disciplines, and all of the disciplines can award master and doctorate degrees. The school also owns 2 state key research laboratories, 3 national engineering laboratories, 2 national research and development centers, 1 national talent training base on integrated circuits, 1 national model institute of microelectronics and 1 talent training base on the discipline of cyber security, as well as 6 key laboratories of the Ministry of Education, 3 Shanghai key laboratories and 2 Shanghai engineering research centers.

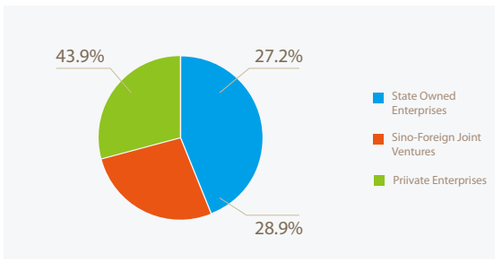
Student Cultivation

With support of quality education, SEIEE Actively explores new model of talent training. Through the introduction of advanced personnel training model and teaching system from world-renowned universities, SEIEE has implemented an undergraduate teaching platform in electronic information. Our IEEE Pilot Class in the field of electronic information gathers top students in the country. While focusing on the development of international perspectives and competitiveness of our students, SEIEE has developed multi-level cooperative relationship in scientific research and student cultivation with nearly 30 overseas universities. We value cultivation of students ' innovative consciousness and practical ability, and our students ' extracurricular activities in science and technology are prestigious at home and abroad. Our students have won quite a number of world champions and national champions in the ACM International Collegiate Programming Contest, the national robot competition, the smart car competition, the embedded design competitions and other competitions. We won 2 grand prizes and 1 group's highest honor of the Challenge Cup in 2013,and continued the success of winning grand prizes in 2015 and 2017.The proportion of students winning and participating in various projects on innovation and practice accounted for about 70% university wide. The school's employment rate is greater than 98%.

Undergraduates Statistics in last five years



Where Class of 2016 undergraduates are employed



2 Majors for International Students

International students are admitted under a big class of electronic information, and assigned to one of the 8 majors in electric power engineering and automation, computer science and technology, measurement control technology and instruments, automation, electronic science and technology, information engineering, software engineering, and microelectronics science and engineering. Descriptions of the majors are listed below.

Automation

The major belongs to one of the first group of state key first-tier disciplines. Based on information theory, system theory and cybernetics, this major aims at cultivating wide-caliber, complex and innovative talents with comprehensive application skills in engineering control, intelligent robot, biological information, pattern recognition and image processing, systems engineering, navigation guidance and so on. This major is evaluated as featured specialty by the Ministry of Education and is also the pilot major for training "outstanding engineer".

Electric Power Engineering and Automation

This major embodies the characteristics of the combination of electrical and instrument, hardware and software, cultivates talents with international vision and expertise in scientific theory and technical methods. Our graduates are engaged in the field of electrical engineering, engineering management and computer technology applications. This major is evaluated as featured specialty by the Ministry of Education and is also the pilot major for training "outstanding engineer".

Measurement Control Technology and Instruments

The major belongs to the national key cultivation discipline, and is ranked top among majors of higher education nationwide. We aim at cultivation of excellent talents with open-mindedness and innovative thinking, and with professional knowledge and skills in measurement control involved with machine, electricity, light and computer.

Information Engineering

This major is one of the earliest national majors training professionals in the field of radio communications and modern electronic information technology, and a pilot major evaluated by the Ministry of Education for training "outstanding Engineer". This major strengthens cultivation of practical ability, and focuses on training of talents with skills and capability of scientific research in the domain of information

Electronic Science and Technology

This major belongs to one of the state key disciplines. Evaluated as featured specialty by the Ministry of Education, this major strengthens the cultivation of practical ability, and focuses on the training of talents with skills and capability of scientific research in the domain of electronic science and technology.
This major belongs to one of the state key disciplines, and is one of SJTU's pilot majors that teach all major courses in English. In our faculty and teaching members, 70% are with doctorate and 30% are introduced from abroad. This major trains talents adaptable to the new era's development demands of information technology, and talents of computer science and technology with open vision, innovation and versatility, including scientists, engineers and leaders in group management.

Software Engineering

The School of Software is approved by the Ministry of Education as a professional characteristic of the construction point, an innovative experimental site for talents' training model. The major of software engineering belongs to a national key first-tier discipline, and is among the best major nationwide. We promote the educational model for elite engineer development, which has become a demonstration in the training of IT and other engineering talents. We engage in strengthening collaboration with industries, and encouraging innovation of science and technology. We are qualified for awarding doctorate degree of first-tier discipline, and are operating the post-doctoral mobile research station to provide strong support for postgraduate education. We implement the training model of elite engineer, personalized training program based on students ' different career plans, and cultivate high-level software engineers with international competitiveness.

Microelectronics Science and Engineering

Adhering to the educational philosophy of "open, integrate, practice, innovate", as one of the country's first 9 talent training bases in the field of integrated circuits, the Department of Micro-Nano Electronics focuses on the training of outstanding talents with international competitiveness in the field of microelectronics. As the national key cultivation discipline, the major has established the multi-level training system for talents and international faculty team with industrialized characteristics. With teaching laboratories, science and technology innovation center and the innovative talents' training model experimental site awarded by the Ministry of Education, we are committed to educating application-oriented professionals in industrial processing, equipment maintenance, device measurement and other fields, and cultivating talents with international and industrial competitiveness in the field of integrated circuits.

3 International Students

Gianluca Salvicchi
Italy, First Year

I remember when I just arrived I found it very hard to get used to Chinese words, food and habits. With the time I started understanding that China is more than what I only studied on books or witnessed through media back in Italy, it is actually the pulsing core of Asia, it is experiences and pure passions of hundreds of millions of Chinese with whom I learnt to interact and bind through real friendships. Call me entrepreneur, fool or brave but I will always tell you that this is my second home; this will be my second home, because in my mind right now there is only what I love to call "the Chinese dream", and, please, don't wake me up yet.

Jake Jie HOU
Canada, Second Year

To study in a university with a galaxy of talents surrounded, I feel very honorable. Although I'm not outstanding in my study, I have made satisfying achievement through studying hard. I am keen on listening to music, singing songs, playing basketball and playing badminton. During weekends or holidays, I like to have city tours with my friends to feel more custom and culture in Shanghai. Besides, I have joined the International Students Union and another student union from my school to enrich my extracurricular life and I have gained a lot of friendship and work experience from them. At last, I hope I can change a lot, gradually grow up and realize my dream.

Jonathan Lin
Australia, Senior Year

Since young I wasn't really witty with words and literary, but more of into calculations and experiments, a typical science person. Long but short, in the past four years, I have benefitted tremendously and had awesome experiences from my wonderfully rich and vibrant university life. Not only did I study diligently and engage myself in the oasis of infinite knowledge, I also actively participated in numerous extra-curricular activities. This improved my social skills and, needless to say, made a lot of friends. With the fruitful achievements from my university life, I will continue to only move forward towards the light of success, and continue to work on to be the best of me every day.

4 The further development

In 2017, according to the QS World University Rankings by Subject, the subject of Electrical &Electronic Engineering of SJTU ranks 37, and the subject of Computer Science ranks 45. SEIEE values greatly the importance of internationalization towards student education, and focuses on cultivation of talents with international vision and competitiveness. In recent years, more SEIEE students engage in overseas activities, and more international students enrolled in SEIEE's undergraduate program. In the future, with the mission of training leaders and elites and becoming the top school in the world, SEIEE will continue developing the internationalized training model, deepening academic and scientific exchanges and cooperation with world-renowned universities, and marching devotionally to provide the best higher education in the world.

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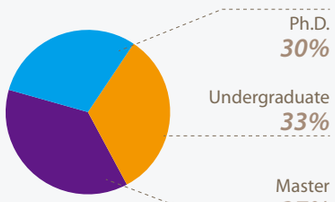
School of Materials Science and Engineering

1 About SMSE

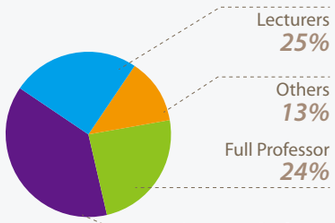
Materials Science and Engineering (MSE) of Shanghai Jiao Tong University is one of the first national key subjects with first level priority in financial support in China. There are about 300 faculty and staff members and about 1300 full-time students in the School of Materials Science and Engineering (SMSE), including about 50 foreign students who come from more than 10 countries, e.g. France, Russia, Korea, Pakistan, Iran and so on.
With an international view, SMSE offers the best learning experience to its students, the most rewarding working environment for its faculty and staff members and the most effective service to industry and the society. SMSE now is developing toward a world first class school with initiative spirit, and great achievements of faculty and students.

MSE program of SJTU ranked 27 in 2017 QS world university ranking;
MSE program of SJTU ranked 31 in 2016 QS world university ranking;
MSE program in SJTU, has been consistently remained in national top 5, in last ten years;
MSE program in SJTU ranked No. 1 by the Ministry of Education in 2003;
MSE in SJTU was authorized as the first-class National Key Discipline in 2007;
MSE in SJTU has been listed in world top 1‰ discipline of ESI for years.

Students:1538



Faculty and staff:300



2 Academics

Mission
To provide internationally recognized education in the field of materials science and engineering, cultivating students with strong problem solving abilities in science and engineering, global vision, as well as communication and teamwork skills.

Objectives
The International Program aims to cultivate students capable of:
> Solving complex science engineering problems by making use of their understanding of the relationships of microstructure, properties, performance, and processing of materials.
> Perceiving and following the rapidly changing scientific and technological trends, and driving the development of future technologies.
> Communicating effectively with colleagues or peers all over the world.
> Making substantial contribution to science, technology, and society.
The program of undergraduate education in Materials Science and Engineering includes four parts: general education courses, major courses, practical education courses and personalized courses. For major courses, it consists of three parts, namely, fundamental courses, MSE compulsory courses and MSE selective courses. The specialized courses are listed here:

The International Undergraduate Course Map is shown here:

Fundamental education courses

Introduction to Engineering
Thermodynamics of Materials
Materials Chemistry
Physics of Materials
Mechanics of Materials

MSE compulsory courses

Principles of Materials Processing
Fundamentals of Materials Science & Engineering
Structural and Chemical Characterization of Materials
Physical Properties of Materials
Structures of Materials
Mechanical Behavior of Materials

MSE elective courses

Materials Modeling and Computation
Biomedical Materials
Composite Materials
Functional Materials
Metal Processing Technologies

3 International cooperation and Exchange

SMSE has academic cooperation and exchange with many renowned universities and corporations at home and abroad. Excellent students are sent abroad regularly to pursue Master's degree, Doctor's degree within a short-term academic exchanges.

4 SMSE Vision

The School of Materials Science and Engineering has been aiming to cultivate high-level talents with a solid and complete professional knowledge structure, a strong ability of self-dependent innovation and international competitiveness in the field of materials science and engineering, in order to meet the needs of talents in scientific research, engineering application, scientific and technological innovation as well as organization and management.

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School of Mathematical Sciences

1 Professional Introduction

School of Mathematical Sciences, established in December 2015, is a continuation of the old name “Department of Mathematics”, which was established in 1928. It consists of the Department of Mathematics, the Department of Applied and Computational Mathematics, the Department of Statistics and the Research Center for Mathematics Education. SJTU Math is among top 100 in the major world university ranking like, QS World, US News, Times Higher Education, and Shanghai Ranking. In particular, SJTU ranked 29th globally in the 2016 US News rankings of mathematical sciences,

As for undergraduate education, we provide high-level courses in Mathematics to enhance mathematical foundation for students; we actively implement Mentoring System to guide students in professional studies and personal lives; we encourage students to involve in research by organizing Undergraduate Seminars and Participation in Research Program (PRP).

School of Mathematical Sciences proactively delegates its role in internationalization. It has been included in the project “Network of International Centers of Education in China” in 2014, which facilitates its development in internationalization. It is one of the network nodes of American NSF, which now has 3 nodes altogether, including Cambridge University, Université Paris VI, and SJTU. Besides, the school has already established international programs at different levels with University of Oxford, Université Paris VI, University of Konstanz, University of Wisconsin-Madison, Northwestern University, Indiana University, National University of Singapore, etc.

2 Future Development

Among our graduates, more than half of them have had further studies in top universities both home and abroad; those who go to job market are engaged in finance, bank, securities, consulting, and IT industries, etc.

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School of Physics and Astronomy

The physics department of Shanghai Jiao Tong University was initially established in 1928, and was one of the earliest physics programs in China. Starting from 2007, the University made a strategic decision to rebuild a first-class physics program and started to invest newly on several subfields of physics, such as particle and nuclear physics, laser & plasma physics. After further incorporating astronomy and astrophysics in the year of 2016, the department was renamed the School of Physics and Astronomy. The School currently has sixty-six professors and forty-three distinguished research fellows which is equivalent to tenure track assistant professors in the US system. It has six research institutes. The School sets up its mission to meet the Chinese national strategic demands in physical sciences and related interdisciplinary fields. It strives to establish a world-class research-education center of physical sciences that aims to solve scientific problems of substantial importance and to cultivate next generation of leading physicists. At present, the School has the Institute of Particle and Nuclear Physics, the Institute of Condensed Matter Physics and the Institute of Laser Plasma, covering two first-class disciplines of physics and astronomy. It has become one of the three most comprehensive physics schools in C-9 group, one of the four physics schools which boast national collaborative innovation research centers, and one of the first batch of six pilot institutes in Shanghai Jiao Tong University to build the world-class universities. It is acknowledged as one of the most competitive, fastest-growing, and comprehensive physics colleges in China.

One of the most competitive, fastest-growing, and comprehensive physics colleges in China

World-class talent training environment, platform, faculty and scholarship mechanism

Curriculum system and research-based learning mode docking with world-class universities

Multi-channel and multi-directional development opportunities such as international and Zhiyuan classes

1 Faculty

There are 66 professors and 54 associate professors in the School of Physics and Astronomy. Over 90% of the faculty members have studied for a long time in the world-class research institutes. Among the teachers, there are 2 winners of Nobel Prize in Physics (unique in the whole country) and 80 candidates of various national-level talents programs, including 6 members of the Chinese Academy of Sciences, 1 Chinese Academy of Engineering, 7 from the 1000 Talents Program, 21 from the National Outstanding Youth Science Foundation, 4 from the Changjiang Distinguished Professor Program of Ministry of Education and 9 from the Distinguished Professor, as well as recipients of the National Outstanding Young Scientists Fund and Top Talents from Young Scientists 29 programs such as the "Youth Thousand Talents Program" and the "Young Changjiang Scholar" of the Ministry of Education.
The School of Physics and Astronomy now has a national collaborative innovation center, four provincial and ministerial key laboratories, a national experimental teaching demonstration center, a university physical talent training base, three NSFC innovation groups, and three innovation teams of MOE and other major platforms or bases for major scientific issues at the forefront of basic research and applied research cutting-edge major strategic needs. A series of important scientific research achievements with international influence or international leading have been made in many fields such as physics, astronomy and astrophysics, optics and atomic and molecular physics, quantum information and quantum computation, soft matter and other interdisciplinary fields as well as applied physics, including the world's leading direct detection of dark matter, the research of the Fayetteville diplodocus, the large-scale structure of the universe, the laser plasma experiment, and the application of new functional materials such as photovoltaics and superconductors that meet the major national strategic needs. In 2016 alone, two studies have been selected for the top ten major scientific developments in China.

2 Talents Cultivation

With the aim of cultivating complex, research-oriented and international talents, the School of Physics and Astronomy has constructed a "four-in-one" personnel training system in which value guidance, knowledge inquiry, ability construction and cultivation of personality are involved, practicing the concept of innovation, elite and internationalization.
The School of Physics and Astronomy sets up an international talent training pilot class in 2012, applying a full English teaching system and bringing in the "2+2" Bachelor degree international joint training project. Currently, the international class is offering 24 English teaching courses, and 16 undergraduate students have been involved in the "2+2" project. At present, the department is working on Zhiyuan honorable physics course program which adapts to the cultivation of first-class innovative talents. This program will greatly improve the cultivation quality of undergraduates.
The school pays great attention to enrollment publicity and attracting high quality students. Through the summer camp activities, the quality of the students, the percentage of exam-free recommendation students and the rate of high quality students form summer camp are significantly improved. Among the graduates enrolled in advance for 2015, 67% master students participated in the summer camp. In 2015, 83% PhD sthdents came from undergraduate naohiro, muster-doctor continuous study and admission application, which is higher than the level in 2014 (78%) and average level of SJTU (67%).
The School of Physics and Astronomy pays attention to student cultivation and set up all kinds of scholarships to encourage students to develop comprehensively. The scholarships include gcl-power scholarship, Net ban scholarship, "Ou-Pu-Tai" scholarship, "Guang-Hui" scholarship, "Zhong-Lan-Innovation-Guang-Hui" scholarship, Class of 1984 alumni scholarship, "IFSA Collaborative Innovation Center" scholarship and "Artificial Microstructure Science and Technology Collaborative Innovation Center" scholarship.

3 Careering Planning

The School of Physics and Astronomy lays emphasis on and strives to do well in the students' career planning, providing students with multi-angle and all-round graduation instructions. During the year of 2016-2017, 106 undergraduate students and 141 graduate students obtained degrees from the department. 71% undergraduates went to celebrated universities both at home and abroad to continue their studies, and the other 29% were employed by key industries; 72% master and PhD graduates found jobs in national key industries or research institutes, and the rest 28% studied for their doctorates or continued postdoctoral research in domestic and foreign universities.

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School of Aeronautics and Astronautics

1 Overview and Characteristics

Matured Bachelor-Master-Doctor One Entrance Program;

High-quality of Sino-foreign educational programs;

Employment Rate reaches up to 100% and Further Studies Rate reaches up to 84.1%.

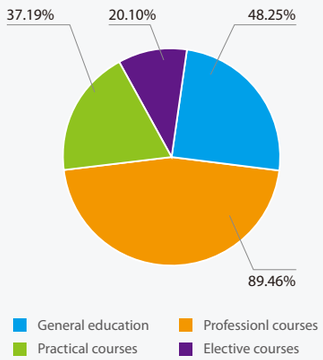
Aerospace is the crown in the industrial system; the next two decades will be the best era to develop the aerospace industry of China. Besides, it will be the best period for youth who are devoted to exploring the aerospace to realize their dreams.
SJTU, established in 1896, is the first university to set up the aeronautics major in China. A large number of distinguished alumni have made outstanding contributions to China's Aerospace Industry. Qian Xuesen, founder of China's aerospace industry, Huang Zhiqian, chief designer of China's first military aircraft, Ma Fengshan, chief designer of the country's first civil plane, and Gu Songfen, a distinguished aircraft designer, are also SJTU alumni.
The School of Aeronautics and Astronautics (SAA) is the main body of SJTU to cultivate talents for aerospace. Currently, the school has more than 60 faculty members, 15 professors/researchers, 28 associate professors/associate researchers, which includes 2 Academician of the Chinese Academy of Engineering, 3 National "1000 Plan" Scholars, 2 Cheung Kong Professor. 98% of faculty have Ph.D. and 56% of them have overseas study background.
SAA offers undergraduate program 'Aerospace Engineering' to international students. Each year the school admits students from abroad, making the school a rich and diverse learning environment.
SAA is committed to training globally competitive talents by the principle of "Openness, Cooperation and Sharing". SAA initialed two main partnerships with two well-known universities, including University of Toronto (UofT) and Moscow Aviation Institute (MAI). The focus of this collaboration is to establish joint educational programs. The students joining the SJTU-UofT Bachelor-Master- Doctor One Entrance Program are expected to receive the Bachelor of Engineering degree at SJTU, the Master of Engineering degree at UofT, as well as the Joint Doctoral degree at SJTU and UofT. Till now the first 2 groups of students have completed their study abroad and received their dual Master degree.
SJTU-MAI Dual Bachelor Degree Program taught in English will launch in 2018. Each year, SJTU and MAI recruit all together 60 undergraduates with unified syllabus in same classroom. The program is an exploration of Industrial-Academic deep-level collaboration, which aims to set up a new model of talents training in engineering.

2 Curriculum and Courses

SAA is committed to "elite education, international vision, cross-disciplinary development, and public services" and has formed its talents training system. The school aims to train a new generation of engineers with good management skills able to complete complex tasks and challenges. SAA implements the general education, sets up curriculum in five areas: aerodynamics, information control, power and propulsion, material structure, system design, which help the students build a solid theoretical foundation and gain expertise in the research, development, control, operation and management of aircraft systems.

The undergraduate program 'Aerospace Engineering' based on the training framework of the Bachelor-Master-Doctor One Entrance Program and benchmarking the curriculum of the University of Toronto in Canada. The principles of course setting are: Firstly, to build a solid basis of Mathematics, Computation and Physics through general education; Secondly, to emphasize system and design type of courses; Thirdly, to set up compulsory professional courses in 3 modules, which are Aircraft Design, Propulsion and Information Control. Each module has 2-3 compulsory courses, laying a comprehensive knowledge foundation in aerospace for students, which embodies the concept of first class discipline; Fourthly, to set up elective professional courses in the 6th and 7th semester, with the aim to help students make a smooth transition to master degree study or to industry market.

Credits of each course category



3 Future Development

> SAA provides students with an excellent academic atmosphere. After years of study, students have built great depth of professional recognition. The employment rate has been 100% for many years. 84.1% of graduates further study for a higher degree. Except for directly enter into SJTU Graduate School, many graduates continue their study in Massachusetts Institute of Technology, Cambridge University, the University of Toronto, Purdue University, the University of Sydney and other famous universities all over the world.

> SAA has established a comprehensive cooperation with many famous enterprises, such as Commercial Aircraft Corporation of China (COMAC), Aviation Industry Corperation of China (AVIC) and Honeywell Integrated Technology (China) Co., Ltd. The school carries out the multi-dimensional career planning education, and hires some human resources from industry as Career Tutors for students.

> Aerospace engineering graduates are mainly engaged in aviation, aerospace, civil aviation and other industries, such as research and management. They are playing an important role in major projects of aeronautics and astronautics.

Outstanding student:

Cheng Wei Lee, the undergraduates of 2016, has excellent academic performance.
'In SJTU, there are not only excellent teachers and courses in aerospace, but also a colorful personal development platform for us. I started the drum team in my spare time and participated in the public welfare activities and community service organized by the Volunteer Department of SJTU International Students Union. Besides, I participated in the academic forum'.

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School of Chemistry and Chemical Engineering

1 This is SCCE

World Rankings Keep Rising: ESI TOP 1‰ QS Chemistry 49, Chemical Engineering 46

High Ratio of Overseas Experience up to 40%; High Extent of Internationalization Featuring Scientific Research: 60% of Undergraduates Further Their Studies Home and Abroad

Employers Are Among the Best Enterprises and Companies Around the World

International Students From Many Countries Gather Here and Enjoy the Life Here

The School of Chemistry and Chemical Engineering (SCCE) has a glorious history dating back to 1928. After years of development, SCCE has grown into a college pioneering in many fields with cutting-edge technologies, and has done an excellent job in world rankings. In terms of Essential Science Indicators, SCCE are among the top one thousandth; in terms of QS Rankings, ranked 49 in Chemistry and 45 in Chemical Engineering. In 2017, two disciplines of SCCE, Chemistry and Chemical Engineering, were selected to be the "Double First-Class" disciplines. The main building of SCCE covers a floorage of 20,000 m2 and accommodates a variety of state-of-the-art equipment and facilities. With its vibrant faculty and diversified programs, the School has been considered as one of the long-standing educators in the field of chemistry and chemical engineering, featuring the combination of mature degree programs and abundant resources of a world-class university. Here you could see outstanding senior professors guide both undergraduate and graduate students.

2 Our Faculty

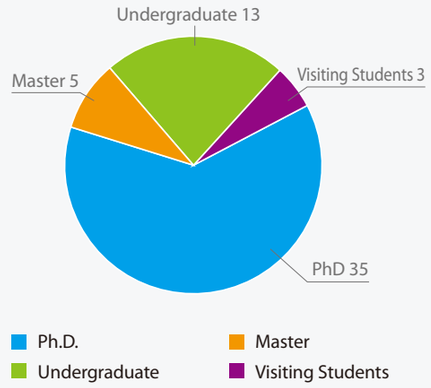
Professors	48
Associate/Assitant Professors	60
Staffs	170

3 The Majors We Provide

Chemistry (Direction: Chemistry, Polymer Chemistry)
Chemistry is a major in science with the combination of science and engineering. Students are expected to further their studies as a master or doctoral student. We aim to cultivate both excellent talents with solid foundation and innovation spirit, and leaders in the aspect of teaching or scientific research.

Chemical Engineering and Technology
Chemical Engineering and Technology is a major in engineering with the combination of science and engineering. Students are expected to obtain the ability of practise and engineering. We aim to cultivate talents that are pragmatic and innovative and that could become leaders in the aspects related to chemical engineering, energy chemical engineering etc.

4 Components of Our International Students



Who come from 12 countries
France, Italy, Ireland,
Japan, Korea, Malaysia, Pakistan, Kazakhstan,
India, Iran, Angola, Ethiopia,

5 Voices from Students

Yoshiaki Nomura - from Japan - Undergraduate

I am an overseas student from Japan, studying Chemistry at SCCE. Whenever I can't understand something in my studies, I receive help from patient teachers and classmates. I've met students from several countries as well as several Chinese classmates. The dining hall, dorms, and library are cozy, and we can use the gym and sports facilities freely. On days off I spend my time with friends playing pool and watching movies. In this environment I feel life is rich and happy.

Daniyar Bekenov – from Kazakhstan - Undergraduate

I have already been in SJTU for two months. To be honest, university life is really different from high school life. At high school years we used to do all things according to the teacher's instructions. Nevertheless at SJTU you must tend to try things by yourself, and that was why I was very confused at the beginning. Although I faced some difficulties in the process of adapting to new atmosphere here, I know this step of my life also guide me and help me go ahead for bright future.

Junwei Tan – from Malaysia - Undergraduate

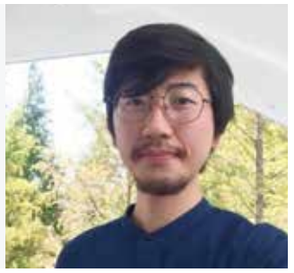
Coming to Shanghai Jiao Tong University brings me limitless opportunities. I feel honor as I have the chance for coming to Shanghai, a dynamic and modern city. I major in Applied Chemistry. Our faculty has held lots of seminars for students in order to make us know the trend of the world which is related to our major. Besides, I was dramatically improved because of the advanced equipment provided and professional lecturers. In addition, we can spend our free time meaningfully. There are lots of associations and activities for us to join in and these makes my campus life memorable and unforgettable.

Euritsy Moises – from Angola - Undergraduate

I am Euritsy and come from Angola. I am 20 years old and have been in SJTU for two months. It really touches me when studying here because SJTU is a very good university and my teachers and classmates always help me. The classrooms and the dorms are nice-looking and comfortable. Though it is a little difficult for me to understand the lessons taught in Chinese, I try to translate the notes into my mother language and learn. I know that as long as I work hard, I could succeed.

Jaesung Lee – from Korea – Master Student

I consider myself very lucky. When I decided to come to SJTU, I only knew about my supervisor's works but had not much of an idea about anything else, such as how the everyday life will be like and what the studying environment is like. Now it's been two months since I arrived here, I find that people are kind, colleagues are hard-working and motivating, and the research environment is great. Well-known researchers are frequently invited over to hold seminars. Many trees, lakes and sunlight in the campus. Satisfied with the library, dormitory and canteen as well, I'm enjoying my life here – studying is a great fun in SJTU.



School of Environmental Science and Engineering ▸

1 General Information

The discipline of Environmental Science and Engineering (ESE) at Shanghai Jiao Tong University (SJTU) originated from a municipal engineering program in 1928, and a master degree program of Environmental Chemical Engineering followed in 1984. In September 1999, SJTU proceeded to establish the School of Environmental Science and Engineering (SESE), and introduced an environmental engineering doctorate program and environmental engineering master program in 2001 and 2002 respectively. In 2003, the first level discipline doctoral program of environmental science and engineering was approved, and was later granted a postdoctoral research station for environmental science and engineering.

After years of efforts, SESE has made huge progress in infrastructure, faculty building, talents cultivations, scientific research and internationalization. Our academic research mainly focuses on water pollution treatment and control at the river basin level, regional air pollution control and treatment, solid wastes treatment and safe disposal and recovery , clean and renewable energy, soil-underground water contamination repair and restoration, environmental functional materials, resource & environmental management and climate change policies, etc.

2 Faculty & Staff

Currently the school has 58 faculty members on teaching or researching posts （including two chair professors, one Distinguished Professor of "Cheung Kong Scholar Program", one winner of China National Funds for Distinguished Young Scientists, one selected by "National Key Talent Program", seven selected by New Century Talents Cultivation Program of Ministry of Education, one winner of One hundred Outstanding Chinese Scientists of the Chinese Academy of Sciences, one winner of "1000 Talent Plan" of Shanghai, two Shanghai Oriental Scholars, one selected by Shanghai Shuguang Program, one selected by Shanghai Pujiang Program, one selected by Shanghai Rising-Star Program, one sponsored by Shanghai Sailing Program, and among them, two serving as deputy editors of international SCI journals, and seven as SCI journal editors. All the faculty members hold doctorate degree and over 77% of current faculty members have at least one-year overseas study experiences.

3 Education

Responding to national requests on cultivating environmental talents with board knowledge foundation and interdisciplinary background and combining with SJTU's advantageous disciplines, the school paid more attentions on fostering our students to think independently and improve their practical abilities. Especially, special cares have been made so that our students can enhance their international visions and global perspectives, as well as improving their awareness on social responsibilities and contributing to the society. We expect that our graduates can deal with different environmental issues at the regional, river basin, city and corporate levels with solid knowledge on treating wastewater, air, soil, solid wastes and other pollutants. We also expect that they can work in the governmental agencies, academia, non-governmental organizations (NGOs) or companies so that their potentials can be fully utilized.

Majro Compulsory Course	Experimental Education Course
Environmental Science	Inorganic and And Analytic Chemistry
Environmental Monitoring ▲	Physical Chemistry Lab
Environmental Microbiology	Organic Chemistry Lab
The Principle of Environmental Engineering	Instrument Analysis Lab
Environmental Chemistry △	Experiment of Environmental Monitoring
Environmental Mathematical Model	Environmental Microbiology Experiment
Water and Wastewater Treatment Engineering △	Environmental Science Experiments
Air Pollution Control Engineering ▲	Environmental Engineering Experiment △
Solid Waste Disposal and Resource	Physical Chemistry Lab
Soil Contamination Control and Remediation	Engineering Mechanics Lab
Environmental Impact Assessment ▲	Electrical and Electronic Technology Lab
Physical Pollution Control	
△ *Shanghai High-Level Course*	▲ *Shanghai Key Course*

4 Research

The environmental discipline at SJTU has a long history. By integrating the comprehensive advantages of SJTU's academic development, the discipline of environmental science and engineering has experienced a rapid development during the last decade and received international recognition. The discipline of environment & ecology ranked among the top 1% globally in 2011. The discipline of environmental science has ranked among the top 100 (from 51 to 100) by QS since 2012. Moreover, the Shanghai Municipal Government selected the discipline of environmental science and engineering as the first class discipline (Type B) in 2013 and peak discipline in 2017.

From basic research point of view, innovative methods on carbon accounting, specific sorbents for mercury capture, photo-catalyst for environmental remediation, multi-interfacial reactions of heavy metals in soil, bio-chars and pollutants removal mechanism have been proposed and applied. Faculties at SESE have undertaken four national key research projects, 66 normal projects and special projects for young scientists funded by National Natural Science Foundation of China and published 665 papers in the SCI-indexed journals (including 56 papers published by Environmental Science and Technology, one of the top journals in the field of environment) during the last five years. More than 10 faculties serve as the editorial board members or subject editors for different international journals (including two serving as the associate editors), leading to higher academic impact. In terms of technological innovation, many cutting-edge technologies have been incubated, including water quality maintenance technologies for highland lakes, water body pollution control and remediation, technologies on mercury abatement from industrial flue gases, integrated resource recovery techniques for waste electrical and electronic equipment, integrated ecological technology for simultaneous remediation of contaminated soil and groundwater, zero emission technologies for palm oil based wastewater, etc. These technologies have been successfully applied in Erhai lake of Yunnan province, Malaysia's palm oil firms, Tashilhunpo Monastery in Tibet, and Disney Resort in Shanghai, etc.

5 Research Area

> Water Pollution Control and Environmental Modeling in River Basin
> Air Pollution Control and Regional Air Quality Modeling
> Solid Waste Treatment and Resource Recovery
> Soil and Underground-water Reclamation
> Environmental Functional Materials
> Resource and Environmental Management and Climate Change Mitigation
> Clean and Renewable Energy

6 Cooperation

SESE has established diverse exchange programs, visiting programs, as well as overseas intern programs all over the world, including Stanford Uni. Uni. of Edinburgh, Georgia Institute of Technology, Imperial College of London, Uni. of Southampton, Uni. of Waterloo Trent Uni. and so on. About 42% of on-campus students have the opportunity of exchange. The leading program CAMPUS Asia (Collective Action of Mobility Program of University Students under the Ministry of Education) has produced batches of overseas students of double master's degree. On the research side, the SESE's global initiative efforts have led to a significant number of major collaborative research projects, ranging from international conferences and workshops, joint research grants, and multi-university research labs. These partnerships have greatly advanced the presence of our faculty in the international communities and strengthened their relationships with multinational corporations and prestigious universities of both home and abroad. Several key technologies, including the zero emission technology for treating palm oil-based wastewater and E2S2 program, have been applied outside China, such as in Malaysia and Singapore.

7 Campus Life

Responding national requests on cultivating environmental talents with board knowledge foundation and interdisciplinary background and combining with SJTU's advantageous disciplines, the school paid more attentions on fostering our students to think independently and improve their practical abilities. Especially, special cares have been taken so that our students can enhance their international visions and global perspectives, as well as improving their awareness on social responsibilities and contributing to the societies. We expect that our graduates can deal with different environmental issues at the regional, river basin, city and corporate levels with solid knowledge on treating wastewater, air, solid wastes and other pollutants. We also expect that they can work in the governmental agencies, academia, non-governmental organizations (NGOs) or companies so that their potentials can be fully utilized.

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School of Life Sciences and Biotechnology

Biology ranks A+ in national first class evaluation

Scientific and technological innovation and social practice opportunities

International High-level talent training programme

1 School Introduction

The School of Life Sciences and Biotechnology (SLSB) was jointly established by Shanghai Jiao Tong University and Shanghai branch of the Chinese Academy of Sciences in February 1997. The predecessor was the department of biological sciences and technology founded in 1985. In the fourth round of national first class evaluation in 2017, BIOLOGY was ranked A+ with Tsinghua and Peking University, and has become a characteristic subject of Shanghai Jiao Tong University.

SLSB consists of 5 departments: Biochemistry and Molecular Biology, Genetic and Developmental Sciences, Microbial Sciences, Bioinformatics and Biostatistics, Biological Engineering, as well as National Life Science Experimental Teaching Center, Bio-X Life Science Research Center and public equipment service platform. The key laboratories and research platforms of SLSB includes State Key Laboratory of Microbial Metabolism, the Ministry of Education Key Laboratory of gene development and mental neuropathy, the Ministry of Education, Metabolic and Developmental Sciences International Cooperation Laboratory, the Ministry of Agriculture National GMO Molecular Character Verification Test Center, Shanghai GMO and food Safety professional and technical service platform.

SLSB has set up several national bases, e.g. National Basic Science Talents Training Base, National Life Science and Technology Talents Training Base. At present, there are one state-level life science experiment teaching demonstration center, one national teaching team, three national excellent resource sharing courses, one national bilingual teaching demonstration course and 6 excellent university courses in Shanghai. Construction and practice of public life science curriculum system won the first prize of state-level teaching award.

The school has cooperated closely with world-renowned universities, e.g. Memorandum of Understanding with Oxford University in the scientific research and student exchange in life sciences, "3+1+1" dual-degree program with the Yale School of Public Health.

There are two CAS academicians at SLSB. Great academic progress have been made, e.g. in DNA sulfur modification, microbial antibiotic synthesis, degradation of environment pollutants, intestinal microbiota and human health, rice biology, genetics and skeletal Genetic diseases, marine microbiology, which have won the National Natural Science Award, Ministry of Education Science and Technology Progress Award, Shanghai Science and Technology Progress Award and a number of other awards.

2 Major Introduction

Student enrollment with "biotechnology" code and " Natural science testing class " cross training program, one year and a half later diversified into biotechnology, bioengineering, biotechnology (bioinformatics) three professional directions.

Biotechnology major research areas include:

Biochemistry and Molecular Biology, Cell Biology, Microbiology, Genetics, Developmental Biology, Botany

Table 1 Biotechnology Core Knowledge Architecture

Categories	Branch	Main courses
Science and engineering base		Advanced Mathematics, Linear Algebra, College Physics, Inorganic Analytical Chemistry, Organic Chemistry, Probability Statistics
Life science foundation	Basic biology	Introduction to Biology, Bioethics, Ecology and Evolution
	Modern biology	Biochemistry, Microbiology, Cell Biology, Genetics, Molecular Biology, Developmental Biology, Immunology
Biotechnology foundation	Biotechnology principles	Protein and Enzyme Engineering, Cell Engineering, Genetic Engineering
	Biotechnology research methods	Biochemical Analysis Principles and Methods, Biostatistics and Mathematical Models
Biotechnology applications	Biotechnology applications	Biological Reaction and Process Engineering Metabolic Engineering, Functional Genomics, Applied Bioinformatics
	Biotechnology Frontiers and Practices	Life Science Progress, Professional Technology Innovation Internship, Technology Internship and Innovation, Professional Internship, Graduation Design

Bioengineering major research areas include:

Fermentation Engineering, Enzyme Engineering, Genetic Engineering Pharmaceutical, Biological Environmental Engineering, Molecular Engineering, Metabolic Engineering, Synthetic Biology

Table 2 Bioengineering Core Knowledge Structure

Categories	Branch	Main courses
Science and engineering base		Advanced Mathematics, Linear Algebra, College Physics, Inorganic Analytical Chemistry, Organic Chemistry, Probability Statistics
Life science foundation	Basic biology	Introduction to Biology, Bioethics
	Modern biology	Biochemistry, Microbiology, Cell Biology, Genetics, Molecular Biology
Bioengineering foundation	Bioengineering principles	Bioengineering unit operating principle, Cell Engineering, Genetic Engineering
	Bioengineering research methods	Biochemical separation project biostatistics and mathematical models
Bioengineering applications	Bioengineering applications	Biological Reaction and Process Engineering, Metabolic Engineering, Applied Bioinformatics, Microbial Resources and Utilization, Bioenergy, Environmental Biotechnology, Biopharmaceuticals, Biological Products and Technology
	Bioengineering Frontiers and Practices	Life Science Progress, Professional Technology Innovation Internship, Technology Internship and Innovation, Professional Internship, Graduation Design

Bioinformatics major research areas include:

Bioinformatics, Biostatistics, Computing Structural Biology

Table 3 Bioinformatics Professional Core Knowledge Structure

Categories	Branch	Main courses
Science and engineering base		Advanced Mathematics, Linear Algebra, College Physics, Inorganic Analytical Chemistry, Organic Chemistry, Probability Statistics
Life science foundation	Basic biology	Introduction to Biology
	Modern biology	Biochemistry, Genetics and Evolution, Microbiology, Cell Biology, Molecular Biology
Computer science foundation		Programming Basics, Algorithms and Data Structures, Programming Languages, Database Principles, Principles of Computer Networks, Theory and Practice of Linux Operating System and Shell Development
Bioinformatics		Bioinformatics, Computational Biochemistry, Systems Biology, Biology Computing Programming Language, Principles of Bioinformatics Algorithms, Computing Structural Biology
Biostatistics		Biometric Methods, Biometric Models, Biometrics Case Studies, Biomass Data Analysis, Generalized Linear Models

3 Future Development

Biotechnology and Bioengineering employment direction: basic research on biology and cutting-edge application of technology, technology development in specific disciplines such as genomics, molecular biology, developmental biology and proteomics, environmental science, chemistry, food, pharmacy and other fields of enterprises and management.

The main employment units include the State Southern Gene Research Center, university & research institutes, Shanghai Food and Drug Administration, Shanghai Pharmaceutical Group, Johnson & Johnson, Procter & Gamble, Unilever, Coca-Cola, Wyeth Pharmaceutical, McKinsey consultants and other enterprises and institutions.

The main employment direction of Bioinformatics: biostatistics, drug design, biosynthesis route design. Students have opportunities of working in large pharmaceutical companies, gene sequencing agencies, data analysis agencies. They can also enter the securities, banking and other institutions of big data analysis and data statistics related work. Frost & Sullivan, a San Jose consulting firm, predicts a 10% annual growth rate in the bioinformatics market, and the National Science Foundation estimates that there are nearly 20,000 jobs in the field each year.

At present, most graduates work in universities and research institutes, Shanghai Mobile, 51job, KPMG Huazhen Certified Public Accountants, McKinsey consulting firm, Bank of China and other famous enterprises and institutions.

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School of Biomedical Engineering

1 Characteristic

Unique engineering and clinical application advantages

The BME program at Shanghai Jiao Tong University has ranked consistently in the top three in China and has the following unique advantage to support its rapid development into a world-class BME discipline: SJTU is very strong not only in engineering and physical sciences that have a history over 100 years, but also in clinical medicine with 12 top ranked affiliated hospitals that are ranked 1 in China.

First Class faculty

Currently there are 63 primary faculty members, of which more than 96% hold doctoral degrees and have research experiences from US and Europe, many of them elected as fellows of international scientific societies, such as AAAS, ASME, SPIE and AIMBE Fellows.

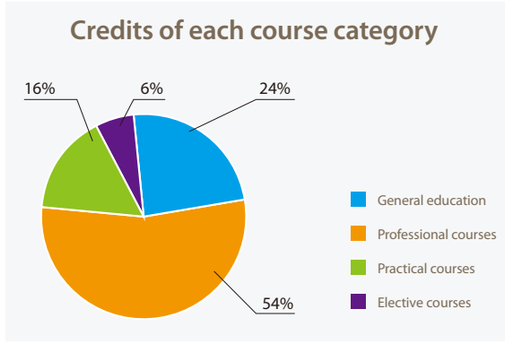
Business and Industry Partnerships

Our School has close ties to many medical device and instrumentation companies in Shanghai and surrounding areas, including United Imaging, MicroPort, Joinstar, Shanghai Testing and Inspection Institute for Medical Devices, GE, Siemens, Medtronic, Covidien, Philips and 3M. Many of our graduates are employed by these companies and increasing number of our students are accepted for internships and scholarships.

2 Introduction

Shanghai Jiao Tong University (SJTU) established the Discipline of Biomedical Engineering (BME) in 1979, which was one of the first universities in China to establish the Discipline of BME. BME is also one of the "highlights" discipline in the famous university with more than 100 years' history.

The BME Undergraduate Program at SJTU benchmarks the training system of the John Hopkins University and takes (ABET) as the standard to control the education quality. It aims to cultivate the high-end research, development and management talents in the biomedical engineering filed with solid mathematical, physical, biomedical and engineering foundation, mastering the most important and the most advanced biomedical engineering knowledge, and obtaining the independent, critical thinking ability and the strong pioneering desire. The curriculum pays attention to the intersection and integration, and the organic combination of theory and practice. Through the study of medical instrument principle, signal and linear systems, digital signal processing, algorithm and data structure, biomedical image processing and other professional core courses, students are prepared to have the ability to develop an experimental scheme, design a system, a component or a process and the ability to play a role in the multi-disciplinary working group, etc.



The students have rich opportunities to enter the exchange programs Undergraduate Education with the universities in USA, UK, Germany, France, Sweden, Hong Kong, and Taiwan to gain international experience. The international study programs include a summer research program with Johns Hopkins University, a summer research program with University of Minnesota, and a design program with Royal Institute of Technology in Sweden. There are a variety of scholarships for undergraduate students, such as Biomedical Engineering Alumni Scholarship, Micro Port Scholarship, Lu Yuejiao Scholarship, and Ivy Alumni Scholarship. During the graduate Program, there are many joint education chances with a lots of universities in the United States (Harvard University, John Hopkins University, University of Pennsylvania, Northwestern University, University of California and Drexel University etc.), and Heidelberg University in Germany, Royal Institute of Technology in Sweden, and the University of Sydney in Australia and so on. Presently, 50% of the students may have the exchange opportunity and many of them acquire scholarships.

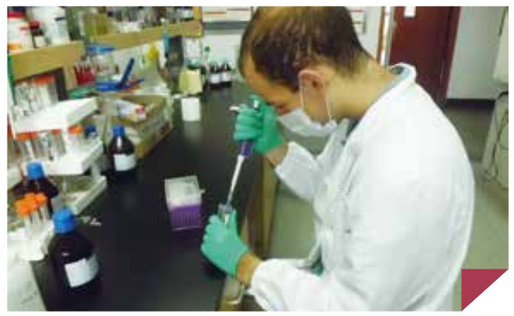
3 Future Development

Graduates from BME Undergraduate Program have a wide range of employment and strong adaptability. In recent years, more than 30% of the BME undergraduate students at SJTU have continued to pursue graduate degree at abroad (Harvard University, Stanford University, John Hopkins University, Dartmouth College, University of Oxford, University of Cambridge, Columbia University in the City of New York, Northwestern University, etc.), Over 50% of the BME undergraduate students have entered the BS-MS or BS-Ph.D. Programs at civil top universities and research institutions (Shanghai Jiao Tong University, Tsinghua University, Peking University, Zhejiang University, and Chinese Academy of Sciences, etc.). The employment rate is nearly 200%.

Career distribution after graduation for 10 years: 20% are engaged in research at top universities or research institutions (Shanghai Jiao Tong University, Peking University, Harvard University, Stanford University, University of Pennsylvania, Cornell University, Purdue University, Northwestern University, and NIH etc.), 20% are engaged in government departments and public institutions (China Food and Drug Administration, National Entry-Exit Inspection and Quarantine Bureau, State Intellectual Property Office of the P.R.C., Shanghai Medical Insurance Bureau, and Shanghai Testing & Inspection Institute for Medical Devices, etc.), 57% are engaged in enterprises, including medical equipment manufacturing companies (General Electric Company, Siemens, Philips, Johnson & Johnson, Medtronic, Mind ray, and United Imaging, etc.),pharmaceutical companies (Merck, and Pfizer, etc.), IT companies (Microsoft, Intel, IBM, Lenovo, HUAWEI, and ZTE, etc.), financial industry (Citibank, Bank of Communications, Fosun, and UBS SDIC, etc.) and companies owned by themselves, and 3% are engaged in hospital (Huashan Hospital, Ruijin Hospital, etc.).

Case of Distinguished Overseas Student:

Jordan Aaron Mandel, coming from John Hopkins University of the United States, took part in the biomedical engineering summer research program from June 2014 to July 2014 with excellent performance.



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School of Agriculture and Biology

1 Overview and Characteristics

SAB is established in 1959. It is a modern agricultural research base center in Shanghai which has 5 departments including Food Science & Engineering, Resource and Environment, Landscape Architecture, Plant Sciences and Animal Sciences. Currently, the school has more than1100 students among which 500 are graduate students. The faculty includes 147 full time teachers (143 doctors), more than 50 professors. SAB now has 5 bachelor degree subjects (Plant Science, Animal Science, Food Science and Engineering, Landscape Architecture, Resource and Environmental Science), 6 master degree subjects (Food Science and Engineering, Landscape Architecture, Horticulture, Ecology, Animal Husbandry, Agriculture Extension), and 5 doctoral degree subjects (Horticulture, Animal Science and Engineering, Food Science and Engineering, Ecology, Regional Planning and LA Design). In the recent years, the school has established close relationships with more than 30 world-renowned universities. The co-operation agreements have been signed with Cornell University, Rutgers University, Purdue University (USA), Chiba University (Japan), University of Adelaide(Australia), Aarhus University (Denmark), The Hebrew University of Jerusalem (Israel) which include student exchange programs, 2+2 dual bachelor degree programs, joint Ph.D programs, etc. So far, the school has established several national and governmental level research centers such as The New Rural Development Research Institute, Key Laboratory of Urban Agriculture, Shanghai Engineering and Technology Research Center of Food Safety, Shanghai Key Laboratory of Veterinary Biotechnology, Shanghai Urban Forest Research Station, etc. The overall international co-operations in SAB provides students and faculties with a wide internationalized platform for academic and research.

2 Majors & Excellent Courses

Bachelor Degree Programs:

- Plant Biotechnology
- Animal Science
- Resources and Environmental Science
- Landscape Architecture
- Food Science and Technology

Excellent Courses:

List of Awarded Courses	Awards	Year of Awards
Genetics and Society	Shanghai Municipal Quality Course	2016
Principles of Food Engineering National Quality	National Quality Course	2007
Principles of Food Engineering	Shanghai Municipal Quality Course	2005
Construction and Implement of Undergraduate Research-oriented Teaching System on Modern Agricultural Science	Second Prize of Shanghai Municipal Teaching Achievements	2009
Research and Practice on the Talents Training Mode of Modern Agricultural Science Innovation	First Prize of Shanghai Municipal Teaching Achievements	2005

3 Students Development

Student Career Services lies in the very center of the student affairs of the School. With the aim to assist students with their career planning, SAB adheres firmly to the work ethics of "early planning, early launching and implementing" and strives to lay solid and comprehensive foundations for student employment. Student Career Services Center was set up in 2005 so as to build a bridge between students and employers, provide students with better career opportunities and produce more innovative talents in the field of agricultural science.

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School of Medicine

1 School Introduction

Shanghai Jiao Tong University School of Medicine (SJTUSM) was formally approved under the 211 Project as a state key university for full development in November, 1997. In July, 2005, Shanghai Jiao Tong University and Shanghai Second Medical University merged to form the new Shanghai Jiao Tong University, jointly supported by Shanghai Municipal Government and the Ministry of Education. In November, 2010, SJTUSM became one of the first ten universities jointly supported by the Ministry of Health and the Ministry of Education. The rich historic background of over one hundred years and heroic journey of more than 50 years have eventually brought about a research-oriented medical school with all-round development in medical education clinical services, scientific research, as well as other social services, a medical school with outstanding features and distinct advantages, a strong faculty, and remarkable academic achievements. In the new round of evaluating disciplines in degree and graduate programs organized by the Ministry of Education in 2009, clinical medicine of SJTUSM ranked first nationally, and the comprehensive strength of various disciplines belonged to the first echelon of the nation's medical schools.

In more than 60 years since founded, SJTUSM has greatly expanded its scale, from the 2 undergraduate programs and 3 3-year vocational programs in its early days to the current 8-year program of clinical medicine (courses taught in French), 8-year program of clinical medicine and 7-year program of oral medicine, as well as 7 undergraduate programs. At the same time, by following the basic principle of putting students at the core of all our work, and constantly revising the teaching concepts and creating new teaching models, the quality of teaching has also improved greatly, producing fruitful achievements. Over the years, in the practice of medical education, SJTUSM has formed its tradition and style characterized by emphasizing the close combination of basic knowledge and clinical practice so as to achieve the goal of cultivating students with all-round development and creative ability. SJTUSM has under its administration 7 affiliated general hospitals, 5 affiliated special hospitals, and 16 teaching centers for clinical practice, with the total number of officially approved beds reaching 13,249, constituting one of the richest resources for clinical training among all medical schools in the country. SJTUSM offers an excellent environment for academic development and enjoys superiority in many disciplines and areas. Currently SJTUSM has 16 state key disciplines and promotional disciplines, 3 state key laboratories and engineering centers, 6 key laboratories and engineering centers under the Ministry of Education, 4 key laboratories under the Ministry of Public Health, 3 WHO cooperative centers, and a number of key disciplines under the "211 Project." SJTUSM has produced remark able results in scientific research and has all along been a leader in the number of research programs received, the amount of funding granted, and the number of key projects undertaken among medical schools at home. In the period of the 11th Five-Year Plan alone, SJTUSM received 17 national awards, including State Second-class Awards of Natural Science, State Second-class Awards for Science and

SJTUSM began to admit foreign students in 1967. Up to now, the school has enrolled and graduated 500 foreign students from 69 countries of Asia, Africa, North and South Americas, Europe and Oceania. The School has established relations of collegiate and institutional interchange with 63 universities from 19 countries and regions, enhance the academic competence of its staff and faculty, promote the development of disciplines. The International Students Office (Foreign Students Office) is under the leadership of the school authorities responsible for admission and administration for international students.

2 Specialties for Application

Bachelor's Degree

a. Clinical Medicine (taught in Chinese, 5 years program)

b. Stomatology (taught in Chinese, 5 years program)

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School of Pharmacy

Unique curriculum design and advanced teaching concept

One-to-one tutorial system for each undergraduate in an innovative environment

Distinguished international and interdisciplinary research and learning programs

Shanghai Jiao Tong University School of Pharmacy is one of the youngest but rapidly growing pharmacy schools in China. The school was founded in 2000, the beginning of the new century and the new millennium.

Unlike many new pharmacy schools in China which only focus on some areas of studies, SJTU School of Pharmacy has 17 research and teaching laboratories covering the complete spectrum of curriculum and disciplines of pharmacy education and research including medicinal chemistry, pharmacology, pharmaceutics, pharmaceutical microbiology and biochemistry, pharmacognosy, and traditional Chinese medicine.

School of Pharmacy is authorized by Ministry of Education (MOE) to award Bachelor, Master and Doctoral degrees in Pharmaceutical Sciences. The discipline of Pharmacy was regarded excellent in the international program in 2008, and awarded as one of top ten in discipline evaluation in 2017. In addition, Shanghai Jiao Tong university has entered into the ESI global top 0.1% in the Pharmacology and Toxicology field in recent years.

1 Distinguished International Programs

All of full-time faculty members have doctorate degrees, and more than 80 percent of them earned Ph.D. from overseas universities. We have provided some distinguished international programs with bilingual and English courses. We also established extensive collaboration and exchange with many world famous universities, such as University of North Carolina at Chapel Hill School of Pharmacy, University of Illinois (Chicago), University of Hawaii, University of Pittsburgh, Newcastle University (Australia) and Kobe College (Japan). At the same time, close cooperative relations have been built up with Agilent, Roche, GSK and other pharmaceutical companies.

2 Student-Centered Concept

The School carries out the student-centered concept based on value leadership, knowledge exploration, capacity building and personality development. We have built one-to-one tutorial system for each undergraduate in an innovative environment. Undergraduates can participate in research teams and take part in various innovative experimental projects since they are freshmen.

We also organized a series of academic activities, such as the International Summer Academy of Pharmacy, and the "Pamir Lectureship" to invite academic masters and business leaders who have made remarkable contributions to human healthcare.

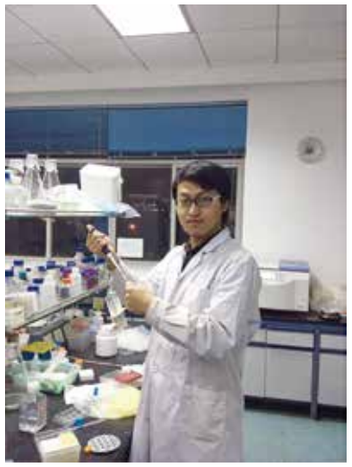
Since 2013, we have been offering this unique opportunity for students to learn Traditional Chinese Medicine (TCM) and Chinese Culture at the International Summer Academy of Pharmacy (ISAP).

3 Student Activities

Various platforms for communication and personal show have been set up for our students. A variety of social practice has been provided including "Science shop volunteer team", "Emerald ribbon- knowledge propagandize for liver diseases", etc. Many of them have won highly praise from the Central Propaganda Department, the Central Civilization Office, Ministry of Education, Communist Youth League Central Committee and other units.

4 Employment

Each graduate can take up an occupation. 50 percent pursue further study internally or abroad, while others are obtaining employment at many world famous institutions, such as Novartis Pharmaceutical co., LTD. (Shanghai), Glaxosmithkline (China), Johnson & Johnson Pharmaceutical co., LTD. (China), Food and Drug Administration, Comprehensive Hospitals, etc.



School of Humanities ▸

1 School Introduction

The School of Humanities is composed of Department of Chinese Language and Literature, Department of History, Department of Philosophy, Center for International Chinese Education, Center for Art Education, and National Cultural Quality Education Base for Students is affiliated to the School of Humanities; Institute for Advanced Study in European Culture, Shanghai Jiao Tong University – K. U. Leuven "European Culture Research Center" and the Center for the Tokyo Trial Studies as the university-level academic platforms, and the Research Center for World Anti-Fascist War as the ministerial and provincial academic platform, are affiliated to the School of Humanities for their management. The academic disciplines designed for the School of Humanities include five first-level disciplines covering Chinese Language and Literature, Chinese history, world history, philosophy, and art.

Disciplines distinctively featured. The Department of Chinese Language and Literature has been following the guideline of high-quality education to train elites. The teaching method for undergraduate students features small classes and tutorial system with Sino-foreign culture exchange; students are also encouraged to study abroad; each year, a high percentage of graduates further their studies at renowned universities and institutions both at home and abroad. The Center for International Chinese Education specializes in Chinese Language teaching and researches. Each year, an average of 500 degree-seeking students and 2500 non-degree-seeking students from more than 100 countries and regions study at the Center for International Chinese Education.

Outstanding student papers supervised. The priority task of the School is to cultivate excellent talents that are urgently needed by the country; the School of Humanities has been awarded various prizes for teaching, teaching materials, and students' distinguished dissertations. Six undergraduates have won the university-level outstanding awards for graduation thesis in six consecutive years.

International strategy guided. For School of Humanities, the internationalization strategy is the inevitable way of achieving its leapfrog development and is leading the successful construction of disciplines, faculty team, talent cultivation, as well as culture. In recent years, the School of Humanities has successively signed cooperation agreements or memorandums of cooperation with many different educational organizations of humanities from different countries and regions including University of Cambridge, King's College London, University of Chester, Bucknell University, University of Leuven, Free University of Brussels, Monash University, National University of Singapore, Hong Kong University of Science and Technology, the Chinese University of Hong Kong, Pusan National University, and University of Suwon.

2 Major Introduction

Chinese Language and Literature (Sino-foreign cultural exchange)

The courses differ from traditional Chinese Language and Literature in concentrating on the communication of Chinese culture with other countries. The courses cover the rich diversity and dynamism of classical and modern Chinese language and literature, Western literature, comparative literature, Sino-foreign cultural exchange etc. Duration is 4 years. Graduates are suitable for government, institute, universities, and mass media companies.

Chinese Language

The Chinese language major is a four-year full-time undergraduate major custom-made for international students. We aim to train our Chinese majors with a diverse, practically-oriented skill sets. Ideally, graduates will have a solid understanding of the fundamental background knowledge and theories of the Chinese language and will possess strong language skills and the ability to communicate in a cross-cultural context. Simultaneously, they are expected to be familiar with China's socio-cultural distinctness and to be responsive to the needs of a quickly modernizing and globalizing world. There are four specializations in the Chinese language major: Language and Culture, Business Chinese, Financial Chinese and International Chinese-English Bilingual Education. Students spend the first two years taking language skill courses ranging from listening, speaking to reading and writing, before selecting one of the aforementioned specializations in accordance with their wishes and job prospects.

1. Chinese Language and Culture
This specialization provides training in the fundamental background and skills related to the Chinese language. It focuses on linguistically and culturally-intensive courses including Modern Chinese, Classical Chinese, Ancient Chinese Literature, Modern and Contemporary Chinese Literature, as well as Introduction to Chinese Culture. The goal is to prepare students with multi-faceted practical skills applicable to the fields of business and trade, journalism and publishing, as well as education and public institutions. Upon graduation, students are expected to become competitive for a career of secretaries, interpreters/translators, publicity workers, editors, journalists and staff of management, etc.

2. Business Chinese
This specialization provides training in the fundamental background and skills related to the Chinese language. It focuses on business-related courses including Business Chinese, Commerce and Trade Writing, Case Studies in International Trade, Marketing and Principles of Economics. The goal is to prepare students with fluent Chinese communicative skills in a global business context. Upon graduation, students are expected to become competitive for the field of International Commerce, International Trade and Business Management, etc.

3. Finance Chinese
This specialization provides training in the fundamental background and skills related to the Chinese language. It focuses on finance-related courses including Finance Chinese, Commerce and Trade Writing, Case Studies in International Trade, International Finance Theory, Money and Banking, as well as Principles of Economics. The goal is to prepare students with fluent Chinese communicative skills in a global business context. Upon graduation, students are expected to become competitive for the field of International Finance, Insurance and Securities, etc.

4. International Chinese-English Bilingual Education
This specialization follows a 3+1 program. Students take Chinese and English language courses at SJTU in the first year, and spend the second year in an all-English program of renowned American or Australian universities, before resuming courses at SJTU in the third and the fourth year. The goal is to prepare students with bilingual (Chinese and English) communicative skills in a global business and cultural context. Upon graduation, students are expected to become competitive in trans-national corporations and institutions dealing with foreign transactions, for a career of secretaries, interpreters/translators, as well as publicity and management jobs.

School of Humanities has a proud history of welcoming students from all over the world. It is an exceptionally cosmopolitan and diverse place to study, welcoming the brightest minds from more than 100 different countries. Each year, about 30% of the students join the overseas exchange program.

The degree in Languages and Cultures of China from SJTU provides essential skills such as competency in language skills and intercultural awareness and understanding. These include written and oral communication skills; attention to detail; analytical and problem solving skills; and the ability to research, amass and order information from a variety of sources. Graduates leave SJTU with linguistic and cultural expertise, along with a portfolio of widely transferable skills which employers seek in many professional and management careers in both business and public sectors. Our graduates have gone on to employment in a range of professional roles in both business and public sectors, such as national governments in many parts of the world, international organizations and development agencies, educational and cultural establishments, non-governmental organizations, and academia, publishing and media organizations.

Antai College of Economics and Management

1 School Introduction

About Antai College of Economics and Management
Antai College of Economics and Management (ACEM), Shanghai Jiao Tong University boasts a rich history and proud tradition which dates back to the Business School of Nan Yang Public School founded in 1903. ACEM is dedicated to the education of economic and management talents with international competencies. It promotes scientific and academic innovation, caters to economic and social development, and supports the growth of business. After years of unremitting efforts, ACEM has established itself as a modern business school with a good reputation at home and abroad.
ACEM is the first business school in mainland China to have been triply accredited by AACSB, EQUIS and AMBA, the three largest and most influential business school accreditation associations in the world.
In recent years, ACEM has achieved outstanding results in the rankings by Financial Times. Four programs ranked the top 50 worldwide.
Master of Management program ranked 32nd by Financial Times in 2017, among the world's top 50 for 9 years in a row. It ranked 1st among universities in mainland China.
ACEM's MBA program ranked 34th in the world by Financial Times in 2017, rising for 4 consecutive years. It ranked at the top of business schools in China.
The EMBA programme ranked 6th in the world by , and three were recruited by the national '1,000 Talent Plan'.
ACEM is also long praised for its remarkable research expertise. It has two municipal level research centres and two journals accepted by the ESCI database, it was among top 10 in mainland China in UTD Top 100 Business School Research Rankings. Its celebrated community of experts continuously works at the forefront of local, domestic and global business research fields, expanding horizons, influencing business practice and offering valuable insights to students.
The college has established partnerships with more than 100 top business schools spanning six continents, cooperating in dual degree programs, joint programs, global summer school program, global corporate lab program, as well as student exchanges, overseas study tours and faculty training.
The biennial International Business School Shanghai Conference hosted by the college has become the largest summit for business school leaders in the Asia-Pacific, attended by over 220 business school deans from 45 countries in 2016.
Up to now ACEM has 3 first-level disciplines authorized to offer doctorate degree covering 3 fields: Applied Economics, Business Administration and Management Science and Engineering; Among which, Management Science and Engineering is listed as both the National Key Discipline and Shanghai Municipal Peak Discipline, Business Administrations listed as Shanghai Municipal Key Discipline.
By November 2017, ACEM has over 1,200 undergraduate students（including 160 overseas students）, 550 master students from Master of Science Programs, 260 PhD candidates and about 2,000 master students from Professional Master Programs including MBA, EMBA, MPAcc and MAud. About 300 overseas students are doing master degree.

2 Major Introduction

Admission
The students of 2018-19 intake will be admitted in the Honors Class of economics and management. The areas of specialization include economics, international trade, finance, accounting, business administration (marketing specialization), human resource management and information management and systems.

Features
• Helping students with building a solid foundation for knowledge of economics and management
• Internationalization
> The curriculum is comparable to that adopted in top universities and features a unique English teaching environment. The proportion of courses taught in English accounts for more than 80%.
> Our college cooperates with hundreds of well-known colleges around the world on various international communication programs such as semester exchange program, summer school, oversea assignment and double degree program. The proportion of students with international exchange experience accounts for 65% and the proportion of exchange students from other schools is the highest among the entire university.

Development
As a business school based in China, ACEM devotes to both the research on economics and management and the cultivation of talents with international sights and leadership so as to promote social development.

3 Placement

Among the students graduated from our college, around 60% choose to pursue a higher degree (30% home, 30% abroad) and 40% choose to enter the job market.
Graduates who choose to study further abroad mostly go to well-known universities such as University of Oxford, MIT, UC Berkley, Columbia University, John Hopkins, University of Michigan Ann Arbor, Cornell University, Northwest University, CMU, Wharton at the university of Pennsylvania, University of Melbourne, New York University and University of Manchester.
Graduates who choose to further study in domestic universities mostly go to top domestic universities such as Tsinghua University, Peking University, Shanghai Jiao tong University, Zhejiang University and Fudan University.
Also, graduates are competitive in the labor market, enjoying a high degree of employment satisfaction and top compensation level in the University. They were employed in world-renowned companies, large financial institutions, government sectors and other sectors of the society. Among these industries, banks, accounting firms, management consulting companies and securities trusts attracted about 80% of our graduates.

SUSANA YE, Brazil, Senior Student in ACEM

During the three years at Antai, I not only learned the expertise in economics and management, but also had a wide range of platforms which broadened my horizons and boosted all aspects of my capabilities. The life of an international student makes me understand the cultures of different countries and helps me know the world.

KoGuan School of Law ▸

KoGuan School of Law, guided by the school's motto of "Rectus Consensus Spectat Veritatem, Justaeleges Colunt Virutes", is committed to the educational mission of cultivating excellent legal professionals and maintaining the elite education mode. The school has formed an obvious characteristic of internationalization and cultivated a great number of outstanding legal professionals.

The legal education of Shanghai Jiao Tong University can be traced back to the special political class established in the period of the Nanyang Public School at the beginning of the 20th century. The class has cultivated a group of professionals in both legal and political areas, such as Xu Mo, the first Chinese judge in the UN International Court of Justice, Huang Yanpei and Shao Lizi, prestigious educationists and politicians.

Re-offering undergraduate degrees in laws in 1992 and re-instituting the department of law in 1996 and then the school of law in 2002, KoGuan School of Law was awarded with the donation of 30 million US Dollars from the Leo KoGuan Foundation in 2007 and set the aim to build the world-class law school. After such a rapid development over a decade, KoGuan School of Law has formed a complicated and multilayered system of legal professional cultivation, which includes Bachelor of Laws (LL.B.), Master of Laws (LL.M.), Juris Master (J.M.) and Doctor of Laws (LL.D.). As the cultivation of talents, construction of subjects and international impression go hand in hand, KoGuan School of Law has been ranked top 100 in QS World Law School Ranking since 2012 for six consecutive years.

1 The characteristic of KoGuan School of Law

The school cultivates legal professionals with distinctive features and achieves outstanding effect in carrying out the elite education mode. In 2010, the college launched an educational training program aimed for "cultivating extraordinary legal professionals", carrying out revolutions in the mode and content of legal education. Our consummate system of classified cultivation according to different types of students has been applauded by the national administrative departments such as the Ministry of Education and from counterpart schools. Since 2010, the school has been selected successively as National First-rank Characteristic Discipline Development Center, National Comprehensive Reform of Professional Graduated Degrees, National Practical Education Center off Campus, Extraordinary Legal Professionals Cultivation Center by the Ministry of Education (MOE), and the Ministry of Finance (MOF).
The school closely combines teaching of knowledge with cultivation of techniques and accumulation of experience. At the same time of teaching basic knowledge, the school hires top legal experts to open practical courses such as Negotiation, Moot Court, Legal Clinic, Corporate Legal Affairs and so on to enhance students' capability in applying knowledge. The school actively supports students in participating legal competition at home and aboard. The student teams have achieved great scores, and even championed in the "Lu Li" moot court debate competition, Jess-up international debate competition, Japanese university negotiation competition, International humanitarian law competition, and Asia-pacific corporate M&A simulation competetion. The school also plays active role in expanding the oversea internship centers, sending students to practice in top institutions such as World Bank. Many graduates have served in famous institutions at home and aboard. The students' passing rate of National Judical Examination stays at the top in China, and reaches 100% passing rate in 2017 for Special Elite Program students. The employment rate maintains 100% over the years.
According to a survey of satisfaction degree towards graduates conducted by Shanghai Municipal Education Committee in 2012, the law major of Shanghai Jiao Tong University topped the chart among all universities and colleges in Shanghai.
In order to take full advantage of internationalization, the school has built strategic partnership with many world famous law schools and witnessed the rapid growth in the number of participating exchange students inbound and outbound. Many English programs in Chinese law, such as LL.M., S.J.D., summer program, and training courses for corporate legal affairs, have been put forward successfully towards overseas students who have interests in the legal system of China.

2 Introduction to the Bachelor of Law Program

The study time length for our bachelor of law (code number: 0301) is 4 years.
The program has identified the professional cultivating principle as "high starting point, internationalism, profound foundation and emphasis on practice", and has cultivated elites who re "metropolitan, application-oriented and international." The students are cultivated into multilayered embrace sound character, social responsibility, international horizon, solid basic knowledge of legal profession, outstanding spirit of innovation, strong practical strength and excellent comprehensive quality. They are qualified for various legal positions, e.g. in legislative bodies, justice, governments, arbitration tribunals, legal consuls in large-scale corporations, and other organizations specialized in diplomacy, overseas affairs, overseas economic relations and overseas trade.
This program offers a list of core legal courses including Jurisprudence, legal history, Chinese Constitutional Law, Chinese Administrative Law, Chinese Administrative Procedure Law, Criminal Law, Civil Law, Contract Law, Tort Law, Criminal Procedural Law, Commercial Law, Intellectual Property Law, Public International Law, Private International Law, International Economic Law, Environmental Law , Human Rights and Labor Issues. The frontier courses include Property Law, Insurance Law, Securities Law, and Law of Commercial Bills. There are also professional deepening courses, such as Legislative Law, Company Law, Competition Law, Financial and Tax Law, Maritime Law, Marriage and Family Law, Bankruptcy Law, International Financial Law, Evidence Law, and Legal Writing. In addition, the program especially emphasizes on clinic law courses, including but not limited to Negotiation, English Moot Court, Legal Clinic, corporate legal affairs and professional internship.
Currently, the program has created dozens of excellent courses appraised as the National excellent video courses, National bilingual model courses, Shanghai education committee branded courses taught in English for international students, Shanghai excellent courses, Shanghai model courses taught in English, Paragon English-based courses for international students and Shanghai education committee key courses.

3 Prospective

KoGuan School of Law, Shanghai Jiao Tong University keeps a foothold of unusual development by leaps and bounds, and is commonly recognized as one of the law schools with fastest development in China. As the school is equipped with excellent teaching faculty, the percentage of teachers who own doctorates and further studied aboard comes out on top among domestic universities and colleges. As internationalization is one of the characteristics of the school, the percentage of overseas students also comes out in front. The school accepts excellent candidates, carries out the elite education, and implements the undergraduate tutorial system. The undergraduate will have a one-for-one tutor after entering school and will receive professional guidance and education in terms of learning, scientific research and vocational development. The purpose of such a tutorship is to enhance the learning capability, professional quality, and the overall development of overseas students.

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School of International and Public Affair

1 Campus Information

School of International and Public Affairs of Shanghai Jiao tong University was established in June 2003, and it is a milestone for Shanghai Jiao tong University in personnel training of political management and scientific research. School of International and Public Affairs laid the foundation of a sophisticated teaching concept, which aimed at China's future politicians, diplomats, and top civil servants and served as a platform for think tanks and research.

Experienced teachers, overseas doctoral recipients nearly 50%
There are currently 44 teachers, including 1 chair professor, 3 distinguished chair professors, 1 visiting professor, 1 academic leader, 1 Cheung Kong Scholar Professor, 1 million state-level candidates, 3 New Century's talents of Ministry of Education, 1 of Shanghai thousand-er plan, 2 scholars of Shanghai Shuguang, 11 scholars of Shanghai Pujiang, 3 scholars of Shanghai Chenguang Scholars, and Shanghai Jiao Tong University SMC plan Class A 2 people, B class 7 people, C class 8 people.

The college has two first-class disciplines, and the administrative faculty ranks among the top four in the country.
College covers both political science and public administration as first level subjects. Teaching and research involve international relations, global politics, government management, urban development, public policy, social welfare etc. There is one first-level doctoral program in public administration, one public administration postdoctoral research station, six second-level master's programs (political theory, Chinese-foreign political system, international relations, international politics, administration and social security), one Bachelor's degree in Administration and one Master's program in English. School of International and Public Affairs has 20 research centers, including 6 ministries and municipalities to build a research base.

High-quality international cooperation in running schools, the proportion of overseas study increases to 35%
School of International and Public Affairs has formed a complete international exchange running school system. The international cooperation is with King's College London, the University of Bremen in Germany, Paris Institute of Politics, Switzerland, University of St. Gallen, National University of Singapore and other 14 well-known overseas universities. The international student exchange has helped to strengthen the foreign student exchange and the proportion of overseas students has tremendously increased.

2 Faculty Introduction

Faculty Info
School of International and Public Affairs relies on the advantages of science and engineering from Shanghai Jiao Tong University, adding a large number of methodological module courses based on the political science, economics, management and sociology module for undergraduates, such as qualitative and quantitative research methods and statistics principles of learning, programming language design and data analysis courses.

Training Program
School of International and Public Affairs has political, public management, public administration, economic and research methodology courses. Further, it is divided into professional education, general education professional practice, and individualized education courses.

Main courses
The main courses are political principles, principles of sociology (A), management principles (B), public administration, microeconomics (C), quantitative research methods and programming language design.

Cultivate characteristics
School of International and Public Affairs adopts the four-in-one talent training mode of value, literacy, abilities, and knowledge. The school adopts the diversified teaching methods such as case teaching, on-the-spot investigation, research projects etc. The main aim of the school is to stimulate students' initiative and innovation ability.

International characteristics
SIPA has agreements with Faculty and Ash Research Center, Harvard University, Kennedy School of Government, University of Southern California Price Institute of Public Policy, University of Michigan, China Research Center, University of Pennsylvania School of Social Policy and Practice, Columbia University School of International and Public Affairs, Paris, France Political Science and other 29 foreign universities and research centers for research cooperation. The National University of Singapore and SIPA have an international exchange program, which allows a large number of students to study overseas.

3 Future Development

Brilliant achievements
In 2015, SIPA won first prize in the "Elder Working-class" research by the State Council, won the first prize in the national college students' extra-curricular activities and technology work competitions. For the first time, SIPA helped Shanghai Jiao Tong University to become the winner of Challenge Cup competition event by obtaining the highest honor in all the colleges and universities, from all over the country.

Employment and further education
There is 100% undergraduate employment rate for the students who have graduated from SIPA. About 33.3% of students went to national top colleges and universities to further their studies. Another, 33.3% of the students went abroad to pursue their study in worldwide recognized universities.

School of Media and Design ▸

School of Media and Design(SMD), Shanghai Jiao Tong University, was founded in September 2002. The objective of the school emphasizes on solid theoretical foundation, high competitiveness in professional skills and distinctive disciplinary features.

SMD features its teaching as following: interaction of arts and science, interdependence of theory and practice, interconnection of technology, academic research and arts, internationalization, digitization and integration of Industry-University-Research. It orients itself toward setting up cluster of disciplines where journalism and communication, arts and management interact and complement each other. SMD aims at training and developing a new generation of "multi-talented graduates" who are equipped with not only modern communication theory and technique, but also design creativity.

SMD consists of four departments, including Journalism and Communication, Film and Television, Design and Cultural Management. It offers a series of undergraduate, master, and doctoral programs in these fields. Currently, SMD has more than 600 undergraduates, over 300 master students, about 50 doctoral, and 200 oversea students in various programs.

About 90 faculty members work in SMD, among them there are 27 professors, 15 supervised of doctoral candidates and 38 associate professors. More than half of the faculties hold Ph.D. degrees from first-rate university in China, U.S., U.K., and etc. One faculty member was awarded by Education Ministry of China "Cross-Centurial Talent", and four awarded "New century Talents". Several faculty members sit on the editorial board of internationally renowned academic journals. In addition, SMD has retained a group of academic elites and business leaders as visiting and part-time professors.

In the past five years, the faculty of SMD has published more than 300 academic books and over 500 papers. They have also carried on more than 100 research projects, ranging from ministerial and national to international ones, totally up to 20 million CNY.

Our journalism and communication major ranked No. 10 in the first-level discipline assessed by the Ministry of Education in 2012. In addition, our communication major is in top 100 of the QS World University Rankings by Subject 2012.

SMD cooperates with SJTU's School of Electronics, Information, and Electrical Engineering, Antai School of Economics and Management, and Institute of Arts and Humanities. It also has close cooperative relationships with such famous companies as Baidu and SMG. In addition, SMD has close research collaboration with a number of prestigious schools around the world.

School of Foreign Languages

1 Features

History

English language education was one of the first programs offered when the university was founded as Nan Yang School back to 1896, with a translation center added two years later. The Department of Foreign Languages and Literature was founded in 1928, which was renamed as English Department in 1943. In 1979, the Department began to offer an English BA program for Science and Technology. An MA program and a Ph. D program in Applied Linguistics were launched in 1986 and 1993 respectively. With an expanding role it plays in the development of the University, the Department was renamed as School of Foreign Languages in 1997. The School began to offer a BA program in Japanese in 1999 and an MA program in Japanese Language and Literature in 2003. An MA program in English Language and Literature was launched in 2000. A BA program and an MA program in German were both available in 2006. As a member of the first pilot project, the School was entitled to grant the master's degree in translation & interpretation in 2007.

Features

1. Since 2014, the discipline of Linguistics and of English Language and Literature have been ranking among the top 100 in the QS World University Ranking.

2. Foreign Languages and Literature entered the top 10 in the third round of disciplinary assessment of the Ministry of Education in 2012, ranking the sixth in 2017 China Ranking of Academic Subjects (CRAS) released by Shanghai Ranking.

3. The English BA program ranked 10th while both Japanese and German BA programs ranked the top in 2017 Ranking of Academic Subjects of Chinese Universities released by Wu Shulian and his research team.

4. The National College English Tests (CET-4 & CET-6) were first launched by the School of Foreign Languages, where the Committee of CET is now located.

5. The School of Foreign Languages is, on the list of the first group of China's universities, approved to grant master's and doctoral programs in Linguistics and Applied Linguistics.

6. The School is one of the schools of China's universities first entitled to grant master's degree of Translation and Interpretation.

7. It is also the first one to build JDEST corpus for science & technology and for interpretation.

8. The School is devoted to cultivating talents in newly emerging language disciplines to acquire interdisciplinary knowledge of arts and science (e.g. language intelligence & pathology), finance and business and those well equipped with translation skills.

9. The joint programs of double degrees or student exchange programs have been vigorously developed in collaboration with famous universities of countries such as the U.K, the United States, Australia, Canada, Germany, Japan, etc. About 85% of the students have opportunities for overseas study and research.

10. The graduate employment rate have been 100% for 12 consecutive years, and 52% of the graduates continued to study MA program.

2 Undergraduate Programs

English BA Program

The English BA program, which embraces Finance & Business, Linguistics and Translation, ranked 10th in 2017 Ranking of Academic Subjects of Chinese Universities released by Wu Shulian and his research team.
The Finance & Business BA program aims to help students possess an excellent mastery of English and a full command of knowledge of international business and finance. With interdisciplinary knowledge, our graduates have been warmly accepted by various employers, such as the world-renowned accounting firms, domestic and foreign banks, government branches and foreign companies, or admitted into the prestigious universities home and abroad for further study.
The Linguistics BA program focuses on the areas of linguistic intelligence and language pathology, which mainly cultivates elite students to achieve a high degree of English level and a systematic mastery of the basic knowledge and theories of linguistics, and fully equipped to carry out linguistic studies independently and engage in practical linguistics-related work. Many of the graduates of this program would prefer go to world-class universities for further study, or go to linguistics intelligence-related enterprises or language pathology-related hospitals.
The Translation BA program features the translation of foreign publicity, preparing students to become high-end translators and interpreters with high proficiency of both English and Chinese and well familiar with Chinese and foreign cultures as well. Graduates can work as an intern in the fields of translation practice and management in foreign funded companies and government agencies, etc.
The Program has implemented the joint program of double degrees in cooperation with the University of Manchester, UK and the University of Melbourne, Australia, and has signed agreements of the exchange programs with a number of world-renowned universities.

Core Courses

Finance & Business	Linguistics	Translation &Interpretation
English listening and Speaking (1-4)	English listening and Speaking (1-4)	English listening and Speaking (1-4)
English Reading and Writing (1-4)	English Reading and Writing (1-4)	English Reading and Writing (1-4)
Second Foreign Language	Second Foreign Language	Second Foreign Language
Business English	Courses in Linguistics	Courses in Translation & Interpretation
English for Financial Management	Linguistics Intelligence& language Pathology	Translation of foreign publicity
Business English for Practice	Language Research Project	Courses in Practical Translation
Undergraduate Project	Undergraduate Project	Undergraduate Project

3 Future Development

In the future, the School of Foreign Languages will make every effort to cultivate foreign language talents with strong global competitiveness. Firstly, to speed up the cultivation of talents with interdisciplinary knowledge of both arts and science in newly emerging language disciplines; secondly, to accelerate the training of students' translation skills; thirdly, to build a core curricula platform which can be shared by all the three language majors; fourthly, vigorously promote the construction of the practical courses and internship partners.

Japanese BA Program

The Japanese BA program ranked the first in 2017 Ranking of Academic Subjects of Chinese Universities released by Wu Shulian and his research team. The program strives to develop students into highly competent and versatile talents with solid knowledge of both arts and science. All students have the opportunity to go to Japan's famous universities on exchange programs. Graduates are mostly employed by the well-known accounting corporations, banks and enterprises. Some graduates go to foreign prestigious universities for further studies.

Core Courses

Required core Courses	Elective core Courses	Required Specialized Courses
Japanese Intensive Reading (1-7) Japanese Speaking (1-4) Mathematics for Arts (1-2) English listening and speaking English listening and speaking(1-2) English Reading and Writing(1-2)	Japanese Extensive Reading(1-5) Japanese Writing (1-4) Japanese History and Culture Japanese listening and speaking Japanese Grammar	Chinese-Japanese Translation Japanese Interpretation
Elective Specialized Courses	**Practice Courses**	
Appreciation of Japanese Contemporary literature Selected Readings in Japanese Newspapers and Journals Selected readings in Western classical works	Japanese Presentation Professional Practice Undergraduate Project(thesis)	

German BA Program

The German BA program ranks the top in the past six years consecutively in Ranking of Academic Subjects of Chinese Universities released by Wu Shulian and his research team. The program is committed to cultivating interdisciplinary talents with high German and English proficiency, and professional knowledge of economy and trade, and science and technology. Students can go to German universities such as Munich University and Bonn University for exchange and study, or choose to participate in the joint program of double degrees by the School of Foreign Languages and the two universities. Graduates are warmly welcome in the wide range of professional fields including foreign affairs and foreign trade, culture, education, journalism and publication, scientific research, foreign enterprises, etc. Some students may choose to continue their study in famous universities abroad.

Core Courses

Fundamental German	German Literature	German Linguistics
Fundamental German (1-4) Audio-Visual German (1-3) German Speaking (1-3) German Writing(1-2) Extensive German Reading	Introduction to German Literature Modern German Literature Appreciation and Criticism of German Literature	Introduction to the German Linguistics German Lexicology
History, Economics and Culture	**English**	**Practice**
The History of Germany German Economics Management of German Enterprises Intercultural Communication National Condition of German Speaking Lands	English Listening and Speaking (1-2) English Reading and Writing (1-2) Selective Readings in Western Philosophy	The German Speaking Contest Professional Practice Undergraduate Project (Thesis)