上海交通大学
SHANGHAI JIAO TONG UNIVERSITY

School of Naval Architecture, Ocean and Civil Engineering (NAOCE)

A Brief Introduction:

The School of Naval Architecture, Ocean and Civil Engineering (NAOCE) was founded on December 17, 2003, by the merge of School of Naval Architecture and Ocean Engineering (NAOE) and School of Civil Engineering and Mechanics (CE&M).

There are four departments in the school of NAOCE:

> Naval Architecture and Ocean Engineering
> Engineering Mechanics
> Civil Engineering
> Transportation Engineering

NAOCE is accredited to provide the following degree programs :

Program Names	Master	Ph.D.
Naval Architecture and Ocean Engineering	√	√
Engineering Mechanics	√	√
Civil Engineering	√	√
Transportation Engineering	√	

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

2017 QS World University Rankings by Subject
Civil Engineering 32

Research Areas

Naval Architecture and Ocean Engineering	Design and Construction of Naval Architecture and Ocean Structures
	Marine Engine Engineering
	Port and Water Conservancy Engineering
	Acoustics Engineering
Mechanics	General and Fundamental Mechanic
	Solid Mechanics
	Hydrodynamics
	Engineering Mechanics
Civil Engineering	Geotechnical Engineering
	Structural Engineering
	Disaster-Prevention, Reduction Engineering and Protection Engineering
	Bridge and Tunnel Engineering
	Municipal Engineering
Transportation Engineering	Transportation Planning and Management
	Traffic Information Engineering and Control

Achievements

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Over the years, the school of NAOCE has been undertaking many important research programs of the country, such as"973 Project","863 project", national natural science foundation programs, and so on. Besides, the school also carries on a lot of cooperative projects with famous enterprises around the world.
Since the year 1979, our research achievements have covered key technology of Naval Architecture and Ocean Engineering, Engineering Mechanics, Civil Engineering, and Transportation Engineering, 3000-metre-deep underwater equipment, Marine mineral resources development and ocean engineering equipment.

Faculty

Staff & Faculties	395
Full Time Faculty	206
Professors	84
Associate Professors	87
CAS&CAE Academicians	6
1000 Plan Talents	8
Yangtze Scholars	3
Youth 1000 Plan Talents, NSFC Young Scholars, etc.	8

Platforms for Scientific Innovation

- National Laboratory of Naval Architecture& Ocean Engineering
- State Key Laboratory of Ocean Engineering
- National Large-scale Scientific Facility Center of Deepwater Technology Experiments
- MOE Key Laboratory of Hydrodynamics
- Experimental Center of Engineering Mechanics
- Experimental Center of Civil Engineering and Architecture

Membership in International Academic Societies

- International Towing Tank Conference (ITTC)
- International Ship and Offshore Structures Congress (ISSC)
- International Society of Offshore and Polar Engineers(ISOPE)
- Offshore Mechanics and Arctic Engineering (OMAE)
- International Marine Technology Society (MTS)
- International Underwater Technology Society (UTS)
- World Federation of Engineering Organizations (WFEO)
- Pacific and Asia Offshore Mechanics Symposium（PACOMS）
- International Conference on Hydrodynamics（ICHD）
- The Asia-pacific Plasticity Commission

General Information:
http://naoce.sjtu.edu.cn/en/content.aspx?info_lb=119&flag=7

Courses Taught in English

NO.	Semester	Courses Offered in English
1	2018 Spring	Sustainable Construction
2	2018 Spring	Computational Structural Mechanics
3	2018 Spring	Conceptual Design of Structures
4	2018 Spring	Principle of Geotechnical Engineering
5	2018 Spring	Computational Fluid Mechanics
6	2018 Spring	Applied Sedimentation Mechanics and Waterway Regulation in Estuaries
7	2018 Spring	Physical modelling theory and applications in coastal engineering
8	2018 Spring	Transport Economics
9	2018 Spring	Advanced Structural Dynamics And Applications
10	2018 Spring	English for Academic Purposes
11	2018 Spring	Environmental Data Analysis
12	2018 Spring	Pontential theory of ship motion in waves
13	2018 Spring	Ship Manoeuvrability
14	2018 Spring	Ocean Turbulence
15	2018 Spring	Theoretical and numerical methods for marine propulsors
16	2018 Spring	Numerical Model
17	2018 Spring	Transportation Infrastructure Construction and Management System
18	2018 Spring	Fracture Mechanics
19	2018 Spring	Mechanical Behavior of Materials
20	2018 Spring	Variational Theory and Finite Element Method
21	2018 Summer	Finite Element Analysis of Solids and Fluids
22	2018 Fall	Introduction of Turbulence
23	2018 Fall	Water Wave Dynamics
24	2018 Fall	Advanced Theory of Concrete Structures
25	2018 Fall	The State-of-the-practice of Foundation Engineering
26	2018 Fall	Disaster Prevention and Mitigation in Civil Engineering
27	2018 Fall	Advanced Rock Mechanics
28	2018 Fall	Spatial Braced and Dome Structures
29	2018 Fall	Soft Ground Improvement
30	2018 Fall	English for Academic Purposes
31	2018 Fall	Estuary and Coastal Dynamics
32	2018 Fall	Sediment Dynamics
33	2018 Fall	Transportation Engineering Theory and Method
34	2018 Fall	Elastici-Plastic Mechanics

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上海交通大學
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School of Mechanical Engineering

Introduction

The history of the School of Mechanical Engineering (ME) of Shanghai Jiao Tong University (SJTU) may date back to 1913. Over the past century, the School has cultivated tens of thousands of graduates who made significant contribution to the technological development and economic growth in the world as scientists, engineers, educators, statesmen and entrepreneurs. In the new century, the School adopted a vision of a world-class engineering school that offers the best learning experience to its students, the most rewarding working environment for its faculty and staff as well as the most effective service to the industry and the society.

The faculty, staff and students are the foundation of all that the School has been able to achieve. The School has a team of 458 faculty and staff members, of which 116 are full professors and 142 associate professors, and the student population is over 5,000. Each year, the School admits nearly 1,450 new students, 450 of which are enrolled in the Bachelor's degree programs, 350 in the Master's degree programs, 500 in the Professional Master's degree programs and 140 in the Doctoral degree programs. Over the past few years, the School has witnessed a substantial increase in the research funding it received. The School received 71.9 million USD in 2015, of which 40% was from the industry collaborative R&D projects and 60% was from the government funding.

Fall

List of Ph.D. Programs	List of Master Programs
Mechanical Engineering	Mechanical Manufacturing and Automation
	Mechatronics
	Machine Design and Theory
	Vehicle Engineering
Industrial Engineering	Industrial Engineering
Power Engineering and Engineering Thermophysics	Engineering Thermophysics
	Thermal Energy Engineering
	Power Machinery and Engineering
	Fluid Machinery and Engineering
	Refrigeration and Cryogenic Engineering
	Fuel Cell
Nuclear Science and Engineering	Nuclear Science and Engineering

ME Faculty			
Total	Prof.	Assoc. Prof.	Assis. Prof.
335	116	142	77

16th 2013 QS World University Rankings by Subject
- Engineering - Mechanical, Aeronautical & Manufacturing

9th 2016 US News University Ranking
- Best Global Universities for Engineering

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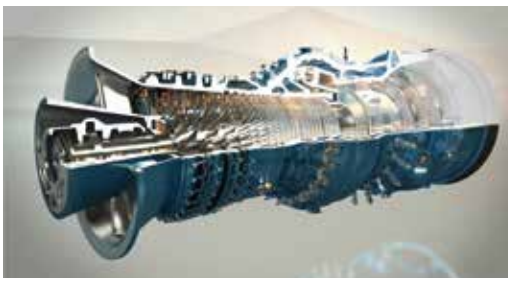

No.	Courses Offered in English	Semester
1	Digital Signal Processing	Fall
2	Wearable Systems	Fall
3	Vehicle Dynamics	Fall
4	Advanced Operations	Fall
5	Production and Operation Analysis	Fall
6	Elastic and Plastic Mechanics	Fall
7	Game Theory	Fall
8	Computer Graphics	Fall
9	Circulating Fluidized Bed Combustion	Fall
10	New Energy Systems	Fall
11	Computational Fluid Dynamics	Fall
12	Advanced Heat Transfer	Fall
13	Fundamentals and Practices of Advanced Aerodynamics Measurement Technologies	Fall
14	Factory Physics	Fall
15	Advance Engineering Thermodynamics	Spring & Fall
16	Basic Principle, Sensors and Systems for Mechanical Measurement	Spring
17	Tribology and Lubrication Theory	Spring
18	Structural Acoustics	Spring
19	Data Mining	Spring
20	Introduction to Discrete	Spring
21	Advanced Powertrain Technologies	Spring
22	Modern Vehicle Control Engineering	Spring
23	Machine Vision and its Applications	Spring
24	Micro Manufacturing	Spring
25	Combustion Chemical Kinetics	Spring
26	Multiphase Flow and Heat Transfer	Spring
27	Microfluid Flow and Heat Transfer	Spring
28	Advanced Fluid Dynamics in Engineering	Spring
29	Advanced Combustion Theory	Spring

Key Laboratories

4 State Key Labs	State Key Lab for Mechanical Systems and Vibration
	State Engineering Laboratory of Automotive Electronics Control
	State Key Lab for Marine Shock and Vibration
	State Engineering Laboratory for Reducing Coal Emissions.
2 MOE Key Labs	Power Machinery and Engineering
	Solar Power and Refrigeration
2 Shanghai Labs	Digital Auto Body Engineering, Shanghai
	Advanced Manufacturing Environment, Shanghai

Priority Research Areas

Mechanical Manufacturing
Manufacture Processing and Automation
Auto-body Design and Manufacture
Non-traditional Machining
Industrial Engineering
Intelligent Manufacturing

Mechanical Design
Design Theory and Methodology
Mechanism and Mechanical Design
Artificial Prosthesis Design

Mechatronics
Robotics and Bio-mechatronics
Precision Engineering and Control System Technology
Intelligence Robotics and Application in Industry

Engine Combustion and Environmental Technology
Engine Combustion
Automotive Electrical Control Technology
Engine Supercharging
Fuel Production and Environmental Technology
Electrification in Automotive Powertrain System

Energy Science and Technology
Turbomachinery
Energy and Combustion Science
Heat and Mass Transfer

Vibration, Shock and Noise
Vibration Shock Theory, Application and Control
Noise Mechanism, Prediction and Control
Mechanical Informatics and Diagnosis

Refrigeration and Heating, Ventilation and Air Conditioning (HVAC)
Energy Utilization in Refrigeration and HVAC Systems
Simulation and Digital Design of Refrigeration and HVAC Systems
Cryogenic Systems and Low Temperature Heat Transfer
HVAC green energy systems, Thermal comfort and IAQ

Nuclear Science and Engineering
Advanced Nuclear Systems and Safety
Nuclear Fuel Cycle
Reactor Physics
Radiation Protection and Environment
Nuclear Thermal-Hydraulics
Reactor Structure and Material

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上海交通大学
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Introduction

The School of Electronic Information and Electrical Engineering (SEIEE) boosts seven national top-ranking and global high-reputation first-tier disciplines: Information and Communication Engineering, Control Science and Technology, Computer Science and Technology, Electronic Science and Technology, Cyberspace security, Instrument Science and Technology, and Electrical Engineering. According to the 2016 First-tier Discipline Evaluation result from China Academic Degrees and Graduate Education Development Center, 6 of the disciplines rank top 10% in China. In the 2019 QS World Rankings, Electronic and Electrical ranked 28 (which also ranked No. 3 in China), while Computer and Information ranked 38 (which also ranked No. 3 in China) .

SEIEE features 8 State Key Research Labs, 14 Provincial and Ministerial-level Key Research Labs, one State Engineering Elementary Course Electrics and Electronics Teaching Base, one State Electrics and Electronics Experimental Teaching Demonstration Center, and one State Integrated Circuits Professional Training Base. SEIEE targets at international frontier science and technology, satisfies national significant demand, strengthens innovative platform and team building, which leads to 13 prizes that include the second prize in National Nature Science, the second prize in Technical Invention, and the second national prize in Technical Progress. SEIEE insists internationalization and concentrates on cultivating talents with international minding and competence. The number of visiting students ascends every year.

School of Electronic, Information and Electrical Engineering

Subject Fields	Research Contents
Electrical Engineering	Electric Machines and Electric Apparatus, Electric Power System and Its Automatization, High Voltage and Insulation Technology, Power Electronics and Power Drives, Theory and New Technology of Electrical Engineering.
Control Science and Engineering	Control Theory and Control Engineering, Detection Technology and Automatic Equipment, Systems Engineering, Pattern Recognition and Intelligent Systems.
Computer Science & Technology	Computer System Structure, Computer Software and Theory, Computer Application Technology, Advanced Computer Architecture and Chip Technology, Information Safety.
Electronic Science and Technology	Circuits and Systems, Electromagnetism Field and Microwave Technology, Integrated Circuits Design.
Information & Communication Engineering	Communication and Information System, Signal and Information Process, Information Safety.
Instrument Science and Technology	Precision Instrument and Machinery, Measuring and Testing Technologies and Instruments, Navigation, Guide and Control.
Cyberspace Security	Cyberspace Security

Achievements

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The Second Prize of National Natural Sciences

2017 The Principle Research and System Design of Predictive contool
2018 Basic Theory and Method of Distributed perception and cooperatine contiol of Network System

The Second Prize of National Science and Technology

2009 International Standard and Application of ITU-T Multimedia Business Series
2010 Key Technology of Disaster Prevention in Urban Power System and its Application
2011 Research and Application on the Key Optional Operation Technologies of the Complex Hydropower Energy System
2012 RF Electronic System of 3D High Density Packaging Technology
2012 Dynamic Brian Modeling, Positioning and Functional Protection with its Applications in Neural Surgery Navigation
2014 Multifunctional Molecular Imaging Theranostic Technology and Application on Tumor
2014 The Key Supporting Technologies and Applications of Running Virtual Machines
2017 The Localization of Digital TV Broadcasting System and Core Chip
2017 Research and Application of Attack and Defense Key Technologies of Cryptographic Chip System
2017 High Precision and Reliable Positioning on Navigation Technology and Application

The Second Prize of National Technological Innovation Award

2012 Dynamic Brian Modeling, Positioning and Functional Protection with its Applications in Neural Surgery Navigation

Renowned Professors

Name	Research Fields
HE Zuyuan	Fiber-optic Application Technology
JIA Weijia	Computer Science and Technology
ZHANG Yafei	Nano-materials and Apparatus
YU Wenxian	Radar Target Recognition
MAO Junfa	Electromagnetic Field and Microwave Technology
GUAN Xinping	Control Science and Engineering Technology
CUI Daxiang	Nano-material
GU Dawu	Cryptology
MA Lizhuang	Computer Application Technology
FU Yuxi	Computer Application Technology
GUO Minyi	Computer Application Technology
LI Shaoyuan	Control Science and Control Engineering
CHEN Guihai	Wireless Network
ZHANG Weidong	Control Science and Control Engineering
YANG Xiaokang	Communication and Information System
WANG Xinbing	Wireless Network Coding

Platforms for Scientific Innovation

- State Key Laboratory on Local Fiber-Optical Communication Networks and Advanced Optical Communication Systems
- State Key Laboratory on Micro/Nano Process Technology
- Shanghai Key Laboratory of Scalable Computing and Systems
- National Engineering Center of Digital TV
- National Engineering Lab for TFT-LCD Materials and Technologies
- National Engineering Lab for Information Content Security
- State Energy Smart Grid R&D Center (Shanghai)
- Future Media Network Collaborative Innovation Center

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上海交通大学
SHANGHAI JIAO TONG UNIVERSITY

School of Materials Science and Engineering

Introduction

The program of Materials Science and Engineering (MSE) in Shanghai Jiao Tong University (SJTU) has been consistently remained in national top 5, especially No. 1 in 2003, as evaluated by the Minister of Education. In 2007, MSE in SJTU was authorized as the first-class National Key Discipline. MSE program of SJTU Ranked 25 in 2019 QS World University Rankings and has been listed in the world top 0.1% discipline of ESI for years.

The School of MSE (SMSE) is authorized to provide the following postgraduate degree programs:

> Ph.D. Programs in Materials Science and Engineering;
> M.Sc. Programs in Materials Science and Engineering;
> M.Eng. Programs in Materials Engineering.

SMSE has about 300 faculty and staff members, and 1300 full-time students. Meanwhile, with a global vision, SMSE offers the best learning experience to the students, the most rewarding working environment for the faculty and staff members as well as the most effective service to the industry and society.

Subject Fields	Research Contents
Advanced Light Metal	Advanced Aluminum Alloys and Processing, High-performance Magnesium Alloys, Degradable Medical Magnesium Alloys, New Magnesium-based Energy Materials.
Composite Materials	Aluminum-based Composite Materials, Titanium-based Composite Materials, Morph-genetic Materials and Bionic Composite Materials, Polymer-based Composite Materials, New Functional Composite Materials, Nano and Energy Materials.
Materials Processing and Manufacturing	Materials and Solidification Technology, Plastic Deformation, Powder Metallurgy, Welding Technology, Heat Treatment, Digital Intelligence of Materials Processing, High Temperature Alloy and Component, High Strength Steel.
Nano-materials and New Functional Materials	New Type Energy Materials, Electronic Information Materials, Biomedical Materials, Special Functional Thin Film, Magnetic Shape Memory and Magnetic Refrigeration Materials.
Design and Control of Supermicro Structure	Design of Super-microstructure, Super-microanalysis, Super-microstructure of Evolutionary Dynamics.

Achievements

In the last five years, SMSE has made great achievements in scientific research. SMSE has witnessed a substantial increase in the research funding, a total amount of 140 million USD. More than 1400 SCI papers have been published and almost 400 patents have been licensed during the last five years.

In addition, SMSE has achieved many academic honors and awards in the last ten years, including the 2nd Prize of National Natural Science Award, the 2nd Prize of National Science and Technology Progress Award, the 2nd Prize of National Technology Invention Award, the International Cooperation Award, and 25 provincial-level scientific and technological awards.

Under the guidance of the Teaching Committee, SMSE has established a full-English teaching system. At present, SMSE is carrying out high-level education cooperation with more than ten world-famous universities. The school has established dual degree programs with Northwestern University, The Ohio State University, Monash University, Institute National Polytechnique de Grenoble and so on. SMSE also has conducted exchange programs with Johns Hopkins University, University of Bremen, Norwegian University of Science and Technology, and University of Manchester.

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Renowned Professors

Name	Research Fields
Jiansheng PAN	Heat Treatment
Wenjiang DING	Light Alloy Fabrication and Forming Technology
Liancheng ZHAO	Photoelectric Information and Engineering
Liyuan HAN	Dye Sensitized Solar Cell
Ping XIAO	Coating Materials
Tao DENG	Micro and Nano Devices Energy and Sensing Materials
Xiaoqi CHEN	Welding Automation
Hong WANG	Materials Genome
Di ZHANG	Metal-based Composite Materials and Morph-genetic Materials
Shanben CHEN	Smart Welding
Haowei WANG	Structure Function Integration Composite Materials
Baode SUN	Precision Casting Forming
Hezhou LIU	Nano-functional Materials
Jianguo LI	Metal Solidification Theory and Solidification Control
Xiangyang KONG	New Energy Materials
Tongxiang FAN	Functional Metal-based Composite Materials
Xun SHI	Information Materials
Xiaoqin Zeng	High Performance Light Alloys, Materials Genome Initiative

Platforms for Scientific Innovation

One State Key Lab	The State Key Lab of Metal Matrix Composites
Three National Engineering Research Centers	National Engineering Research Center of Die and Mold CAD
	Light Alloy Net Forming National Engineering Research Center
	National Engineering Research Center for Nanotechnology
Three Shanghai Labs	Shanghai Key Lab of Materials Laser Processing and Modification
	Shanghai Engineering Research Center of Magnesium Materials and Applications
	Shanghai Key Laboratory of Advanced High-Temperature Materials and Precision Forming

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上海交通大学
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School of Mathematical Sciences

Introduction

School of Mathematical Sciences, established in December, 2015, is a continuation of the old name "Department of Mathematics". It features "Three Departments and One Center", which consist of the Department of Mathematics, the Department of Applied and Computational Mathematics, the Department of Statistics and the Mathematical Education and Research Center. In the latest US NEWS rankings for mathematical sciences, SJTU Math ranked 29th globally. The school has been included in the project "Network of International Centers of Education in China" (three in total nationwide), which facilitates its development in internationalization.

The School is providing the following degree programs :
Ph. D. programs in mathematics/statistics (English/Chinese Program);
Master program in mathematics (Chinese Program);
Professional master program in applied statistics (Chinese Program).

In addition, the school aims to nurture high-level academic researchers by providing postdoctoral programs in mathematics and statistics.

Subjects	Research Fields
Algebra	Representation Theory, Triangulated Category, Lie Algebra, and Vertex Operator Algebra, etc.
Geometry & Analysis	Geometric Analysis, Lower-dimensional Topology, Partial Differential Equations and Complex Dynamics of Several Variables, etc.
Number Theory	Analytic Number Theory, Algebraic Number Theory, and Cryptology, etc.
Partial Differential Equations and Their Applications	Hyperbolic PDEs, Mathematical Theory of PDEs in Fluid Dynamics, and Regularity Theory and Qualitative Behavior for Elliptic Equations, etc.
Ordinary Differential Equations and Dynamical Systems	Qualitative Theory, Bifurcation Theory, and Integrable Theory, etc.
Mathematical Physics	Continuous and Discrete Integrable Systems, Theory of Nonlinear Waves, Nonintegrable Systems, and Integrable Systems and Orthogonal Polynomials, etc.
Combinatorics	Algebraic Combinatorics, Graph Theory, and Complex Network, etc.
Optimization	Nonlinear Least-squares, Polynomial Optimization, Convex Optimization, and Image Processing, etc.
Scientific Computation	Numerical Solutions of Differential Equations, Mathematical Modeling and Computation for Multi-scale Problems, Fast Solvers for Physical and Mechanical Problems, and Numerical Algebra, etc.
Applied Mathematics in Biology	Physics Process in Biological System, Theoretical and Computational Nuroscience, etc.
Statistics, Probability & Financial Mathematics	Stochastic Analysis, Credit Risk Analysis, and Financial Mathematics, etc.

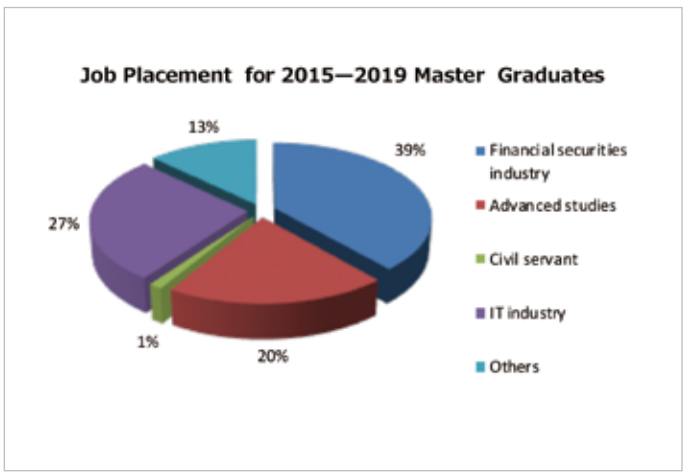
Research Achievements

上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

In the past few years, the School of Mathematical Sciences has achieved rapid growth in research funds, including 25 new projects in 2018, among which 18 projects are from National Natural Science Foundation of China (NSFC), 2 projects are from Ministry of Science and Technology of China, 3 projects are from Postdoctoral Fund of China, and 2 projects are from the Shanghai Municipal Science and Technology Commission. In the past five years, the faculty have had over 948 SCI papers published in many leading journals enjoying world recognition, including Journal of American Mathematical Society, Acta Mathematica, SIAM Review, Proceedings of the National Academy of Sciences of the USA, Physical Review Letters, and Annals of Statistics, etc.

Platforms for Scientific Innovation

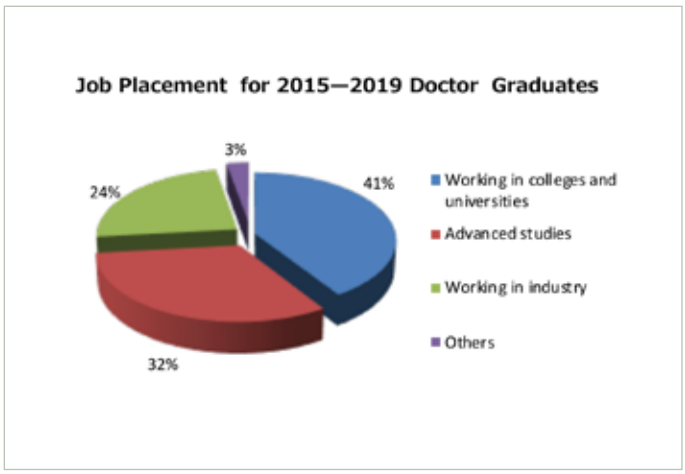
> Ministry of Education Key Laboratory of Scientific & Engineering Computing
> Shanghai Key Lab in Mathematical Modeling, Analysis, and Computation for Multi-Physical Processes
> Institute of Natural Sciences
> Interdisciplinary Platform in Statistics



International Cooperation

School of Mathematical Sciences of SJTU 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 academic collaborations with Oxford University, Université Pierre et Marie Curie, University of Konstanz, Indiana University, University of Wisconsin-Madison, Northwestern University, National University of Singapore, Lomonosov Moscow State University etc.

Communications on Pure and Applied Analysis, an international mathematical journal, is jointly issued by the Department of Mathematics (now School of Mathematical Sciences), SJTU, and the American Institute of Mathematical Sciences. It has been one of SCI journals since 2009.



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上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

School of Physics and Astronomy

Introduction

The School Department of Physics and Astronomy has two first-level disciplines of Physics and Astronomy, with the former includes a number of secondary disciplines: Theoretical and Interdisciplinary Physics, Nuclear and Particle Physics, Laser Plasma Physics, Condensed Matter Physics, Optics Science and Engineering, and two post-doctoral research centers of Physics and Optics Science. Condensed Matter Physics and Optics became state key disciplines in 2002 and 2007 respectively. In the 2017 first-level discipline ranking of Ministry of Education, Physics was ranked at Class A, and it was selected in the First Class Disciplines Construction Plans (Class A) of Colleges and Universities in Shanghai in September 2012.

Subject Fields	Research Contents
Theoretical and Interdisciplinary Physics	Study on the frontiers of Electron Transport and Superconductivity in the Condensed Matter, Soft Condensed Matter Physics, Complex Physics Systems, Theoretical Biophysics, Statistical Physics, Low-Dimensional Condensed Matter Theory, Quantum Field Theory and Phase Transition Theory.
Nuclear and Particle Physics	Study on the frontiers of Particle and Nuclear Physics Theory and Experiment, including Neutrino, Nuclear Structure, Quantum Chromodynamics and Dark Matter.
Laser Plasma Physics	Study on the frontiers of Physics and key technology of High Energy Density Matter, including Novel Particle Acceleration and Radiation Sources, Novel Laser Fusion, Laboratory Simulation of Astrophysical Phenomena, and Ultrafast Dynamics of Physical Structure.
Condensed Matter Physics	Study on the frontiers of Topological Insulators and Topological Superconductors, High-temperature Superconductivity, Semiconductor Physics, Surface and Interface Physics, Soft Matter Physics, Condensed Matter Spectroscopy, Computational Condensed Matter Physics, Optoelectronic Device Physics, and Solar and Energy Physics.
Optics Science and Engineering	Study on the frontiers of Optical Physics, including Nonlinear Optics, Nano-photonics and Quantum Optics, and on the application of Optical Fiber, Optical Waveguide, Optical Instruments and Solar Cell.
Astronomy and Astrophysics	The research interests mainly focus on the formation and evolution of stars, galaxies, galaxy clusters and large scale structure of the universe. Study on the experiment, observation and simulation of astronomy and astrophysics at multi-wavebands from radio, infrared, optical, to X-ray and Gamma-ray, including the physical properties and spatial distribution of baryons and dark matter particles, black hole and its impact on the galaxy activity, supernova and Gamma-ray burst, the first stars and the re-ionization of the universe, etc.

Achievements

In 2017, the School of Physics and Astronomy made remarkable achievements in base construction, major projects application, research funds, and scientific research. In the evaluation of the key laboratory of Ministry of Education, artificial structure and quantum control laboratory was excellent. Three "National key research and development program", one "National key research and development youth program" of Ministry of Science and Technology, one NSFC innovation research group program, one NSFC distinguished young scholar program, and one NSFC key program. The research fund received by the school was more than one million in the recent five years. Two scientific achievements were awarded first prize of natural science of Ministry of education. The Outstanding Scientific Research Team Award was obtained by strong field laser gruop led by Prof. Zhang Jie in September 2018. Moreover, 49 high-quality papers were published in top journals like Nature series, Physical Review Letters, PNAS, and Astrophysical Journal, among which 26 papers were the school as the first author or corresponding author affiliation in 2017.

Platforms for Scientific Innovation

- Collaborative Innovation Center of IFSA
- Key Laboratory for Laser Plasmas, Ministry of Education
- Shanghai Key Laboratory for Particle Physics and Cosmology
- Key Laboratory for Particle Physics, Galaxy and Cosmology, Ministry of Education (under construction)
- Artificial Microstructure Science and Technology Collaborative Innovation Center
- National Key Laboratory for Advanced Optical Communication Systems and Networks
- Tsung-Dao Lee Institute (Collaborative)

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SHANGHAI JIAO TONG UNIVERSITY

Renowned Professors

Name	Research Fields
LI Jiaming	Atomic and Molecular Physics
LEI Xiaolin	Semiconductor Electron Transport and Optical Properties
ZHANG Jie	Laser Plasmas
PAN Jianwei	Quantum Physics
WU Xiangping	Cosmology
JING Yipeng	Cosmology
FAN Dianyuan	Dark Matter Detection Experiments
JI Xiangdong	Dark Matter Detection Experiments
CAI Shenou	Theoretical Physics
HE Xiaogang	Particle Physics Theory
WANG Xijie	Laser Accelerator
LIU Ying	Superconductivity Nano Physics
JIA Jinfeng	Surface Physics
ZHONG Dongping	Femtobiology & Biomolecular Interactions
KU Wei	Strongly Correlated Materials
CAO Jianming	Structural Dynamics
ZHENG Hang	Condensed Matter Physics
SHEN Wenzhong	Solar Photovoltaic Science and Technology
YAO Xin	Crystal Growth and Mechanism
JIA Jinfeng	Surface Physics
SHENG Zhengming	Laser Plasmas
WANG Xiaoqun	Correlated Electron Systems and Quantum Control
WANG Bin	Theory of Gravity
QIAN Liejia	Ultrafast Nonlinear Optics
YANG Xiaohu	Astrophysics
ZHANG Pengjie	Cosmology
CHEN Xianfeng	Nonlinear Optics
XU Haiguang	Astronomy and Astrophysics
ZHANG Weiping	Atomic, Molecular and Optical Physics
ZHAO Yumin	Nuclear Structure Theory
LIU Jianglai	Particle Physics
CHEN Liewen	Theoretical Nuclear Physics
QIAN Dong	Surface Physics

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Website: www.physics.sjtu.edu.cn

上海交通大学
SHANGHAI JIAO TONG UNIVERSITY

School of Life Sciences and Biotechnology

Introduction

School of Life Sciences and Biotechnology (SLSB) was established by Shanghai Jiao Tong University (SJTU) with joint efforts of the Chinese Academy of Sciences (Shanghai Branch) In February 1997.

SLSB owns two first-level disciplines. Sub-disciplines include Biochemistry and Molecular Biology, Genetics, Microbiology, Developmental Biology, Cell Biology, Bioinformatics, Bioengineering, etc.

SLSB boasts two state personnel training bases for Life Sciences and Biotechnology, and Biological Science and a Municipal Life Science Experimental Teaching Demonstration Center. Biotechnology and Bioengineering belong to special majors of the Ministry of Education.

Currently, SLSB has 275 undergraduates, 422 master students and 452 doctoral students. Sub-disciplines, such as Biology and Biochemistry, Molecular Biology and Genetics, Microbiology, Animal and Plant Science, have been in top 1% in ESI International Rankings.

First-level Discipline	Domain of Research
Biology	Microbiology, Genetics, Developmental Biology, Biochemistry and Molecular Biology, Biophysics, Bioinformatics, Biochemical Engineering.
Bioengineering	Synthesis Bioengineering, System Biological Engineering, Bio-catalysis and Biotransformation, Biological Medicine, Biological Resources, Environmental Engineering.

Overview of Faculty

SLSB has a proficient and competent team of teaching and research including 55 professors and 33 associate professors, among whom two are members of the Chinese Academy of Sciences, one is recipient of the Thousand Talents Plan, seven are Cheung Kong Scholar chair professors,
seven are winners of the National Outstanding Youth Fund, three are Chief Scientists of the Major National Basic Research Project (973 Project), and one is National Outstanding Teacher.
A number of scholars with outstanding academic achievements are pioneers of scientific research.

Achievements

Publications

In the past few years, numerous SCI papers have been published in main periodicals such as Cell, Nature Genetics, Nature Chemical Biology, Nature Cell Biology, Nature Communications, PNAS, Developmental Cell, Genes & Development, Plant Cell, Journal of the American Chemical Society, Angewandte Chemie International Edition, PLoS Genetics, and Molecular Microbiology etc.

Awards

SLSB has won many academic awards including the 1st prize of the Natural Science of Ministry of Education, the 2nd prize of scientific and technological progress of Ministry of Education, Shanghai MuDan Award for Fundamental Science, He Liang He Li Award and Shanghai Meritorious Staff Award, etc.

International Cooperation

SLSB has been making great efforts to enhance international cooperation with many world famous universities, such as establishing "3+1+1" Bachelor- Master Dual Degree Program with Yale University (USA), Master-Doctor Dual Degree Program with the University of Adelaide (Australia) and Bachelor-Doctor Dual Degree program with the University of Nottingham (UK).

上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

Renowned Professors

Name	Introduction
DENG Zixin	Chinese Academy of Sciences Member
HE Lin	Chinese Academy of Sciences Member
MA Xiaojing	Member of the Thousand Talents Plan of the ODCC
ZHONG Jianjiang	Distinguished professor of Chang Jiang Scholar Winner of Outstanding Young Investigator Award
ZHANG Dabing	Distinguished professor of Chang Jiang Scholar Winner of Outstanding Young Investigator Award
SHI Yongyong	Distinguished professor of Chang Jiang Scholar Winner of Outstanding Young Investigator Award
XIAO Xiang	Winner of Outstanding Young Investigator Award
LIN Shuangjun	Winner of Outstanding Young Investigator Award
LI Baojie	Distinguished professor of Chang Jiang Scholar
LV Hui	Member of the Thousand Talents Plan of Shanghai
FENG Yan	Distinguished Professor, SJTU
WU Ji	Distinguished Professor, SJTU
GUO Xizhi	Distinguished Professor, SJTU
XU Ping	Distinguished Professor, SJTU
ZHOU Ningyi	Distinguished Professor, SJTU
BAI Fengwu	Distinguished Professor, SJTU

Platforms for Scientific Innovation

- The State Key Laboratory of Microbial Metabolism
- Education Ministry Key Laboratory for studies of Genetics of Developmental and Neuropsychiatric Disorders
- Joint international research laboratory of Metabolic & Developmental Sciences
- National Center for Molecular Characterization of Genetically
- Modified Organisms
- Bio-X Institute
- Mechanical Biological Institute
- Marine Microbiology Institute
- Cellular Immunology Institute

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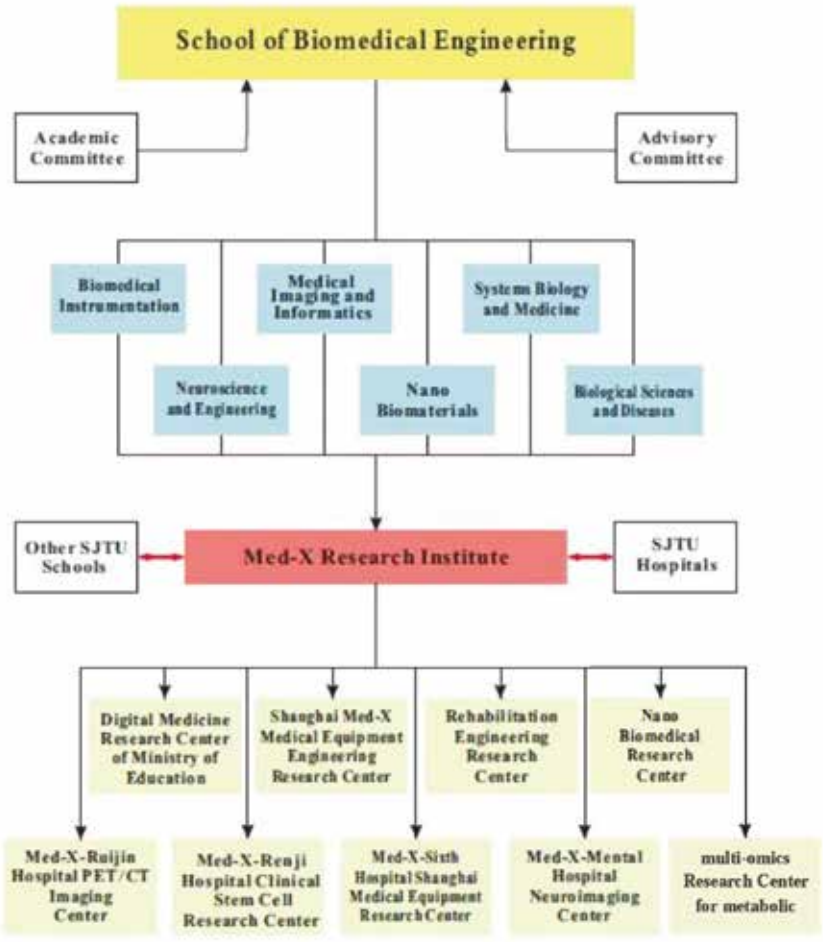
上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

School of Biomedical Engineering

Introduction

On April 8, 2011, the School of BME was established by the merge of SJTU Med-X Research Institute, an institute dedicated to interdisciplinary research on Medicine and Engineering/Physical Sciences, and the former SJTU Department of BME. With the combined resources, the School of BME has reorganized its research and educational programs with great emphasis on translational research and internationalization as its key developmental strategies towards international excellence.

The School of Biomedical Engineering offers the Ph.D. and Master's degree programs of Biomedical Engineering and Biology in the following areas: Biomedical Instrumentation, Neuroscience and Engineering, Medical Imaging and Informatics, Nano Biomaterials, Biological Sciences and Diseases, Systems Biology and Medicine.



Achievements

Our faculty members have received numerous accolades and honors, including membership in the National Academy of Engineering of China, Distinguished Professorship by both the national and municipal Thousand Talents Program, National Outstanding Young Investigators, and Cheung Kong National Distinguished Professorships. Among our faculty members, there are two Chief Scientists of "973 Project" National Basic Research Center Grants, which belong to the most significant center grants in China. Our faculty members have also been elected as the fellows of several major professional societies, including AAAS, ASME, AIMBE, and SPIE. A number of the faculty members have served as associate editors or members of the editorial board of international journals such as Nanomedicine, Stroke, Journal of Cytometry Part A, and IEEE Trans.

More Information :

An Introduction of BME
http://bme.sjtu.edu.cn/En

Renowned Professors
http://bme.sjtu.edu.cn/En/Teacher?w=86&p=19

Program Admission
http://en.gs.sjtu.edu.cn/Admission1.htm

Scholarship Application
http://en.gs.sjtu.edu.cn/Scholarships1.htm

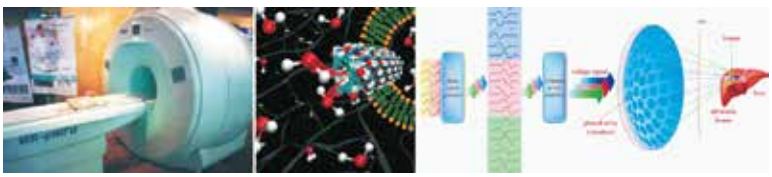
Dual Degree Program
http://bme.sjtu.edu.cn/EN/content.aspx?info_lb=103&flag=23

International Exchange
http://bme.sjtu.edu.cn/EN/content.aspx?info_lb=113&flag=24

上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

Courses Offered in English

Neural Control of Movements	Cell Biological Photonics
Biomedical Optics	Systems Biology: Concepts, Methodologies and Applications
Biomedical Signal Processing	Biomaterials and Tissue Engineering
Advanced Digital Image Processing	Techniques for Neuromodulation
Bioheat and Mass Transfer	Computer Vision in Biomedical Engineering
Neuroimaging	Molecular Sensors and Nanodevices: Principles, Design and Applications in Biomedical Engineering
Frontiers in Biomedical Engineering Seminar Series	Recent Advances in Cancer Development and Diagnosis I & II
Introduction to Bioinformatics	Physical Biology: Principles and Techniques I & II
Nuclear Medicine Imaging	Principles and Technology of Pore-forming Toxin



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上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

School of Humanities

Introduction

The School of Humanities currently offers doctoral program of Comparative Literature and Cross-culture Study; master programs for three first-tier disciplines: Chinese Language and Literature, Chinese History, Philosophy; one professional master program: International Chinese Language Education; one English-taught master program: Modern Chinese Studies.

The School of Humanities is endeavoring to construct a number of high-level and specialized disciplines and several domestic-leading disciplines with international features.

Subject Fields	Research Contents
Comparative Literature and Cross-culture Study	The Comparison of China Foreign Literature and Culture, Cultural Theory and Literary Criticism, Literary Anthropology and Aesthetic Anthropology.
Chinese Language and Literature	Theory of Literature and Art, Ancient Chinese Literature, Literary and Aesthetic Anthropology, Contemporary Chinese Literature, Comparative Literature, Language Philology, Linguistics and Applied Linguistics.
Chinese History	Ancient Chinese History, Contemporary Chinese History, Specialized History.
Philosophy	Foreign Philosophy, Chinese Philosophy.
Master of Teaching Chinese to Speakers of Other Languages (MTCSOL)	Teaching of Chinese as a Second Language, Second Language Acquisition, Introduction to Chinese Linguistics, Study of Classroom Teaching, Cross-cultural Studies, Educational Psychology, Language Testing and etc.
Modern Chinese Studies (Taught in English)	Chinese Language and Literature, Chinese History, and Chinese Philosophy.

Achievements

In the last seven years, the School of Humanities has successfully obtained 49 projects of National Social Sciences Fund (15 are major projects) and 37 provincial or ministerial level projects. Also, the School of Humanities has hosted Shanghai philosophy and social innovative platform base once; compiled the collection of three CSSCI journals and three foreign journals; published about 792 papers on SSCI, A&HCI, CSSCI, and over 350 books (edited authored and translated); obtained 11 provincial or ministerial levels academic honors. The research on Tokyo Trial and Anti-Fascist War aroused important influences on the world academic field, which has frequently obtained the instructions from the state leaders.

Renowned Professors

Name	Research Fields
GAO Xuanyang	Contemporary French Philosophy, the History of German Philosophy, Contemporary Social Theories, and Contemporary Art Criticism
WANG Ning	Modernity, Postmodernism, Globalization and Culture, World Literature, Translation Studies
YE Shuxian	Comparative Literature, Literary Anthropology
LV Tongling	Contemporary Chinese Culture and Marxism Studies, Cultural Criticism and Film Theory, Studies of the History of Anti-Japanese War
CAO Shuji	The History of Chinese Migration and Population, the History of Environment and Diseases, Social Economic History, and the History of Modern China
CHEN Jiaming	Epistemology, Modern Western Philosophy, Modernity and Postmodernity
CHENG Zhaoqi	Consequences of the Sino-Japanese War
CHIU Peng-Sheng	The History of Chinese Institutional Economics and Legal System
DUH. Bau-Rui	Neo-Confucianism, Daoist Philosophy, Zen Buddhism, The Book of Changes
GUAN Zengjian	The History of Science and Technology, the History of Metrology, the History of Physics
LIU Shiyong	The History of Contemporary Medicine and Medical Treatment, the History of Public Health and International Health in the Twentieth Century, East Asian Environmental History
YANG Qingcun	Ancient Chinese Literature, Song Dynasty Prose, Literary Classics Studies, Classical Poetry
YU Wanli	Confucian Classics and Historical Literature, Traditional Linguistics
ZHANG Zhongliang	Modern and Contemporary Chinese Literature, Anti-Japanese War Literature, Comparative Literature

Platforms for Scientific Innovation

Research Centers

- Institute for War Trials and World Peace
- Institute for Mythological Studies
- The Anti-Fascist War Research Center
- The Tokyo Trial Research Center
- Research Center for Local Archives Studies
- Institute for Advanced Study in European Culture
- Research Center for Left-wing Culture
- Research Center for Ancient Classics and Chinese Culture
- Leuven Sino-Euro Culture Research Center
- Research Center for Contemporary Chinese Literature and Culture
- Research Center for Literary Theory and Criticism
- Institute on the History and Society of Northeast China
- Research Center for Life-Writing
- Research Center for Overseas Chinese Character Culture

Practice Base

- Oversea Internship Center for MTCSOL Masters at University of Auckland (New Zealand)
- The University of New South Wales

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上海交通大学
SHANGHAI JIAO TONG UNIVERSITY

School of Chemistry and Chemical Engineering

Introduction

The School of Chemistry and Chemical Engineering (SCCE) was founded in 1928 as the Chemistry Department of SJTU. 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 top 100 in Chemistry and in Chemical Engineering and Technology. In 2017, 2 disciplines of SCCE, Chemistry and Chemical Engineering, were selected in the "Double First-Class" selection. The main building of SCCE covers a floorage of 20,000 m^2 and accommodates a variety of state-of-the-art equipment and facilities. With its vibrant faculty and diversified programs, the School has been 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.

Degree Programs

Bachelor Degrees	Chemistry
	Chemical Engineering and Technology
Master Degrees	Chemistry
	Chemical Engineering and Technology
	Materials and Chemical Engineering
Ph.D. Degrees	Chemistry
	Chemical Engineering and Technology

Students and Faculty

Number of Students	Undergraduate Students	287
	Master Students	273
	PhD Students	344
	International Students	58
Number of Faculty	Professors	46
	Associate Professors	61
	Assistant Professors	25
	Staffs	190

Three Departments	Department of Chemistry
	Department of Chemical Engineering
	Department of Polymer Science and Engineering
MOE Scientific & Research Center	Revolutionary Molecules Scientific Center (Preparing)
Provincial Key Labs	Shanghai Key Lab of Electrical Insulation & Thermal Aging
	Shanghai Key Laboratory for Molecular Engineering of Chiral Drugs
	Self-Assembly and Functional Materials, Shanghai Municipal Education Commission
	Shanghai Electrochemical Energy Devices Research Center
	Electrochemical Energy System and Application Research Center of Universities in Shanghai
Supporting Facilities	Central Analytical Lab
	Experiment Education Center
	Administration Office

Research Fields

> Inorganic Synthesis and Preparative Chemistry
> Materials Chemistry
> Inorganic Nano-Materials and Chiral Mesoporous Materials
> Supra-Molecular Chemistry
> Organo-Metallic Chemistry
> Asymmetric Catalysis and Synthesis Chiral Ligands
> Bioanalytical Chemistry and Metabolic Chemistry
> Molecular Modeling and Computational Chemistry
> Method and Application of the Quantum Chemistry of Heavy Atom System
> Density Functional Theory Method and Application
> Polymer Self-assembly
> Polymer Rheology
> Rubber Processing and Product
> Polymer Composites
> Electrochemical Engineering and Energy Storage Battery Technology
> Catalytic Reaction Engineering and New Energy Chemical Industry
> Green Chemical Technology
> Metal Corrosion and Protection Technology Development
> Environmental Protection and Comprehensive Utilization

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上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

About ACEM and MIB Program

As the first China-based business school triply accredited by EQUIS, AMBA and AACSB, Antai College of Economics and Management (ACEM) is one of the best business schools in China and even in the world. According to 2017 Financial Times worldwide rankings, ACEM's Master in Management ranked 32 and among the world top 50 for eight consecutive years. MBA program ranked 34. EMBA program became the world top 6, and ranked No. 1 in Asia.

Master of International Business (MIB) intends to create a community of diverse cultures, and aims to train and develop talented students to have a comprehensive understanding of global business and a deep insight into Chinese dynamic business environment as well as knowledge about Chinese history, culture, law, and policy.

MIB is a 2-year English program tailored for international students. Since its launching in 2013, MIB program has developed into one of the biggest and best similar programs in China. In the first academic year, MIB students will focus on the well designed courses and have a field study. In the second academic year, MIB students can also have internships, join international exchange programs, and culture experience.

Antai College of Economics and Management

Structured Curriculum

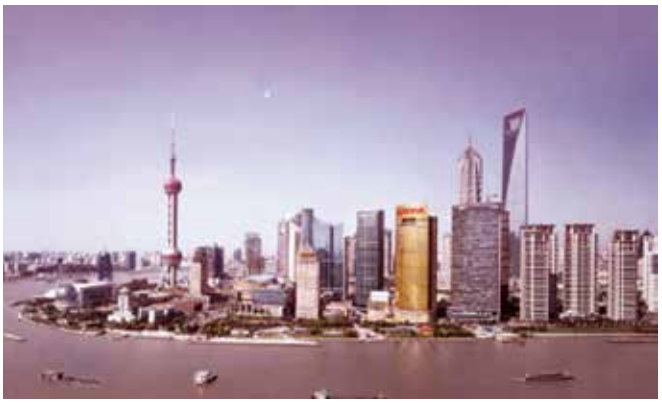
Foundation Courses	Chinese Language Chinese Culture Chinese Economy International Economics Management Thoughts and Leadership Arts Research Methods in Business and Management Financial Management
Core Courses	Business Law in China Introduction to Banking Industry in China Doing Business in China Module: (1)Organization Behaviors (2)Human Resource Management (3)Marketing (4)Operations Management (5)Investment (6)E-commerce
Elective Courses	Business Economics Macroeconomics Accounting for Managers Data Model and Decision Making Cross-cultural Management Strategic Management Applied Statistics Business Consulting and Change Management
Internship & Exchange	Industry Projects and Intern International Exchange Study Tour
Research & Dissertation	Seminars Dissertation

WHY MIB

上海交通大学
SHANGHAI JIAO TONG UNIVERSITY

Global Mindset

China Context



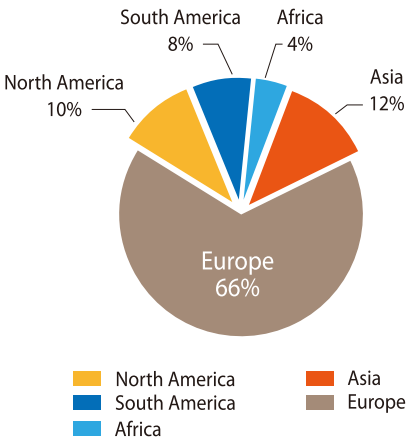
Field Study

Culture Experience

Industrial Contact

citibank 花旗银行 · JPMorganChase · 中国国际金融有限公司 · HUAWEI · UBS · Goldman Sachs · P&G · Bain Capital · 国泰君安证券 GUOTAI JUNAN SECURITIES · McKinsey&Company · ICBC 中国工商银行 · 中国商飞 COMAC · Das Auto. · ExxonMobil · GM

2017 MIB



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上海交通大学
SHANGHAI JIAO TONG UNIVERSITY

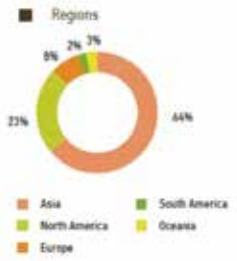
MBA - Antai College of Economics and Management

Antai MBA Program: GLOBAL PERSPECTIVE+ CHINESE FOCUS

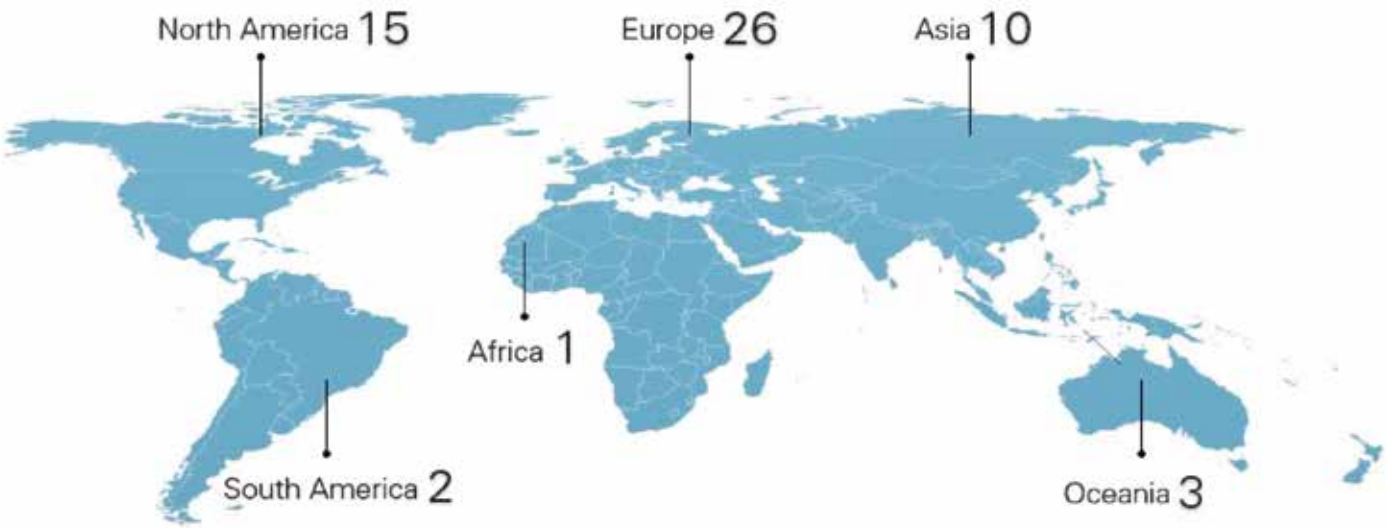
The MBA program at ACEM is unique in that it offers students a global perspective with a Chinese focus, utilizing foreign professors, exchange programs and courses taught solely in English. Our program attracts top domestic applicants who learn alongside international peers and exchange students. The IMBA is ideal for MBA candidates seeking to grasp both Eastern & Western standards in business, a key advantage as our world becomes increasingly smaller and interconnected. ACEM boosts of many connections and cooperation with universities throughout the globe, backed by the century-long history of SJTU, which prepares our IMBA graduates to meet the needs of economic globalization with both solid professional experience and modern managerial theories.

Intake 2018

30.72	6.13
Average Age	Average Work Experience
41%	**73%**
Female	Entrepreneurial Intentions



Pre-Term (Sep)	First Semester (Sep-Jan) & Second Semester(Feb-Jul)	3rd Semester	4th Semester
Orientation	Core Courses	Optional Courses or International Exchange Programs	Dissertation
Team Building and Communication	Financial Accounting		Graduation Ceremony
Leadership Improvement	Managerial Economics	Optional Courses	
	Macroeconomics & Public Policy	Corporate Environmentalism -and Public Policy	
	Strategic Management	Risk Management	
	International Marketing	Internet Marketing	
	Business Ethics and Corporate Social Responsibility	Leadership Development	
	Corporate Finance		
	Data Models & Decision-Making		
	International Finance		



INTERNATIONAL OUTLOOK

- Diverse student body and faculty members from over 30 countries.
- Dual-degree programs IE, ESCP, Rice and Tulane, and exchange programs with over 50 other leading business schools across six continents, students are encouraged to enrich and diversify their undergraduate learning experience.
- Free weekly Chinese mandarin courses not only provide students with language skills to be adaptable to Chinese business environ ment, but also integrate essential knowledge of Chinese culture and business practices into the curriculum.

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上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

School of International and Public Affairs (SIPA)

Guided by the motto of "Wisdom, Integrity, Diligence, and Harmony", the School of International and Public Affair (SIPA) has been committed to student training, academic research, international cooperation and coordinated development. With public administration and political science as its preponderant disciplines, SIPA has made great headway towards internationalizing its programs. The school's core competitiveness and social influence are constantly improving, and we are now moving steadily towards a world-class university with Chinese characteristics.

The SIPA faculty team is comprised of highly qualified and experienced teachers with outstanding academic records. SIPA's honorary dean is General XIONG Guangkai, expert in international issues and problems, and former deputy chief of staff for the People's Liberation Army of China. Our honorary professors include Nakasone Yasuhiro, former Prime Minister of Japan, and Robert D. Putnam, former Dean of Harvard Kennedy School.

Academic Programs

Program	Major	Teaching Language	Study Period	Tuition Fee
M.A.	Politics (China's Politics and Economy)	English	2 Years	50,000 RMB/ Year
	Public Administration (China's Public Policy)	English	2 Years	50,000 RMB/ Year
	Politics	Chinese	2.5 Years	28,900 RMB/ Year
	Public Administration	Chinese	2.5 Years	28,900 RMB/ Year
Ph. D.	Public Administration	Chinese/English	4 Years	45,500 RMB/ Year

Scholarship opportunities are available. (see more at www.sipa.sjtu.edu.cn)

Research Collaboration

SIPA faculty are active researchers, with works appearing in top-ranked international and national academic presses as well as Chinese and English-language scholarly journals such as Chinese Social Science, Public Administration Review, Asian Survey, and International Organization. Over the past five years, SIPA faculty have published more than 60 authored, co-authored, and edited books, around 500 articles in SSCI, CSSCI, EI, and A&HCI indexed journals, not to mention innumerable research reports and conference papers. Two journals, Social Science Research and Urban Governance Research, were started in 2015 and 2017 respectively.

With focus on city governance and empirical research, SIPA established the China Institute for Urban Governance in cooperation with the Development Research Center of Shanghai Municipal People's Government in 2016.

Many high-level symposiums are held at SIPA each year. The Global Cities Forum, Consulars' Forum and Deans` Forum for Public Policy/Affairs were successfully organized.

International Cooperation

SIPA has been actively engaged in international cooperation while focusing on China's realities. We have signed cooperation agreements with over 30 world-renowned universities so far, including Harvard University, Waseda University, Monash University and the Hebrew University of Jerusalem.

SIPA at a Glance

- Excellence: SIPA's Public Administration program is rated as a Type A discipline by the PRC Ministry of Education in 2017.
- Professionalization: >600 MPA program students.
- Internationalization: Over 45% of our faculty members possess a PhD degree from overseas institutions; >200 international B.A., M.A., and Ph.D. students; >30 global academic and research partners.
- Research oriented: 20 research bases and centers.
- Premier location: Situated in downtown Shanghai, Xu Jiahui, one of the most vibrant cities in the world with easy access to all of East Asia.

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Useful website:
Online application: http://isc.sjtu.edu.cn/EN/Default.aspx
MA Program: http://www.cpe.sjtu.edu.cn
SIPA: http://www.sipa.sjtu.edu.cn
SJTU: http://www.sjtu.edu.cn

上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

School of Foreign Languages

Introduction

The School of Foreign Languages consists of Department of English, Department of Japanese, Department of German, Department of Translation. SFL boasts a contingent of high caliber faculty working in these departments. Its brilliant and talented faculty members are actively engaged in a wide array of research fields including theoretical and applied linguistics, second language acquisition, English and American literature, Australian literature, translation studies, to name but a few. Their works appear in distinguished international journals as well as in books published by leading academic presses.

The dedicated faculty seeks to achieve the highest standards of teaching and learning in humanities and social sciences with emphasis on critical and creative thinking, to serve the needs of the society by enhancing its intellectual life and contributing to the development of the nation. Of its 70 plus professors and associate professors, 15 are advisors for Ph.D. candidates and 40 are advisors for MA candidates known for their innovative teaching and award-winning research.

Following SJTU's fine tradition of intellectual excellence and critical enquiry, SFL is committed to providing a learning and teaching experience of the highest quality for its students, who are taught and guided by inspiring academics, making its graduates highly sought after by employers in various sectors.

Programs	Linguistics	English Literature	Translation Studies
Doctoral Programs	Theoretical Linguistics: Syntax, Semantics, Pragmatics, Morphology; Second Language Acquisition; Language Testing; Psycholinguistics; Corpus Linguistics; Neurolinguistics; Discourse Analysis; Forensic Linguistics	British and American Literature, Narratology, Western Literary Theories, Comparative Literature, Literary Criticism, Translation of Literature, Contemporary English Novels, and the Ancient Greek and Roman Poetics	Translation Studies, Corpus-based Translation Studies and Language Contact, Poetic Translation, Cognition in Translation, Trans-hermeneutics and Bilingual Lexicography, Modern Fiction
Master programs	Theoretical Linguistics: Syntax, Semantics, Pragmatics, Morphology; Second Language Acquisition, Language Testing; Psycholinguistics; Corpus Linguistics; Neurolinguistics; Discourse Analysis; Forensic Linguistics	British and American Literature, Narratology, Western Literary Theories, Comparative Literature, Literary Criticism, Translation of Literature, Contemporary English Novels, and the Ancient Greek and Roman Poetics	Translation Studies, Corpus-based Translation Studies and Language Contact, Poetic Translation, Cognition in Translation, Trans-hermeneutics and Bilingual Lexicography, Modern Fiction

Achievements

上海交通大学
SHANGHAI JIAO TONG UNIVERSITY

Since 2009, School of Foreign Languages has achieved a substantial rise in the number of published journal papers. More than 450 papers have been published on CSSCI. More than 200 papers were published on A&HCI and SSCI. Some papers won municipal and national prizes of Philosophy and Social Sciences.

During that period of time, the School of Foreign Languages set up a Language Cognition Lab, a comprehensive base for the empirical research in Linguistics, Literature, and Translation. The School had reached an international cooperation agreement with the Translation and Cross-Cultural Studies Center, University of Manchester, UK and the Language Cognition Lab, University of Minnesota, USA. It collaborated with the Central Compilation and Translation Bureau in setting up the Research Center of Translation and Circulation of Marxism in China and the west. The center was classified as one of the specially funded research base of humanities, SJTU. The School set up the Research Institute of Corpus and Cross-Cultural Strategy by integrating research teams of Corpus Linguistics, Corpus-Based Translation Studies, Second Language Acquisition, Functional Linguistics, and British and American Literature. By combining the various resources, the center aims at promoting academic projects and encouraging academic publications. With its excellent achievements, the center hopes it can contribute to the advancement of the School of Foreign Languages, the state, municipal government, and the Chinese society.

Renowned Professors

Linguistics

Name	Research Interest
Yan Jin	Language Testing
Hongwei Ding	Cross-linguistic Studies, Phonetics, Prosody, and Speech Synthesis
Bingjun Yang	Systemic Functional Linguistics and Translation Studies
Zhenhua Wang	Systemic-functional Linguistics, Discourse Semantics, Language and Law, Courtroom Discourse, Language of Education, Language of Evaluation
Hui Chang	Second Language Acquisition and L2 Chinese Syntax
Zheng Xu	Morphology and its Interfaces, Word Formation, and Chinese Linguistics
Xu Xu	Cognitive Linguistics, Concept Representation, and Individual Differences in Language Processing
Fuyun Wu	Psycholinguistics, Second Language Acquisition, Adult Sentence Processing

English Literature

Name	Research Interest
Qinglong Peng	English Literature, Translation, Applied Linguistics
Biwu Shang	Narratology, Ethical Literary Criticism, Contemporary British and American Literature
Weiwen He	Early Modern English Literary Criticism, Contemporary English Novels, and the Ancient Greek and Roman Poetics
Feng Yang	Comparative Literature, Translation Studies and Applied Linguistics
Xiaofei Wei	British and American Literature, Jewish American Literature, History of American Civilization
Laurent Milesi	Modernist and Post-modernist Literature, Critical and Cultural Theory (deconstruction, post-structuralism, postmodernism, posthumanism), Digital Theory, Game Studies, Translation Theory, Genetic Criticism
Lanlan Du	Comparative Literature; Feminist Theory and Criticism; Contemporary English Fiction

Translation Studies

Name	Research Interest
Kaibao Hu	Translation Studies, Corpus-based Translation Studies and Language Contact
Huawen Liu	Poetic Translation, Cognition in Translation, Trans-hermeneutics and Bilingual Lexicography
Jing Yu	Translation Studies, Literary Translation Studies and Translation History
Arleen Ionescu	Modernist Fiction, Comparative Literature, Critical and Cultural Theory (memory and trauma studies), Holocaust Studies, Translation Theory, Humanities Research Evaluation
Yifan Zhu	Translation and Contrastive Linguistics, Corpus-based Translation Studies, Translation and Intercultural Studies

Platforms for Scientific Innovation

> Center for Cross-Linguistic Processing and Language Cognition
> Martin Centre for Appliable Linguistics
> Baker Centre for Translation and Intercultural Studies
> Institute of Corpora and Intercultural Studies
> Center for Australian Studies
> Center for Multicultural Studies and Comparative Literature
> Editorial Office of Contemporary Foreign Languages Studies
> Centre for Creative Writing and Literary Translation and Culture
> Research Center for the Global Image of China
> Speech-Language-Hearing Center
> Mobile Post-doctoral Stations

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上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

Introduction of SAB, SJTU

Established in 1959, School of Agriculture and Biology was formerly known as Shanghai Agriculture College. In September 1999, Shanghai Agriculture College, with 40 years of history, was incorporated into Shanghai Jiao Tong University (SJTU) and thus became the School of Agriculture and Biology (SAB).

SAB consists of 4 departments, namely the Department of Plant Science, Department Animal Science, Department of Resources & Environment, and Department of Food Science & Engineering, and a number of academic and research centers.

SAB has 227 full-time faculty members, among whom there are 55 professors/researchers, 61 associate professors/researchers. Till September of 2019, SAB has 1034 full-time students, including 498 undergraduate students, 536 postgraduate students (including 214 PhD candidates), among whom 53 are international students.

SAB 2020 Doctor Degree Programs in English for International Students

Doctor Degree Programs

SAB has 4 Doctor Degree Programs in English, as:
Doctoral Degree Program in Ecology (071300)
Doctor Degree Program in Ecology（Animal Science and Engineering）（0713J5）
Doctor Degree Program in Horticulture（090200）
Doctor Degree Program in Horticulture（Food Safety and Nutrition）（0902J4）

Program Requirements

1. Study Duration

The study duration of full-time Doctor Degree Programs is generally 4 years. PhD students can extend their study period by 1 to 2 years after applying for approval. There is no any correlation between extension of graduate date and scholarship.

2. Curriculum and Credits

PhD students are required to achieve at least 16 credits in total.

3. Academic Papers

PhD students should reach the school and college academic papers published requirements set by SJTU. Before participating in the dissertation defense, at least 2 first-author or SJTU as first unit papers should be published or accepted by SCI-included journals.

4. Dissertation

The dissertation should focus on the research field and meet the requirements as follows: innovative research subject, reasonable experiment design, advanced methods, reliable data, clear structures and in-depth discussion. The PhD dissertation defense will be organized and reviewed according to the rules of SJTU Postgraduate Dissertation Defense and Degree Application.

Scholarship

上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

International Students can apply for scholarship granted by CSC, Shanghai Municipal Government, or Shanghai Jiao Tong University. The scholarship will be given after the candidates' materials are reviewed as qualified. The scholarship types and their coverage are:

Type	Duration	Support	Coverage
I	4 Years	RMB 120,000+/Year	Monthly stipend (RMB 5,000/Month) Tuition (RMB 45,500/Year) Health Insurance Accommodation allowance (RMB 1,5000/Month)
II	4 Years	RMB 110,000+/Year	Monthly stipend (RMB 5,000/Month) Tuition (RMB 45,500/Year) Health Insurance Accommodation allowance (RMB 1,5000/Month)
III	4 Years	RMB 90,000+/Year	Monthly stipend (RMB 5,000/Month) Tuition (RMB 45,500/Year) Health Insurance Accommodation allowance (RMB 1,5000/Month)

Application Process

1. Eligibility

The general requirements should be satisfied before applying for SJTU International Doctor Degree Program are as follows:

1) Non-Chinese citizen;
2) Not registered in SJTU at the degree level aiming to apply for;
3) Good health both physically and mentally;
4) Outstanding academic performance and potential;
5) Master's degree or equivalent for doctoral program applicants. The degree must be ready prior to the registration day;
6) Demonstrated proficiency in English for programs taught in English:
IELTS: ≥ 6; or
TOEFL: ≥ 575 PBT, ≥ 90 iBT; or
Requirement waived only if you meet one of the following criteria:
★ You are a native English speaker.
★ You attended a four-year undergraduate program in the United States, UK, Ireland, Canada, Australia, New Zealand, Singapore, Hong Kong and are a graduate of that program.

2. Important Dates and Deadlines

Oct 01, 2019: Start of Application
Dec 15, 2019: Deadline for scholarship application
Mar 31, 2020: Deadline for scholarship application
Sep, 2020: Registration (Exact date TBD).

3. How to Apply

Step 1: Complete the Online Application
Complete and submit an online application at Study@SJTU (http://apply.sjtu.edu.cn/) by the application deadline.
Step 2: Pay the Application Fee
The application fee is RMB 800 or USD 120, non-refundable and non-transferable. Payment must be made using RMB or USD. You can choose online payment or bank transfer in the online application system.

4. Documents to Prepare

1) Degree certificates: Must be the scanned file of your original certificates. Students who have not graduated by the time of application are required to provide an official letter from your university stating the expected graduation date.
2) Transcripts: Must be the scanned file of your original transcripts.
3) Language proficiency certificate and score report.
4) A scanned copy of your passport.
5) Passport-size photo.
6) Personal statement and study plan.
7) Two recommendation letters from associate professors or scholars with higher academic titles. (Reference information such as the referees, phone number and email address must be included.)
8) Conditional Offer given by SAB associate professors or scholars with higher academic titles.
Note: If your documents are not in English or Chinese, please have them translated into either English or Chinese by an authorized translation agency. After this please upload both the translated and original documents onto our application system.

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上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

Introduction

The School of Environmental Science and Engineering (SESE) was established in September, 1999. From then on, SESE has a thought of structuring public environment-friendly base aimed at improving our surroundings. The faculty, students and alumni of SESE have been always putting the effort on it. The discipline of Environment and Ecology was ranked among the top 1% globally since 2011. The discipline of Environmental Science has been ranked among the top 100 (from 51 to 100) by QS since 2012.

SESE has a high-level education and research team with a multi-disciplinary background of science, engineering, and management. All the faculty members hold doctorate degree and over 80% of current faculty members have at least one year overseas study experiences.

Tracing international frontiers and addressing the needs of China's national strategies, 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, soil-underground water contamination repair and restoration, environmental functional materials, resource and environmental management and climate change policies, etc.

Meanwhile, with extensive international cooperation and exchange, SESE has carried forward strategic partnership with world top universities and institutes of different states.

School of Environmental Science and Engineering

Subject Fields	Research Contents
Water Pollution Control and Environmental Modeling in River Basin	Lake and Reservoir Eutrophication Control; Migration, Transformation and Modeling of Emerging Contaminants in Water Environment; Point Source Pollution Control and Resource Utilization.
Air Pollution Control and Regional Air Quality Modeling	Platform for Simulation of Air Pollution Monitoring and Coordinating Control Technology; Composite Air Pollution and Climate Change, Innovate the Research Method of Air Quality Simulation, Evaluation and Early Warning System.
Solid Waste Treatment and Resource Recovery	E-waste Treatment and Recycling; Sludge Treatment and Disposal; Landfill Processing and Organic Waste Resources Recovery through Hydro-thermal Reaction.
Soil and Ground-water Contamination Reclamation	Soil and Groundwater Contamination Remediation; Modeling and Polluting Remediation of Groundwater; Biologically-based C Sequestration and its Eco-environmental Effect; Marine Environment Monitoring and Assessment.
Environmental Functional Materials	Photocatalystic and Photoelectrocatalytic Degradation of Organic Pollutants; Noise Pollution Control and Equipment Research; Electrocatalysis Pollution Control; Energy Technology and Functional Materials; Pollutants Separation Adsorption Material, Environment Conscious Materials.
Resource and Environmental Management and Climate Change Mitigation	Regional Circular Economy Model; Eco-industrial Park Design and Management; Regional Resource Accounting and Efficiency Evaluation; Waste Management; Regional Energy Management and Climate Change Mitigation Policies.
Clean and Renewable Energy	CO_2 Conversion, Conversion and Utilization of Biomass and Waste; Photocatalytic Materials Synthesis; Novel Solar Cell Preparation, Electrochemical Energy Storage Materials.
Novel Environmental Contaminants Identification	Sources Identification and Behaviors Evaluation of Environmental Contaminants; Effects of Environmental Contaminants on Human Health; Environmental Biotechnology; Environmental Toxicology.

Achievements

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SESE has been involved in many important environmental strategic decisions and events with significant achievements. Our research outcomes have made great contributions to protecting Erhai river basin, treating wastewater with higher organic concentrations, and recovering valuable metals from waste electronic and electric equipment. These achievements provide technological support to solve China's major environmental issues and promote the country's sustainable development, receiving national leaders' confirmation and appraisals. For instance, both President XI Jinping and Premier LI Keqiang highly commented our water project in Erhai.

In 2018, SESE has published 173 SCI papers in many leading journals, including PNAS, Environmental Science & Technology, Journal of Hazardous Material, Water Research, Applied Energy, etc.

The collaboration on palm oil mill effluent zero discharge treatment system has been verified successfully and effectively, which was awarded Palm Oil Industry Award and Sustainable Technology Award by IChemE, and 2015 Frost & Sullivan Malaysia Excellence Awards by Malaysia, International Diamond Prize for Excellence in Quality 2015 by European Society for Quality Research. NRF CREATE (Campus for Research Excellence and Technological Enterprise) program, in collaboration with the National University of Singapore to work on Energy and Environmental Sustainability Solutions for Megacities (E2S2), makes incredible progress which contributes to SESE's fame.

Platforms

Shanghai Key Laboratory of Environmental Protection Big Data & Intelligent Decision Making
State Engineering Center for Environment Protection on Waste Electrical & Electronic Products Recycling and Disposal
SJTU-Yunnan Research Institute
STJU-Malaysia Palm Oil Bureau Joint R&D Collaboration Center
SJTU-National University of Singapore Joint Research Centre for Environment and Water
SJTU- Shanghai Xin Jinqiao Environmental Protection Co., Ltd. Industrial Waste Recycling Joint Research Center
Shanghai E-Waste Recycling and Assessment Engineering Research Center
SJTU-Jiangsu Utilization of Waste Household Appliances Research Center
SJTU Environment Protection Equipment Collaborative Innovation Center
SJTU Nano-Environmental Technology Research Center
SJTU- Zhejiang Institute of Marine Aquaculture Joint Lab for Ecological Recovery and Blue Carbon in Littoral Zone
Union of Safeguarding Safe Drinking Water in Shanghai
SJTU-Shanghai Laogang Wastes Disposal Research and Education Base

Renowned Professors

Cao Xinde	Shen Zhemin
Cheng Jinping	Sun Tonghua
Cheng Zhen	Wang Fu
Dong Huijuan	Wang Tianfu
Geng Yong	Wang Xinze
Huang Jungchen	Wu Deyi
He Yiliang	Xiao Huayun
He Shengbing	Xu Zhenming
Jin Fangming	Xu Xiaoyun
Jin Qiang	Yan Naiqiang
Jia Jinping	Yuan Tao
Li Liang	Zhao Yanbin
Liu Jingyu	Zhang Kun
Li Jinhua	Zhong Heng
Long Mingce	Zhao Yue
Lou Ziyang	Zhang Bo
Qiu Hao	Zhao Yixin
Qian Xufang	Zhan Lu
Qu Zan	Zhao Ling
Shen Yanwen	Zhou Baoxue
Shao Jiahui	Zhu Nanwen

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上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

School of Pharmacy

Introduction

The School of Pharmacy has a primary mission in educating and training the next generation of specialists in pharmaceutical sciences. The School has built a strong research and teaching faculty with international training background and is one of the national fastest growing pharmacy schools within multi-disciplinary universities. The School is authorized by the Ministry of Education (MoE) to award Bachelor, Master and Doctoral degrees in Pharmaceutical Sciences. There is also a MoE-approved postdoctoral training base. The School is ranked A Level in China by the MoE based upon the overall performance in pharmaceutical sciences.

The School of Pharmacy offers opportunities for graduate study in a wide range of contemporary areas of pharmaceutical sciences, including Medicinal Chemistry, Chemical Biology, Pharmacognosy, Pharmacology, Pharmaceutics and Biopharmaceutical Engineering. In many instances, faculty members collaborate with colleagues in pharmacy and other disciplines on research problems.

Majors	Supervisors	Contact Information
Pharmacology	JING Lili ZHAO Bo QIAN Feng	lilijing@sjtu.edu.cn bozhao@sjtu.edu.cn fengqian@sjtu.edu.cn
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Medicinal Chemistry	LIU Delong SUN Zhankui ZHOU Huchen	dlliu@sjtu.edu.cn zksun@sjtu.edu.cn hczhou@sjtu.edu.cn
Microbial and Biochemical Pharmacy	CHEN Daijie LU Huili ZHANG Baohong ZHU Jianwei	hccb001@163.com roadeer@sjtu.edu.cn bhzhang@sjtu.edu.cn jianweiz@sjtu.edu.cn
Pharmacognosy	JIN Huizi LI Xiaobo QIU Mingfeng	kimhz@sjtu.edu.cn xbli@sjtu.edu.cn mfqiu@sjtu.edu.cn

上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

Doctoral Degree Program of Pharmaceutical Science

Graduate study stresses the unique needs of the students. Basic course and examination requirements are deliberately kept to a minimum, so that each candidates can maximum the flexibility in fulfilling individual research interests. Graduate students are usually engaged in research by the second semester of their first year.

Due to the confidence the School has in its selection of candidates for admission to international graduate study, no comprehensive examinations are required. The only formal test requirement for incoming international students is to display proficiency and breadth in pharmacy at the level of a traditional advanced undergraduate curriculum. Before the Fall semester, a set of qualifying examinations is taken by the incoming class of international graduate students. If there are any deficiencies identified, an additional opportunity to pass the examinations is offered before the start of Spring semester. As soon as all qualifying examinations are passed, possible research problems are discussed with individual faculty members. Subsequent course work and other requirements are largely determined by the student and research advisor(s). A student may pursue the degree of Doctoral of Medicine through a customized balance of coursework, directed research and thesis research. Core curriculum in international graduate program includes Principles of Medicinal Chemistry, Introduction of Pharmaceutics, New Technologies in Drug Discovery, Pharmacology Guide, Biotechnology: Basic Concepts and Techniques, and Presenting Science.

The School is making efforts to enhance and expand its international collaboration and exchange programs. In recent years, we have actively hosted and sponsored influential international conferences to broaden our international vision. We have also established extensive research collaboration and scholar exchange with many world famous institutions and pharmaceutical companies, such as Stanford University, Cambridge University, Imperial College of Science and Technology, Chinese University of Hong Kong, University of Michigan, University of Illinois, National Cancer Institute (USA), Zengen Inc., BioPharm Solutions Inc., F.Hoffmann-La Roche Ltd, DSD Corporation Limited, Genzyme Corporation, Nippon Chemical Industrial Co., Ltd. (Japan), Pfizer Inc.(USA), Jeju Provincial Development (Korea), BioPharm Solutions Inc. (USA), and Genzyme Corporation (USA).

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上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

Introduction

The history of the Law School of SJTU can be traced back to the Teaching and Research Department of Law, which was established in 1986. In 1996, the Law Department was established, which acquired the right to confer Master Degree in Law in 1998. The Law School was established on June 8, 2002. The international programs at KoGuan Law School were launched at the end of 2009 and functioned as a catalyst for internationalization of legal education.

The goal of international programs at KoGuan Law School is for domestic law students to bring home international knowledge through overseas study experiences, and for international students and legal professionals to gain fundamental knowledge in Chinese law.

The School determined to build an institution that promotes both broad and deep internationalization of the legal education. We will expand the international dimensions of the curriculum, increase the opportunities for study and research abroad, and enhance the interactions between international and Chinese students and scholars. Our international reach is aided by collaboration with foreign educational institutes all over the world.

Currently, the international programs at KoGuan Law School include the S.J.D. Program, the LL.M. Program, the Summer Programs in Chinese Law, the visiting scholars/students program, and student exchange programs.

KoGuan Law School

Subject Fields	Research Contents
Law and Society	Study of Competition of Different Institutions, Law in the Risk Society, Judicial Reform, Legal Profession and Legal Ethics, Law and Economics, Law and Culture, Legal Anthropology, Law and Development, Law and Psychology, etc.
Oceans Law and Policy	Analyze and Explain Rules of Domestic and International Oceans Law, Plan Strategies for the Development of Ocean Economy and Technology, Design Marine Environmental Protection Construction Projects, etc.
International Law	Private International Law, International Commercial Arbitration, International Financial Law, Law and Economics, etc.
Intellectual Property	Computer Science and Laws (especially Intellectual Property Law, Science and Technology Law, etc.
Economic Law	All Issues Relating to Economic Law - with a focus on the General Theory of Economic Law, Competition Law, Tax Law, Financial Law, etc.
Competition Law and Policy	Research, and enforcement of Competition Law and Policy, etc.
Human Right & Humanitarian Law	Constitutionalism and Human Rights, International Human Rights, International Humanitarian Law, Selected Human Rights, Chinese Human Rights and Labor Issues, IHL Moot Court, etc.
Constitutional and Administrative Law	Legal Framework for Regional Cooperation, Urbanization and Law, City Planning Law, Legislation, Anti-discrimination Law,etc.

Achievements

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SHANGHAI JIAO TONG UNIVERSITY

On June 8, 2002, the School was established with an initial endowment of 25 million RMB. The School acquired the authority to offer first-rank master degree in Law and J.M. Degree in later years. In January 2009, in the third National Ranking of Academic Disciplines published by the Degree and Graduate Education Development Center of the Ministry of Justice, the School was raked the 10th in the general ranking of law. The first special class in law in the School was launched in September 2010, which marked the beginning of the reforms for training high-level legal professionals.

In 2012, the School was enlisted as outstanding legal education institution by both the Ministry of Education of the national government, and the Shanghai Municipal Government. Since 2012, the School has been placed as top 100 law schools by the QS World University Rankings for three consecutive years. In 2013, the National Maritime Strategy and Interest Research Center was accredited as Leading Think Tank by the Shanghai Municipal Government.

Also in September 2010, the English LL.M. Program in Chinese Law was launched successfully. It was a solid step for the internationalization of legal education of the School. To train international-orientated and excellent legal talents, the English courses in the School were also offered to domestic students. The School has signed collaborating agreements with several distinguished law schools in the United States, Europe, and Japan to send students to study and visit there.

To further increase the quality of teaching and strengthen academic research, the School is actively setting up high-end academic platforms and establishing a number of interdisciplinary research institutes directed toward specific issues in frontier areas of law, such as Risk Society and Rule of Law, State Ocean Strategy, Finance and Judiciary, Competitive Order of Investment and Trade, Medical Law, and IP Protection of Cyberspace. The Law School is seeking to strengthen teamwork and international academic collaboration.

Renowned Professors

Name	Research Interests
LIN Yan	Constitutional and Administrative Law
ZHU Mang	Constitutional and Administrative Law
YE Bifeng	Constitutional and Administrative Law
XU Donggen	International Law
HU Jiaxiang	International Law
XU Xiaobing	International Law
SHOU Bu	Intellectual Property
LIU Yongpei	Intellectual Property
HU Binbin	Intellectual Property
WANG Xianlin	Economic Law
LI Jian	Competition Law and Policy
HOU Liyang	Competition Law and Policy
SUN Weiping	Human Rights and Humanitarian Law
LI Xueyao	Human Rights and Humanitarian Law
HU Jiaxiang	International Law
SHEN Wei	International Law

Contact

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上海交通大学
SHANGHAI JIAO TONG UNIVERSITY

Introduction

Established in 2002, School of Media and Communication (SMC) at Shanghai Jiao Tong University consists of three departments, including Journalism & Communication, Film & Television, and Cultural Industry Management. It offers a series of undergraduate, master, and doctoral programs in these fields. Currently, SMC has 400 undergraduates, 200 master students, and 100 doctoral students. Our journalism and communication major ranks top 5 in China, and was in top 100 of the QS World University Rankings by Subject in both 2012 and 2014.

School of Media and Communication

Programs	Core Courses
M.A. in Journalism and Communication: New Media Studies (taught in English)	History & Theory of New Media, New Media Research Methods, Advanced Topics in New Media Studies, New Media Applications in Business
Ph.D. in Journalism and Communication : New Media Studies (taught in English)	History & Theory of New Media, New Media Research Methods, Advanced Topics in New Media Studies, Readings in Experiment Research, Brand Management and Communication
M.A. in Journalism and Communication (taught in Chinese)	History of Journalism & Communication, Communication Research Methods, Computational Journalism, Public Opinion, News Reporting, Cyberspace Governance
Ph.D. in Journalism and Communication (taught in Chinese)	Communication Theories, Communication Research Methods, Media Economics and Management, Cultural Industry and Policy

Achievements

上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

International Students:
There are currently 287 international students in the school. Among them 109 are master or doctoral students who come from 58 countries including the U.S., the U.K., Russia, France, Egypt, Thailand, Sweden and etc., covering five continents of the world. Some international students even graduated from world prestigious universities like University of Chicago, University College London, University of South California, Moscow State University and University of California-Los Angeles.

Publications and Research Projects:
In the past five years, more than 200 journal articles and 150 books have been published in Chinese or English. In addition SMC faculty currently holds 7 Key National Social Science Projects and more than 11 regular National Science Projects granted by the Central Government, plus 28 ministry-level research projects, with a total funding of around 15 million RMB.

Academic Ranking:
Our Journalism and Communication discipline was in top 100 of QS World University Rankings by Subject in 2012 and 2014 as well as in top 10 of Chinese Ministry of Education national ranking by subject in 2015.

Renowned Professors

Name	Research Interests
Alexander IVANOV	Innovative Interfaces for Group Collaboration; Cultural Psychology and Theories of Motivation; Advertising
Michel DUPAGNE	New Communication Technologies, Media Economics, and International Communication
GE Yan	Media Psychology, Data Mining, Experimental Studies, Art and archaeology
Kanni HUANG	Environmental Journalism and Climate Change Information
HU Huilin	Cultural Industry Policy, National Cultural Security
JIANG Jinzhang	Media Management, Knowledge Management
LI Benqian	Media Economics & Management, Computational Communication
LING Jinzhu	Cultural System, Public Cultural Policy, Cultural Industry and Copyright
LIU Shilin	Aesthetics, Chinese Poetics, Urban Culture Studies
SHAO Guosong	Internet Politics, Internet Law
SHAN Shilian	History of Aesthetics, History of Cultural Ideology
TONG Qingyan	Media Management, Creative Industries, Communication Theory
XIE Jinwen	Journalism, Communication Media
XIE Yungeng	Public Opinion, Crisis Management
XUE Ke	Branding Communication, Interpersonal Communication, Advertising & Public Relations
YAO Junxi	Communication Theory, Visual Communication, Development Communication
YAO Xinbao	Journalism Theory and Practice, Media Development Strategy Public Relations
ZHANG Guoliang	Communication Theory, Empirical Studies, International Communication

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上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

Introduction

The USC-SJTU Institute of Cultural and Creative Industry (ICCI) is the outcome of the strong partnership between University of Southern California (USC) and Shanghai Jiao Tong University (SJTU) that was forged more than a decade ago. As a joint institute between USC and SJTU, ICCI will draw high quality resources from both mother universities in fields of cultural industry to ensure that it will be a true innovator in delivering top class education, research, training, and social services focused on culture-related industries, as well as an interdisciplinary platform for diverse international cooperation and industrial collaboration.

Currently ICCI sets up a professional Master Degree Program for the major of Cultural and Creative Industry Management. This program aims to integrate the resources of the two universities and develop future interdisciplinary talents in the practical management of culture-and-creative-related industries through teaching basic theories and methods in economics, management, and culture.

The program lasts for two and half years. On completion of the required SJTU courses and thesis, and the payment of tuition and fees, the students will be awarded the Master Degree of Journalism and Communication by SJTU. On successful completion of the required courses of USC and the payment of USC tuition and fees, the students will be awarded the degree of Master of Management Studies (M.M.S.) by USC.

USC-SJTU Institute of Cultural and Creative Industry (ICCI)

Cultivation Characteristics

As a problem solving and programs oriented school, ICCI would integrate global resources and form new course systems and educational programs based on the industry's value chain instead of traditional majors and disciplines. The supervisor group system consists of academic supervisors, industrial supervisors and international supervisors. Students in their two and half years' study would have internship chances in well-known culture-related companies, including new media, art, finance, film, network and many others.

Faculty

上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

ICCI has attracted outstanding scholars and researchers to teach at SJTU campus, including Professor John Hartley, founder of the ARC Center of Excellence for Creative Industries and Innovation and Director of the Center of Cultural and Science Technology Center at Curtin University, Professor Titus Levi, the former faculty from University of Southern California and Hong Kong Baptist University, Professor Bin Zhou, Chairman, United Association of Calligraphy, NGO Associated with the United Nations Department of Public Association, the instructor of Chinese Calligraphy of the former UN Secretary-General Ban Ki-moon.

Renowned Professors

Name	Research Interests
Baizhu CHEN	Finance
David CRAIG	Entertainment Industries Studies
Shantanu DUTTA	Marketing
Yan GE	Communication Behavior
John HARTLEY	Creative Industries Studies
Wenshing HO	Raw Metadata Recording Technology
Ben LEE	Organizational Communication
Titus LEVI	Media Economics, Industrial Organizaion
Francis PEREIRA	Clinical Information and Operations Management
Sunghan RYU	IT Innovation in Cultural and Creative Industry
Sha YANG	Marketing
Kai YU	Technological Audio Content Analysis and Application
Mingyang YU	Brand Strategy and Public Relations
Bin ZHOU	Chinese Calligraphy Creation

Platforms for Scientific Innovation

ICCI is devoted to becoming the innovation leader for teaching, research, and social services in culture-related industries. The ICCI New Media Management Research Center has been founded to integrate resources from USC and other international collaborative institutions, as well as industry partners. Other centers, including the Cultural Industry Creativity, Innovation and Entrepreneurship Research Center, Special Effects, Animation and New Media Technology Engineering Research Center, and Cultural Industry Development Strategy Research Center are also underway.

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上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

Introduction

The UM-SJTU Joint Institute (JI) was jointly established by **Shanghai Jiao Tong University** and the **University of Michigan** in 2006. It is located in Shanghai, China. The goal of this partnership is to build a world-class teaching and research institute in China for nurturing innovative leaders with global visions.

The joint institute upholds a unique educational philosophy of "Internationalization, Interdisciplinarity, Innovation, Quality". Over the past decade, JI has explored an effective approach to build a world-class institute in China and shaped a famous set of development models through fusing the Sino-US educational philosophy and characteristics.

As a successful example of international education cooperation, JI has been at the forefront of China's higher education reform. All courses are taught in English by world-class faculty recruited from global leading universities. Students not only acquire knowledge of their academic fields but also gain soft skills, such as creativity, teamwork, communication, and leadership. We also provide students with abundant opportunities to study abroad at our partner universities around the world.

UM-SJTU Joint Institute

Majors	Research discipline group
Mechanics	> Design, Manufacturing, and Systems
Mechanical Engineering	> Solid Mechanics
Power Engineering and Engineering Thermophysics	> Thermal Fluids > Material Science & Engineering
Electronic Science and Technology	> Circuits and Devices
Information and Communication Engineering	> Electromagnetics, Optics, and Photonics > Communications, Signal Processing, and Control
Control Science and Engineering	> Computer Science and Engineering
Computer Science and Technology	

JOINT INSTITUTE
交大密西根学院

Graduate Program

JI is characterized by a multi-cultural atmosphere: many international students, faculty, and staff create a unique environment that fosters international education and cooperation. Graduate students are encouraged to participate in international conferences, short-term study abroad programs, and multi-national research projects. The academic requirements are similar to those found at major U.S. universities.

Ph.D. Program

JI's Ph.D. program promotes cutting-edge research and emphasizes disruptive technologies with paradigm-shifting approaches. It seeks collaboration with research projects sponsored by government and industry to achieve international impact. It also encourages international exchange through short-term study abroad programs or international conferences.

Master Program

JI's master program provides rigorous science and engineering education in breadth and depth which serves as a base for developing students' abilities to conduct research in various engineering fields.

First-Class Faculty

JI adopts the tenure system and its faculty appointment, assessment and promotion are all conducted with reference to the requirements of the first-class university in the U.S. During the past thirteen years, a large number of professors, doctors, and post-doctors, from top universities and research institutes around the world, have come to apply for faculty and research positions in JI every year. There are more than 50 incumbent faculty members, of whom 100% engineering faculty obtained Ph.D degrees from world-class universities.

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Distinctions & Partners

JI's unique academic environment allows the faculty, visiting scholars, and students to keep up with the frontiers of technology. The location of the Shanghai Jiao Tong University Minhang Campus provides a strong potential for JI's graduate students to apply their research to solve real world problems. The campus sits nearby Zizhu National Hi-Tech Industrial Development Zone which was listed as the municipal-level hi-tech industrial development zones by the State Development and Reform Commission.
The leading industries of the zone consist of microelectronic technology, software technology and digital media technology, including well-known multinational companies such as Intel, Microsoft, Coca-Cola, Yamaha, Omron, Shanghai First Aircraft Technology, National Tissue Engineering Center and Shanghai Clean Energy Research Center.

JOINT INSTITUTE
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上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

No.1 Master of Finance Program in Asia

Shanghai Advanced Institute of Finance (SAIF) was established within Shanghai Jiao Tong University (SJTU) in April 2009, with strategic and financial support from the Shanghai Municipal Government. SAIF is AACSB accredited and is recognized internationally as one of the top business schools in the world. The Master of Finance (MF) program has been the flagship program at SAIF since its inception in the Autumn of 2009. SAIF's MF program was ranked No.1 in Asia and No.10 globally by the Financial Times in 2018. Currently, SAIF MF stands as one of the most prestigious finance programs in Asia. Building on the success of our current MF program, SAIF is launching a new track — the MF-FinTech Program. In addition to core courses in finance, MF-FinTech emphasizes rigorous training in statistics & machine learning, computer skills & applications.

Ranked **No.1** in Asia
No.10 Globally
by Financial Times in 2018

FT FINANCIAL TIMES

AACSB ACCREDITED

SAIF Master of Finance Program

Student Journey

Two-Year English Program

HARD SKILLS	• Academic • Compulsory Courses	• Restricted Electives • Free Electives
SOFT SKILLS	• ELSA Course • Student Activities	• Charity Events • MF Union
PRACTICE	• LIVE Learning • Industry Sharing	
INTERNATIONAL EXPOSURE	• Student Exchange • Dual-Admissions Program	
CAREER DEVELOPMENT	• Workshops • Mentor Program • Counseling	• Resume Writing • Interview Skills Coaching • Job Posting

Why SAIF MF?

上海交通大学 SHANGHAI JIAO TONG UNIVERSITY

Faculty

The key to SAIF's development and success lies in its faculty. The current faculty team consists of 32 full-time professors and 34 special-tem professors. All hold Ph.D. degrees from top overseas universities with extensive teaching experience and strong research expertise.

Curriculum Design

Principles of Finance
Principles of Accounting
Corporate Finance
Financial Markets
Financial Engineering
Derivative Securities
Fixed Income Securities
Machine Learning: Fundamental/Method/Applications
Financial Mathematics
Quantitative Analysis and Modeling
C++ Programming for FinTech
Introduction to Database and Applications
Block Chain: Principles and Applications in Finance
Cloud Computing Platform

*Partial list of the courses from both General Master of Finance Track and MF-FinTech Track.

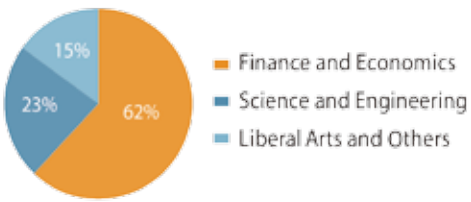
Student Profile

Total number of admitted students: 557 (MF2009-2018)

International students from 32 different universities in 13 countries, including

- Harvard College
- McGill University
- Ecole Centrale de Lyon
- London School of Economics and Political Science
- University of Chicago
- University of British Columbia
- Ecole Centrale Paris
- University of San Diego
- ... ...

MF 2018 Undergraduate Major Distribution:

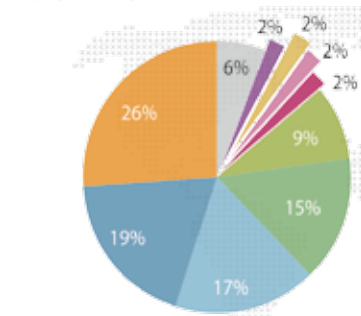


Industry Connections

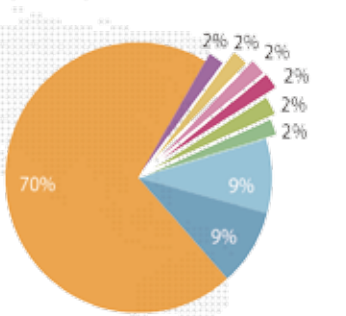
J.P.Morgan, TEMASEK HOLDINGS, Goldman Sachs, McKinsey&Company, Morgan Stanley, HSBC, BNP PARIBAS, CREDIT SUISSE, Deutsche Bank, CFA Institute, NOMURA, BCG, Fidelity, BAIN & COMPANY, THOMSON REUTERS, THE CARLYLE GROUP, SEQUOIA, citibank, CICC, 东方证券 ORIENT SECURITIES

Employment Statistics

Employment by Sector of 2017 Graduates



Employment by Location of 2017 Graduates



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上海交通大學
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Introduction

China-UK Low Carbon College (LCC) was established by Shanghai Jiao Tong University (SJTU) with the joint efforts of the University of Edinburgh (UoE) in May 2017. We are the first college in China that pioneers in low carbon research and education.

The vision of the college is to become a world-leading higher education institution with international influence, providing a platform for graduate education, scientific research, executive training, and innovation and incubation in the low carbon field.

LCC provides graduates with a range of professional and transferable skills that enable them to pursue successful careers in the fields of energy and environment, including climate change consulting, carbon trading, energy-related or environment-related project development and business, policy or regulatory roles within government and NGOs.

China-UK Low Carbon College (LCC)

Program Overview

Our master programs are dedicated to professionals in the field of low carbon technologies, carbon finance and carbon management. The interdisciplinary nature of the programs integrates the elements of low carbon technology and social science on the basis of Environment Engineering and Power Engineering.

The programs are delivered on-campus full time over 2.5 years. Students are offered opportunities to get a double master degree at the University of Edinburgh.

Curriculum

Master Programs	Compulsory Course		Featured Courses
Low Carbon Environment (taught in English)	Environmental Technology Course	Technology of Air Pollution Control Technology of Water Pollution Control Solid Waste Disposal and Recycling	> Decision-Making for Low Carbon Management > Carbon Accounting > Carbon Economics > Business and Climate Change > Carbon Resources Cycle > Building Energy Saving and Solar Energy Utilization > Energy Clean and Cascade Utilization > Cities and Sustainability
	Environmental Social Science Course	Environmental Economics Environmental Law Environmental Management	
Low Carbon Energy (taught in English)	Power Engineering Technology Course	Advanced Heat Transfer Advanced Engineering Thermodynamics Advanced Fluid Dynamics in Engineering Advanced Combustion Theory	
	Power Engineering Frontier Course	Basic Principles of Sensors and Mechanical Measurement Systems New Energy Systems	

WHY LCC

上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

Faculty

LCC currently has 20 full-time faculty and 40 adjunct faculty.

Our faculty members are world- leading experts in the area of climate change and all obtained PhD degree from world-leading universities with education or research backgrounds overseas.

Platforms for Scientific Innovation

> Research Center for Carbon Finance and Carbon Management
> Research Center for Smart Energy and Big Data
> Research Center for Renewables and Energy Storage
> Research Center for Low Carbon Combustion and Engine System
> Research Center for Carbon Capture, Utilization and Storage
> Research Center for Sustainable Technologies and Waste Resource Utilization
> Research Center for Low Carbon Design and Manufacture

Industrial Partners

ARUP · SIEMENS Ingenuity for life · SAIC 上汽集团 SAIC MOTOR · TESLA · Mercedes-Benz · Schneider Electric · EY

国家电投集团资本控股有限公司 SPIC CAPITAL HOLDING CO., LTD. · 申能股份有限公司 SHENERGY COMPANY LIMITED · BAOSTEEL · 国家电网公司 STATE GRID · Hanergy 汉能控股集团 · ExxonMobil

ADB ASIAN DEVELOPMENT BANK · 兴业银行 INDUSTRIAL BANK CO.,LTD. · 国泰君安证券 · 中国航天

SRIBS 上海市建筑科学研究院集团 · 上海环境能源交易所 SHANGHAI ENVIRONMENT AND ENERGY EXCHANGE · cec 中国质量认证中心 · 中国华电集团公司 CHINAHUADIANCORPORATION · YINGLI 英利集团 · 中国华能 CHINA HUANENG

Student Experience


Shanghai Context


Interactive Learning


Innovation Events


Cultural Experience

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School of Design

Introduction

School of Design was founded in December 2017, which amalgamated three departments and establish a new discipline cluster named "innovative design".

Over the past 30 years, the design disciplines at Shanghai Jiao Tong have pursued a harmonious communion of humanities, arts, science and technology for educating elite talents in the built environment, art and design fields, distinguished by their social conscience, leadership, cosmopolitanism and truth-seeking spirit. Their accomplishments in education, research, practice, social service and international reach have earned worldwide recognition. In the QS subject ranking, "Architecture and the Built Environment" at Shanghai Jiao Tong in recent years has been ranked in the top group in both China and globally, whilst "Art and Design" in 2015 and 2016 made the top 50 in the world.

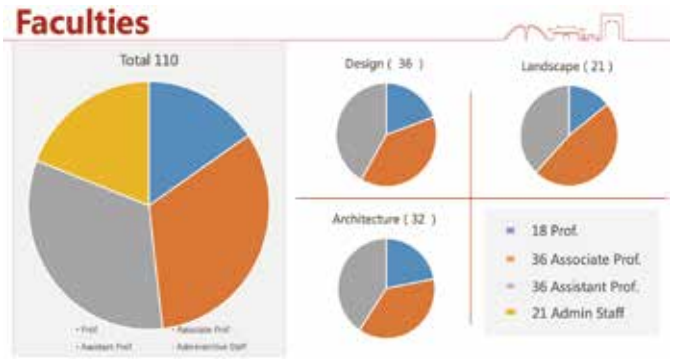
Research Areas

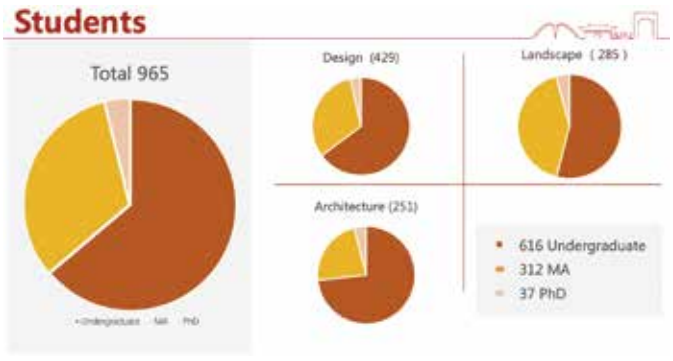
There are three departments in School of Design, which is accredited to provide these following research areas:

Design	- High-end equipment and intelligent design; - Information design - Interaction design
Architecture	- Sustainable architecture— history, theory and technology; - City/Rural planning and built heritage conservation
Landscape Architecture	- Sustainable landscape— history, theory, planning and ecological restoration; - Landscape planting resources and application

Innovative Design Institution

School of Design also has a new Innovative Design Institution named Neo Bay





International Cooperations

School of Design is accredited to provided master programmes of Architecture, Design and Landscape Architecture, and doctoral programmes of Design Science and Engineering

CORE COURSES

Architecture	Design	Landscape Architecture
Architecture Forum	Introduction of Design	Research Method of Landscape Architecture
Design and Research	User Study	Principle of Ecological Planning and Design
Urban Design and Planning Administration	Design Practice	Spatial Narrative and Experience
City and Architectural Programming	Internet Production Innovation	The Classical Chinese Garden Analysis

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