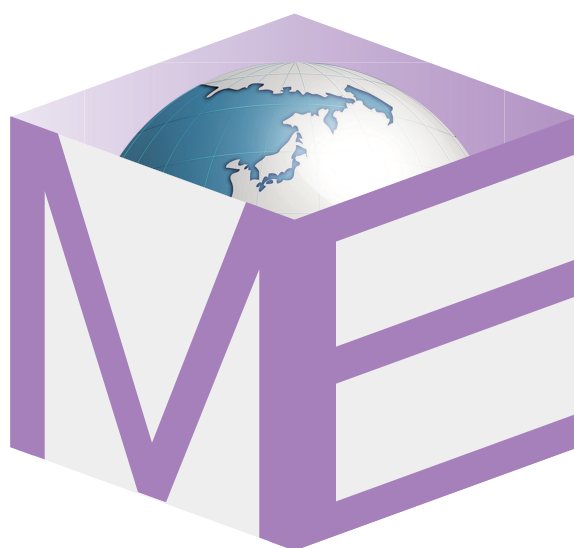




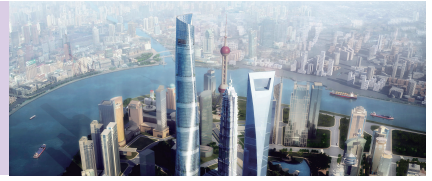
上海交通大學  
SHANGHAI JIAO TONG UNIVERSITY



**Master's and PhD Degree Programs for International Students**  
**School of Mechanical Engineering**  
**Shanghai Jiao Tong University**

# WHY

## Shanghai?



Shanghai, a global financial center and a world cosmopolitan city, is also a place possessed with world-class education resources. Studying in Shanghai not only gives you a chance to experience its uniqueness, culture, and history, where western culture meets traditional Chinese culture, but also equips you with an international perspective and increases your prospects for a good career.

# WHY

## SJTU?



Shanghai Jiao Tong University (SJTU), founded in 1896, is one of the first national institutions of higher learning in China. The centennial university strives for becoming a comprehensive, research-oriented and internationalized world-class university. With strong faculty and research background, SJTU offers a variety of Master's and PhD Degree programs taught in English for non-Chinese spoken international students together with a number of scholarships.

# WHY

## SJTU-ME?



The history of the School of Mechanical Engineering (ME), Shanghai Jiao Tong University (SJTU) dates back to 1913. Over the past century, the School has produced tens of thousands of graduates who make 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 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 113 are full professors and 143 associate professors, and a student population of 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. Of the USD 66 million funding it received in 2013, 40% came from industry for collaborative R&D projects and 60% was government funding obtained through a competitive process.

## School Ranking

Discipline Ranking		A	B	C
School of Mechanical Engineering	Dept. of Mechanical Engineering & Automation	1	1	1
	Dept. of Power & Energy Engineering	2	1	3
	Dept. of Industrial Engineering	1	2	/
	Dept. of Nuclear Science & Engineering	4	/	5

Notes:

A: China Graduate Education Evaluation Report 2009–2010, Science Press, 2009

B: China University Evaluation, 2011

C: China Academic Degrees & Graduate Education Development Center Evaluation, 2012

**Ranked No.16 in 2013 QS World University Rankings by Subject – Mechanical, Aeronautical & Manufacturing Engineering.**

## Program Details

	List of PhD Programs	List of Master's Programs	
Program Category	Mechanical Engineering	Mechanical Manufacturing and Automation	
		Mechatronics	
		Machine Design and Theory	
	Industrial Engineering	Vehicle Engineering	
	Power Engineering and Engineering Thermophysics	Power Engineering and Engineering Thermophysics	Industrial Engineering
			Engineering Thermophysics
			Thermal Energy Engineering
			Power Machinery and Engineering
			Fluid Machinery and Engineering
			Refrigeration and Cryogenic Engineering
Nuclear Science and Engineering	Nuclear Science and Engineering	Fuel Cell	
		Nuclear Science and Engineering	
Teaching Language	English/Chinese	English/Chinese	
Program Duration	Candidates with master degree: 3–4 years	2–2.5 years	
Tuition Fee	RMB 45,500/year (approx. US\$7,550/year)	RMB 28,900/year (approx. US\$4,800/year)	

# Curriculum

NO.	Courses	Semester
1	Chinese Culture	Fall
2	Chinese Language	Fall/Spring
3	Advanced Fluid Dynamics in Engineering	Fall
4	Digital Signal Processing	Fall
5	Advanced Heat Transfer	Fall
6	Circulating Fluidized Bed Combustion	Fall
7	Vehicle System Dynamics	Fall
8	New Energy Systems	Fall
9	Advanced Operations	Fall
10	Computational Fluid Dynamics	Fall
11	Wearable System	Fall
12	Production and Operation Analysis	Fall
13	Advanced Engineering Thermodynamics	Fall/Spring
14	Basic Principles of Sensors and Systems for Mechanical Measurement	Spring
15	Tribology & Lubrication	Spring
16	Combustion Chemical Kinetics	Spring
17	Multiphase Flow and Heat Transfer	Spring
18	Microfluid Flow and Heat Transfer	Spring
19	Introduction to Discrete	Spring
20	Date Mining	Spring
21	Structural Acoustics	Spring
22	Advanced Automotive Powertrain Technology	Spring
23	Automotive Control Engineering	Spring

**QR Code for Faculty**



## Scholarship

Scholarship	Coverage	Official website
Chinese Government Scholarship (CGS)	1. Tuition waived	<a href="http://www.csc.edu.cn/">http://www.csc.edu.cn/</a>
	2. On-campus dormitory fee waived	
	3. Monthly stipend:	
Shanghai Government Scholarship (SGS)	Master students: 1,700RMB	<a href="http://www.study-shanghai.org/Scholarship_en.asp">http://www.study-shanghai.org/Scholarship_en.asp</a>
	Doctoral students: 2,000RMB	
SJTU Scholarship	Subject to change each year.	
ME Scholarship	Please contact <a href="mailto:meglobal@sjtu.edu.cn">meglobal@sjtu.edu.cn</a> for updated information.	

## Estimated Costs of Living in SJTU

Approximate Expenses	RMB
Accommodation	Share Double room: 4,500–5,400/person/semester
	Single room: 9,300–11,900/person/semester
Food	1,000/month at school cafeteria
Public transportation	200/month
Health insurance	600–800/year

Note: The living expenses may vary greatly according to your own circumstances and lifestyle. The estimates above provide a general guideline.

### SJTU 2015–2016 Academic Calendar

Fall semester: Sep.7 to Jan.17	Winter break: Jan.18 to Mar.1
Spring semester: Mar.2 to Jul.4	Summer semester: Jul.5 to Aug.1
Summer break: Aug.2 to Sep.12	

# Application Details

## Qualification of Applicants

1. Healthy, valid foreign passport holders with a bachelor degree or above. Students in their final year of undergraduate study may be admitted on the condition that their bachelor's degrees are awarded before they enroll at SJTU.

2. Language requirement:

\* Program with courses offered in Chinese: HSK 5  $\geq$  180

(Applicants with bachelor degrees graduated from program taught in Chinese in China can be waived from this requirement. )

\* Program with courses offered in English: TOEFL  $\geq$  90 / IELTS  $\geq$  6.0

(Native English speaker or the applicants with bachelor degrees in native English nations can be waived from this requirement.)

## Application Procedure

### Step 1. Online application from February to April

<http://isc.sjtu.edu.cn>

Application fee: Non-refundable fee of RMB 800 (approx .US\$135).

### Step 2. Your application materials must be mailed to International Office at Graduate School ( Add.: RM 436, Chen Rui Qiu BLDG, No.800, Dong Chuan Rd. Shanghai, 200240. Tel.: +86-21-342078238)

Application Materials include:

\* Hard copy of Application Form generated from online application.

\* Degree Certificate.

\* Official Transcript.

\* Language Certificate.

\* A Copy of Passport and 2 photos.

\* Personal Statement and study plan.

\* Two letters of recommendation from professors.

\* Receipt of application fee.

### Step 3. Your documents will be distributed to ME to go through admission evaluation process.

### Step 4. You will be given pre-admission notice delivered from International Liaison Office at ME.

### Step 5. The Official Admission Notice and Visa Application Forms (JW202) will be sent to you for visa application.



## Testimonials



*Eva Flury*

Nationality: **French**, Ph.D candidate in Institute of Robotics

*"Since I had the opportunity to come to SJTU for my PhD about Brain-Computer Interfaces, I found it both very motivating and stimulating. Research in my lab is well-funded and that gives us the chance to do some exciting experiments. Moreover, I'm very fond of Chinese culture and thus studying in SJTU allows me to fulfill my knowledge both in state-of-the-art technologies and 5000-years-old history and language."*

*Jonathan Maglott*

Nationality: **American**, Ph.D candidate in Institute of Robotics

*"I chose SJTU-ME because the ME program at SJTU offers great opportunity to work on cutting-edge research with some of the top professors and students in the world. SJTU provides a great platform for students to experience Chinese culture, learn the Chinese language, and build international friendships."*



*Melissa Amjadi*

Nationality: **Iranian**, Ph.D candidate in Institute of Industrial Engineering

*"As an engineering exploration program student, SJTU provided me with the resources necessary to explore all my options in the industrial engineering field. It offered me diverse research groups, interaction with industry leading firms, and world-class faculty and facilities, which provided me with the tools necessary to take on any industry project."*

*Muhammad Rehman Asghar*

Nationality: **Pakistani**, Ph.D candidate in Institute of Fuel Cell

*"As an engineering student I want to understand how exciting the world of the engineer is to be able to create things that have never been created before. I deliberately am looking for the place where spectacular activities of research are going on. The places where experiments are like drugs when you take one time you always addictive of this. As SJTU-ME student this is my best decision I ever took."*



*The Vinh Phan*

Nationality: **Vietnamese**, M.S candidate in Institute of Automotive Engineering

*"This is my sixth year in China, and join SJTU is the best decision I've ever done. I like Shanghai and many of my friends are here. I can gain more knowledge here in SJTU and learn about Chinese language and Chinese Culture."*





**Contacts:**

**International Liaison Office**

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Shanghai Jiao Tong University  
800 Dong Chuan Road  
Shanghai 200240, P.R.China

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Scan ME

