

# 2018 PROSPECTUS

University of Michigan - Shanghai Jiao Tong University Joint Institute



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# MESSAGE FROM THE DEAN

Dear prospective students,

Please enjoy this brochure describing what it's like to live and learn at the University of Michigan – Shanghai Jiao Tong University Joint Institute (UM-SJTU JI) – an elite engineering institution located in dynamic, cosmopolitan, and welcoming Shanghai, China.

At the UM-SJTU Joint Institute, we are proud of our world-class faculty, many of whom trained at the finest universities in North America, Europe and Asia. These scholars are here because they cherish the remarkable opportunity they find at JI to teach the very best students from across China who, each year, are joined by more and more of the very best students from around the globe. This multicultural mix of student backgrounds that is found in our classrooms enriches the learning environment immensely. Our curriculum derives from UM's famous School of Engineering, and all instruction occurs in English. The scope of learning is vast, for our students not only study science, mathematics, and engineering, but also acquire “soft” skills such as cultural awareness, critical thinking, ethical reflection, creativity and teamwork, often from courses offered by our energetic liberal arts division.

In the short span of a single decade, JI has achieved an outstanding international reputation. It has won many awards from near and far. It is the first Chinese institution to win the prestigious Andrew Heiskell Award for Innovation in Higher Education from the Institute for International Education (IIE) in New York. Recently, our two engineering programs earned ABET accreditation, making ours the first such programs to achieve ABET accreditation in China. Consequently, JI now fully complies with the same standards adopted by most of the major engineering programs in the United States.

These are exciting times at this young but already highly respected joint institute. Two powerhouse universities had a vision for a collaboration and the result is an amazing wealth of opportunities for our students and graduates.

I sincerely welcome you to join us and explore your future with us.

Warm regards,



Prof. Peisen Huang  
Dean, UM-SJTU Joint Institute



## JI AT A GLANCE

### University of Michigan

#### 2017 US News College Rankings:

- No. 17 in Best Global Universities
- No. 5 in Engineering
- No. 6 in Mechanical Engineering
- No. 6 in Electrical/Computer Engineering
- No. 4 in Materials Engineering

### Shanghai Jiao Tong University

#### 2017 QS World University Rankings:

- No. 61 in World's Top Universities
- No. 31 in Mechanical, Aeronautical & Manufacturing Engineering
- No. 31 in Materials Science
- No. 45 in Electrical & Electronic Engineering

### UM-SJTU Joint Institute

- Founded in 2006 with strong support from both parent universities and the Chinese government
- First Chinese institution to win the Andrew Heiskell Award for Innovation in Higher Education - one of the highest honors in international higher education
- World-class faculty team
- English-only instruction
- Advanced curricula from the University of Michigan
- Two engineering programs accredited by ABET

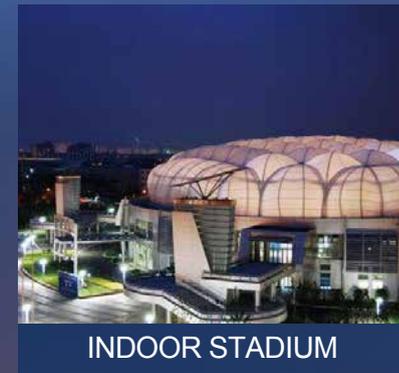


# SHANGHAI

Shanghai is one of the most diverse, vibrant, and modernized metropolises in the world, and one of the safest cities in China. Shanghai is also one of the largest metropolitan areas in the world. The city flourishes as a center of commerce between East and West and has been described as the "showpiece" of the world's fastest-growing major economy. Over 400 of the Fortune Global 500 companies have their research centers or branches in Shanghai. Amazing global opportunities await you here!

# SJTU CAMPUS

JJ sits on the Minhang Campus of SJTU, which is located in the southwest part of Shanghai. The 5000-acre campus is covered with lawns, trees, and lakes, appearing as a beautiful Chinese garden. Modern research and teaching facilities as well as student dormitory buildings are scattered around the campus. There are also hospitals, post offices, banks, student centers, and sports facilities that make campus life convenient and enjoyable.



INDOOR STADIUM



SJTU GATE



DINING HALL



INDOOR GYMNASIUM

# EDUCATIONAL PROGRAMS

## Bachelor's Degree Program

Students spend four years at JI and obtain a bachelor's degree in Mechanical Engineering (ME), Electrical and Computer Engineering (ECE), or Materials Science and Engineering (MSE) from SJTU.

Students can also obtain a Minor in Entrepreneurship that gives exposure to business fundamentals, lean startup methodology, intrapreneurship based on three month internship in a company and another three-month, group-collaborative development project with a company in China.

## UM-SJTU Dual Degree Program

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

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

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

## JI-KTH 3+2 Bachelor/Master Program

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

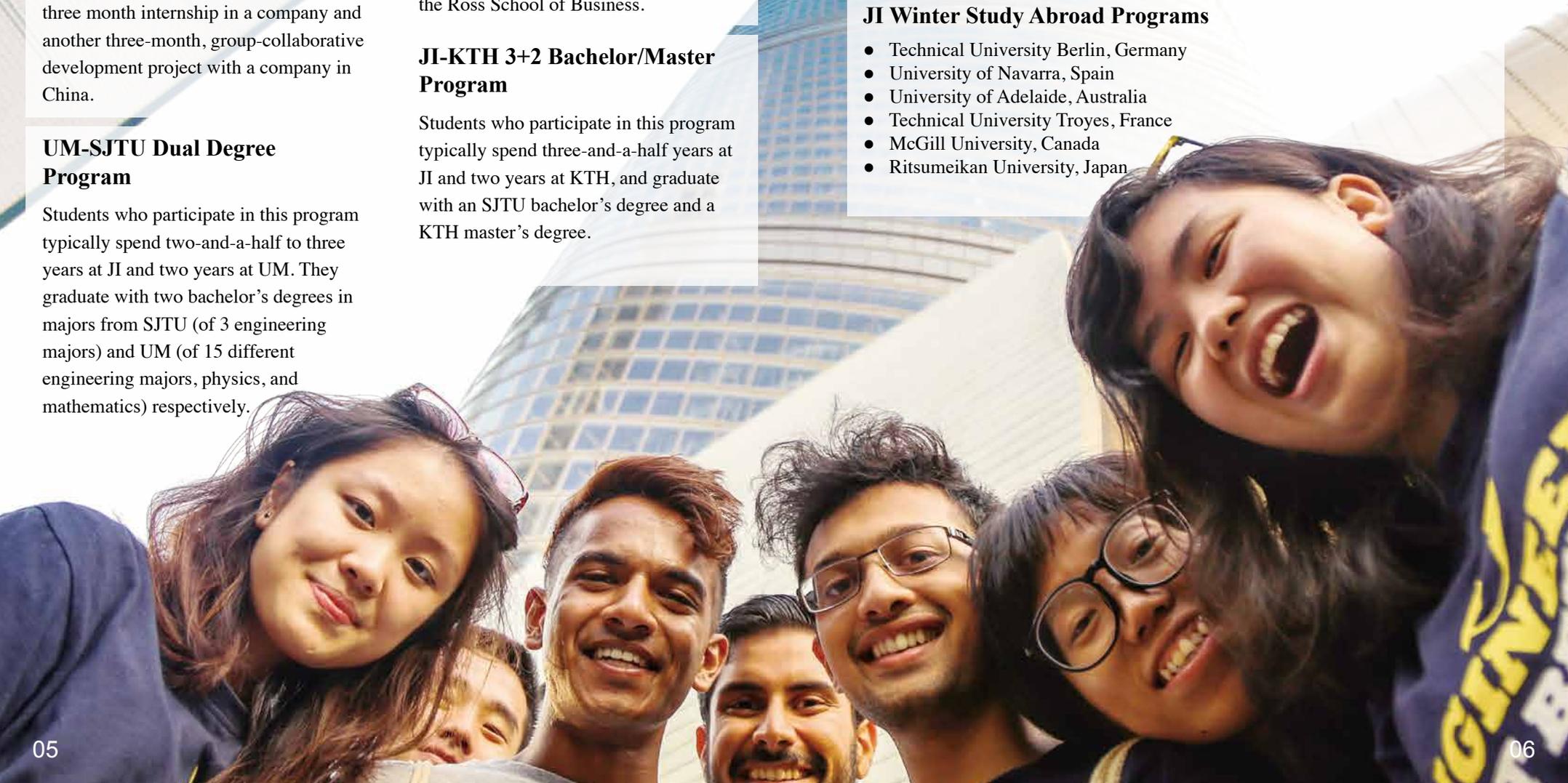
# INTERNATIONAL PROGRAMS

## Student Exchange programs

- Global Engineering Education Exchange (Global E<sup>3</sup>)
- University of California system, 9 campuses, USA
- University of Maryland, USA
- North Carolina State University, USA
- Technical University Munich, Germany
- Friedrich-Alexander University Erlangen-Nuremberg, Germany
- RWTH Aachen, Germany
- Karlsruhe Institute of Technology, Germany
- TU Delft, Netherlands
- Lappeenranta University of Technology, Finland
- Many other partner universities of SJTU

## JI Winter Study Abroad Programs

- Technical University Berlin, Germany
- University of Navarra, Spain
- University of Adelaide, Australia
- Technical University Troyes, France
- McGill University, Canada
- Ritsumeikan University, Japan





# WORLD-CLASS FACULTY

## WORLD-CLASS FACULTY

JI faculty consists of nationals from all over the world. All engineering and science faculty members have either graduated from or worked in world-class universities such as Harvard, MIT, Stanford, University of Michigan, UC Berkeley, Columbia or Princeton.



## ◀ Rui Silva

(Electrical and  
Computer Engineering)

The college lifestyle most students think of is different from reality. Part of this reality is the realization that they have to adapt to the new surroundings as quickly as possible in order to achieve their objectives right away. Fortunately, at JI, I overcame all the obstacles and I couldn't be happier attending this exquisite institute!



## ◀ Muhammad Ghazan Khattak

(Mechanical Engineering)

Coming from Pakistan to a completely different culture, I was scared 一点点 (a little), but thanks to the JI family it has been an amazing year at JI. Along with its quality education, the amazing Chinese friends and the extracurricular activities here on campus make the life very enjoyable.

## Richard Murray ▶

(Electrical and  
Computer Engineering)

To any students who are considering JI, life here will most likely be different from your lives now whether you are Chinese students or international students. If you are looking for a new experience, I believe JI is the perfect place for you, but even if you are not, JI is still a great choice that will provide you with many different possibilities.



## Ashley Ng ▶

(Electrical and  
Computer Engineering)

Taking courses in English, having professional conversations with foreign professors, playing a role in student-based services are part of every JIers' daily life. The international academic environment enables me to think with a global vision. I feel grateful to be part of JI.





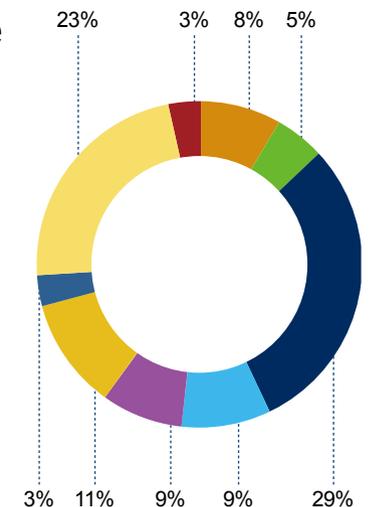
## UNDERGRADUATE PLACEMENT 2010-2016

Massachusetts Institute of Technology	7
Stanford University	38
University of California-Berkeley	29
California Institute of Technology	2
Carnegie Mellon University	40
University of Michigan	390
Georgia Institute of Technology	24
University of Illinois, Urbana-Champaign	14
Purdue University	12
University of Texas-Austin	15
Texas A&M University	12
University of Southern California	46
Cornell University	17
Columbia University	47
University of California-Los Angeles	26
University of California-San Diego	32
Princeton University	7
Northwest University	5
University of Pennsylvania	25
Johns Hopkins University	5

## Placement Summary (2010 - 2016)

Number of Graduates	1531	
US Graduate Schools	1040	67.9%
US Top 10 Engineering Graduate Schools	571	37.3%
US Top 20 Engineering Graduate Schools	793	51.8%
Other International Graduate Schools	82	5.4%
Chinese Graduate Schools	112	7.3%
Employment	297	19.4%

## Job placement results for the classes of 2010-2016



# ADMISSION

## Application Deadlines

Regular Decision — April 15  
Early Action — November 15

## Required Materials

### Test Scores

Either SAT (JI code: 6563) or ACT (JI code: 6983) with writing test scores are required. For students without SAT or ACT test scores, please contact Ms. Yu Zhang at [ji-intadm@sjtu.edu.cn](mailto:ji-intadm@sjtu.edu.cn).

For non-native speakers of English, either TOEFL (iBT) (JI code: 6210) or IELTS score is also required:

**TOEFL (iBT):** 84 or above with section scores of at least 21 in reading, listening, speaking, and writing;

**IELTS:** 6 or above.

## Recommendations

Two recommendation letters are required: one from your high school counselor and one from a teacher.

## High School Transcripts

We pay special attention to math, physics, chemistry and other related subjects. Please arrange to have official copies of your transcripts in English sent to us by all high schools you attended.

## Estimated Tuition and Fees

**Tuition:** 12,500 USD

**Room and Board:** 4650 USD

**Books and Supplies:** 300 USD. The figure represents the average cost and is subject to change.

## Application Fee

All applicants are required to pay a nonrefundable application fee of 75 USD.

## On-line application

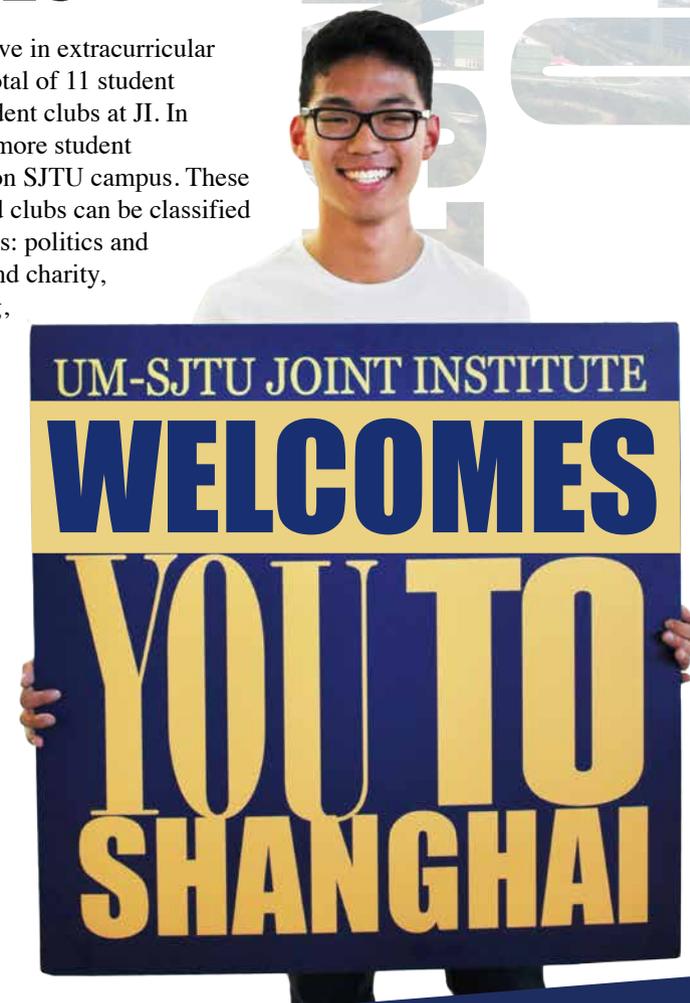
<https://apply.commonapp.org/Login?ma=699>

# FINANCIAL AID AND SCHOLARSHIPS

- JI scholarships
- Chinese government and Shanghai government scholarships
- Endowed scholarships
- Company-sponsored scholarships
- Teaching assistantships

# EXTRACURRICULAR ACTIVITIES

Ji students are very active in extracurricular activities. There are a total of 11 student associations and 10 student clubs at JI. In addition, there are 168 more student associations and clubs on SJTU campus. These student associations and clubs can be classified into five main categories: politics and economics, volunteer and charity, science and engineering, culture and art, and sports and fitness.



## CONTACT US

