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2025

INTERNATIONAL UNDERGRADUATE ADMISSIONS

About JI

The University of Michigan-Shanghai Jiao Tong University Joint Institute (JI) was established in 2006 as an international academic partnership between the University of Michigan and Shanghai Jiao Tong University, the first of its kind in China. This partnership aims to cultivate future leaders and establish a world-class teaching and research institution in China. JI provides students with a unique blend of American and Chinese education, preparing them to tackle the challenges of today's global society. All instruction is in English by faculty who are committed to JI's mission.

JI encourages students to combine major and minor studies in different disciplines, Dual Degree programs, and Global Degree Pathways programs. JI students pursue inter-disciplinary and multi-disciplinary studies by integrating engineering with disciplines such as science, economics, management, information, and environment to meet the intellectual demands of an increasingly complex world.



Shanghai Jiao Tong University

- #45 QS World University Rankings 2025
- #54 U.S. News Best Global Universities Rankings 2024-2025



University of Michigan

- #19 U.S. News Best Global Universities Rankings 2024-2025
- #44 QS World University Rankings 2025
- #1 U.S. Public University — QS World Rankings (2019-2023)
- #1 Best Small College Towns in America— Wallethub (2019-2023)



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Jl Numbers

100%

Engineering faculty members with **Ph.D. degrees and overseas background**

95%

Faculty members officially listed as **national and municipal distinguished scholars**

90%

Students pursuing graduate studies at **top universities**

FIRST PRIZE WINNER

of China's **National Teaching Achievement Award**

3

Undergraduate majors recognized as **National first-class** by China's Ministry of Education

FIRST CHINESE INSTITUTE

to win the **Andrew Heiskell Award** for Innovation in International Education

100+

International partner universities

50+

International programs

40+

Countries of origin for international students

30+

Research laboratories

19

Dual-Degree majors

3

Research centers

Jl History

01 - 02

2005/6

UM and SJTU signed collaboration agreement

2006/4

Founding of UM-SJTU Joint Institute

2006/9

Enrollment of first undergraduate class

2010

First undergraduate class graduated
JI was awarded the National Teaching Achievement Award

2011

Recognized by Chinese government as National Model of Higher Education Reform

2012/4

Named Shanghai Model of International Education Collaboration

2012/6

Two partners signed 10-year strategic collaboration agreement

2014/1

First Chinese institution to win ANDREW Heiskell Award for innovation in International Education

2016/8

First ME and ECE programs in China to win ABET accreditation

2018/5

Ribbon cutting for the new JI Building

2019/11

Established "Thank You Day" in appreciation of long-time JI supporters

2021/4

Celebrated the 15th anniversary

2023/8

UM and SJTU renewed 10-year partnership agreement

Academic Programs

3 Majors

• Mechanical Engineering (ME) Program

The ME program is grounded in a comprehensive science and engineering core, offering students a robust foundation in key technical competencies such as thermal and fluid sciences, solid mechanics and materials, as well as dynamics and control. The curriculum has a diverse range of courses, enabling students to customize their mechanical engineering education to align with their individual career aspirations. Throughout the program, students gain hands-on experience working with modern laboratory equipment and computer systems, exposing them to the latest analytical techniques and technological advancements in the field. Additionally, students have ample opportunities to engage with distinguished faculty members, many of whom are actively involved in research and professional consulting, providing valuable mentorship and networking experiences.

• Electrical and Computer Engineering (ECE) Program

The ECE program is an interdisciplinary one that emphasizes both hardware and software technology, fostering students' ability to creatively apply classroom knowledge to solve real-world challenges. It offers a comprehensive foundation in the fundamental theoretical concepts and technological principles of modern electrical and computer engineering. With a flexible curriculum, students can focus on diverse subject areas such as circuits and devices, electromagnetic and optics, communications, signal processing and control, as well as computer science and engineering. Throughout the program, students gain hands-on experience with modern laboratory equipment and computer systems, staying up-to-date with the latest analytical techniques and technological advancements in their field, they have numerous opportunities to collaborate with esteemed faculty, many of whom are actively involved in research and/or professional consulting.

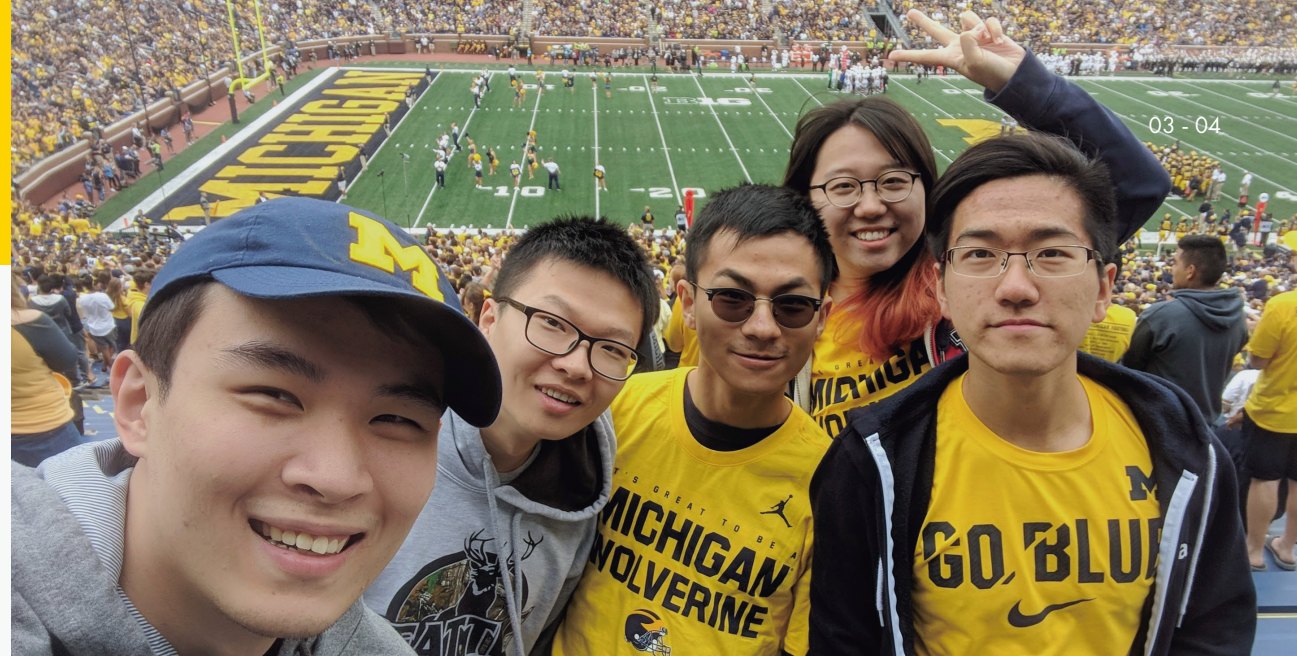
• Materials Science and Engineering (MSE) Program

The MSE program, widely acknowledged as a pivotal discipline for the 21st century, enjoys significant government support in China, where new materials are prioritized for rapid development. Anticipating a surge in demand for MSE engineers equipped with professional knowledge, international perspectives, and leadership and communication skills, the MSE program at JI focuses on cultivating competent engineers. Serving as JI's third engineering program, its primary aim is to internationalize materials science and engineering at SJTU, enhance SJTU's MSE program in functional and non-metallic materials, and foster educational and research collaborations between UM and SJTU in the field of materials science and engineering.

*All SJTU international students are expected to pass HSK 4 (Chinese Language Test) as the minimal Chinese language requirement for graduation.

8 Minors

- Computer Science
- Data Science
- Electrical and Computer Engineering
- Entrepreneurship
- Global China Studies
- Industrial AI
- Management
- Robotics



19 Dual Degree Programs with the University of Michigan

- Aerospace Engineering
- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Climate and Meteorology
- Computer Engineering
- Computer Science
- Data Science
- Electrical Engineering
- Engineering Physics
- Environmental Engineering
- Industrial and Operations Engineering
- Materials Science and Engineering
- Mechanical Engineering
- Naval Architecture and Marine Engineering
- Nuclear Engineering and Radiological Sciences
- Space Science and Engineering
- Mathematics
- Physics





7 Global Degree Pathways

Juniors are eligible to apply for these programs, which offer numerous options, a streamlined application process, and high admission rates. Once admitted, students will embark on their journeys abroad and commence the Master's program in the third or fourth year. Commonly, students return briefly to JI during the summer semester of the fourth year to finalize the Bachelor's degrees before heading overseas again to complete the Master's degree by the end of their fifth year of studies.

- **University of Michigan**

- **College of Engineering**

- Mechanical Engineering
 - Electrical and Computer Engineering
 - Engineering, Naval Architecture and Marine Engineering

- **School of Information**

- Data Analytics
 - User Interface and Design

- **School of Literature, Science and the Arts**

- Applied Statistics

- **School of Environment and Sustainability**

- Natural Resources and Environment

- **Ross School of Business**

- Management
 - Accounting
 - Supply Chain Management
 - Business Analytics

- **Trinity College Dublin**

- Mechanical Engineering
 - Electrical Engineering
 - Computer Engineering
 - Electrical & Computer Engineering

- **University of Southern California**

- The USC Viterbi School of Engineering

- **Royal Institute of Technology**

- Engineering Design
 - Engineering Mechanics
 - Naval Architecture
 - Vehicle Engineering
 - Machine Learning
 - Media Management
 - Electrophysics
 - Electric Power Engineering
 - Network Services and Systems
 - Systems, Control and Robotics
 - Wireless Systems
 - Embedded Systems
 - Communication Systems
 - Medical Engineering

- **North Carolina State University**

- Mechanical Engineering
 - Electrical Engineering
 - Computer Engineering

- **University of California at Irvine**

- Mechanical Engineering
 - Electrical Engineering
 - Computer Engineering
 - Material Science and Engineering

- **University of Auckland**

- Computer Science
 - Data Science

SJTU Undergraduate Engineering Programs in English

International students who apply for SJTU's undergraduate English programs will spend one and a half years at JI. Thereafter, they may choose to continue their study at JI or transfer to another engineering school (in English or Chinese) to complete their bachelor's degree. The engineering schools at SJTU include:

- **Shanghai Jiao Tong University**

- **University of Michigan-Shanghai Jiao Tong University Joint Institute**

- Mechanical Engineering
 - Electrical and Computer Engineering
 - Materials Science and Engineering

- **The School of Materials Science and Engineering**

- Materials Science and Engineering

- **The School of Electronic, Information and Electrical Engineering**

- Computer Science and Technology
 - Information Engineering
 - Automation

- **The School of Naval Architecture, Ocean and Civil Engineering**

- Naval Architecture and Ocean Engineering

- **The School of Mechanical Engineering**

- Mechanical Engineering
 - Power and Energy Engineering

International Programs

Semester Exchange Programs

Exchange programs are open to students starting from their sophomore year. Choosing an exchange program is an excellent way for students to broaden their horizons, enhance their academic credentials, develop personal resilience, and build international connections that can be beneficial throughout their lives.

• JI currently offers the following exchange programs:

- Global E³
- University of Leuven, Belgium
- Friedrich-Alexander University of Erlangen-Nürnberg, Germany
- Technical University of Munich, Germany
- Karlsruhe Institute of Technology, Germany
- RWTH Aachen, Germany
- Delft University of Technology, Netherlands
- Tecnun, University of Navarra, Spain
- Royal Institute of Technology, Sweden
- University of Warwick, UK
- North Carolina State University, US
- Cornell University, US
- Carnegie Mellon University, US

*Other destinations are available through SJTU's international programs.

Winter Study Abroad Programs

Short-term study abroad programs are opened to all JI students. Most of these programs are offered from January to February, during JI's winter break.

• JI currently offers the following winter study programs:

- Technological Institute of Buenos Aires, Argentina
- University of Adelaide, Australia
- McGill University, Canada
- Université de Technologie Troyes, France
- Technische Universität Berlin (Tech), Germany
- Technische Universität Berlin (Language), Germany
- University of Pecs, Hungary
- Ritsumeikan University, Japan
- Sophia University, Japan
- University of Navarra, Spain
- University of Warwick, UK

Faculty

The faculty at JI is meticulously assembled from a diverse array of international locales, each member boasting remarkable advanced degrees spanning a vast expanse of disciplines, encompassing science and engineering, mathematics, and humanities. Deeply committed to nurturing excellence in both pedagogical techniques and mentorship, they uphold the most rigorous standards of scholarly pursuit, functioning as invaluable mentors and exemplars for the student body. This formidable cadre of educators constitutes a solid foundation, underpinning JI's commitment to fostering innovative researchers and leaders imbued with a global perspective.

Inspired by the stringent benchmarks established by premier world-class institutions of higher learning, JI attracts a distinguished cohort of faculty members. Currently, our faculty boasts a diverse composition, with 33% comprising international scholars hailing from over ten nations, fostering a vibrant and multicultural academic milieu. Notably, the engineering professors at JI are all holders of prestigious doctoral degrees from the world's most esteemed universities, having either pursued their studies or taught at prestigious institutions such as Harvard University, MIT, Stanford University, University of Michigan, University of California-Berkeley, and Princeton University, among others. This impressive pedigree underscores their unyielding dedication to excellence and profoundly enriches the academic tapestry of JI.



Educational Facilities

Jl's Long Bin Building is equipped with advanced teaching and research facilities. It nurtures a vibrant, open, and inclusive international atmosphere, while concurrently offering ample room for Jl's anticipated growth. The internationalization and innovative environment of Jl indeed provide students with a broader development platform, which promotes their comprehensive growth and future competitiveness in multiple aspects.



Tang Junyuan Student Innovation and Entrepreneurship Center



The building itself boasts an impressive array of facilities tailored for student use. Among these is the prestigious Tang Junyuan Student Innovation and Entrepreneurship Center (hereinafter referred to as "the Center"), supported by the Shanghai Tang Junyuan Education Foundation and developed with Jl, embodies the Tang family's national pride and educational philosophy. Adhering to a "student-centered" approach, the Center aims to create an international collaborative innovation platform that integrates diverse resources, fostering students' technological innovation and future development.

Teaching Labs



Jl Teaching Labs encompasses various facilities such as the Circuits Lab, General Engineering Lab, Communications Lab, Mechatronics Lab, Mechanical Engineering Labs (A and B), Design & Manufacturing Lab, and Optics Lab. These labs annually run over 30 courses, affording students access to cutting-edge equipment like robotics systems, 3D printers, MTS servohydraulic test systems, Polytec vibrometers, Vic-3D digital image correlation systems, Zeiss confocal microscopes, high-speed cameras, wind tunnels, oscilloscopes, generators, and other world-class technology.

Student Life



Co-Curricular Activities

Jl has a wide variety of student organizations and clubs, spanning the areas of politics and economics, volunteering and service, science and engineering, culture and art, as well as sports and fitness. Among these are notable groups like the Student Union, Graduate Student Union, Student Science Technology and Innovation Association, Miyuan Youth Volunteer Team, and the Jler Interview Organization.

Living on Campus

International residential halls on Minhang Campus all provide basic furniture, air-conditioning, internet access, and private bathrooms with 24-hour hot showers.

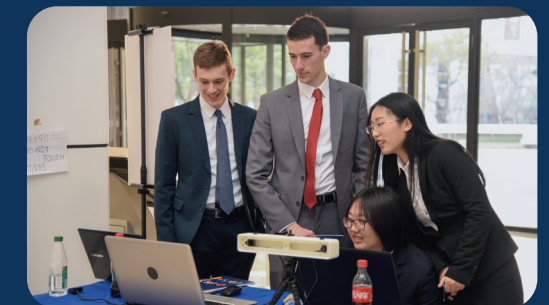


Enjoyable Campus Life

- 7 dining halls on campus, with local cuisines and international flavors
- 24-hour, free high-speed WIFI across all over campus
- Many on-campus entertainment and sports venues, including a cinema, a bowling alley, stadiums, indoor swimming pools, piano rooms, karaoke, etc.
- 5-minute walk to Shanghai Metro Line 15 from the Jl building

Internships

Internships offer students invaluable opportunities to gain industry insights and to translate classroom knowledge into practical experience. These experiences not only enhance their professional skills but also foster crucial networking and interpersonal communication abilities.



Spotlights on International Students



Ashley NG (Malaysia)

Electrical and Computer Engineering
Class of 2019

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.



Chapwit Na Muangtoun (Thailand)

Electrical and Computer Engineering
Class of 2020

Studying at JI requires strong time management skills. Your mindset needs to be focused and ready when you come here. If you are seeking a unique challenge, JI will not let you down.



Tae Hoon Kweon (South Korea)

Electrical and Computer Engineering
Class of 2021

My experience at JI was life-changing. I made valuable friends and unforgettable memories throughout my JI life. Before coming to JI, I never expected to become a graduate student and conduct research, but the rigorous coursework and interactions with inspiring professors and peers opened up new possibilities for me. To students eager to apply, JI offers a supportive environment that encourages growth and exploration. You'll find yourself challenged in the best ways and leave with experiences that will shape your future.



Assel Surshanova (Kazakhstan)

Mechanical Engineering (JI) & Aerospace Engineering (UM)
Class of 2023

Studying at JI proved to be a challenging journey that prepared me for the various hurdles that life presented. Throughout my life at JI, I had the opportunity of connecting with exceptional students, embodying hard work and dedication, many of whom I now consider cherished friends. Moreover, JI gave me a chance to chase my aspiration in aerospace engineering at the University of Michigan as my second degree. Some of the warmest memories of my youth intertwine with my time at JI, and for this, I'm grateful.



Daniela Mata (Peru)

Mechanical Engineering (JI) & Aerospace Engineering (UM)
Class of 2024

My experience at JI was challenging yet rewarding, bridging academic and cultural gaps from Peru to China. The program led me to the University of Michigan, where I earned a dual degree in aerospace engineering, fostering lasting friendships and connecting with inspiring faculty. JI is a dynamic environment nurturing full potential, set in the vibrant city of Shanghai, where one can encounter diverse cultures and forge meaningful connections. Grateful for the transformative journey, I found JI to be a place where academic excellence thrives alongside rich cultural experiences, shaping individuals to embrace global perspectives and pursue their passions.



Heeseung Han (South Korea)

Mechanical Engineering
Class of 2024

During my university life at JI, I often faced difficulties due to the high level of the courses and assignments. However, this provided great motivation for me, and studying with outstanding students allowed me to achieve gradual growth. Each step of progress was incredibly rewarding and filled me with a sense of accomplishment. As a result, I am currently pursuing my master's degree in mechanical engineering at JI. At JI, not only you can achieve academic success, but also broaden your perspectives through extensive interactions with international students from various backgrounds, creating enjoyable memories along the way.

International Admission Requirements

Application Deadlines

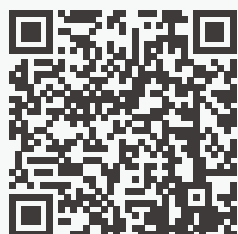
- Early Action — November 15
- Regular Decision — March 31

Required Materials

<p>1. <u>Test Scores</u></p> <ul style="list-style-type: none"> • SAT • ACT • A-level • IB (International Baccalaureate) 	<p>2. <u>English language requirements</u></p> <ul style="list-style-type: none"> • TOEFL (iBT) • IELTS
<p>3. <u>Recommendation Letters</u></p>	<p>4. <u>High School Transcripts</u></p>
<p>5. <u>Estimated Tuition and Fees</u></p> <ul style="list-style-type: none"> • Tuition: 120,000 RMB/Year • Books and Supplies: 2,100 RMB <p><small>*This figure represents the average cost and is subject to change.</small></p>	<p>6. <u>Application Fee</u></p> <ul style="list-style-type: none"> • All applicants pay a nonrefundable application fee of 75 USD.

On-line application

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



Scholarships

Outstanding students will be awarded scholarships, such as the Chinese Government Scholarship, the Shanghai Government Scholarship, and Shanghai Jiao Tong University scholarship, to name a few.

Application Methods

- Applicants for the Chinese Government Scholarship should directly contact the local Chinese embassy or consulate. When completing the scholarship application form, applicants should select Shanghai Jiao Tong University as their first choice.
- Applicants for SJTU scholarships are eligible for the ones listed below.

Classes	Scholarship	Criteria
First-Class Scholarship	<p>Period: 4 years</p> <ul style="list-style-type: none"> • Covers tuition award • Living allowance (2,500 CNY per month) • Accommodation subsidy (1,000 CNY per month) • Insurancecg 	<ul style="list-style-type: none"> • Applicants should have completed the application process on the Common Application system. • Applicants have been officially admitted by SJTU without being awardees of other scholarships at the same time.
Second-Class Scholarship	<p>Period: 4 years</p> <ul style="list-style-type: none"> • Covers 50% tuition award • Accommodation subsidy (1,000 CNY per month) • Insurancecg 	<ul style="list-style-type: none"> • Applicants can provide proof of English language proficiency according to the language requirement of the English program.
Third-Class Scholarship	<p>Period: 4 years</p> <ul style="list-style-type: none"> • Covers 25% tuition award • Insurancecg 	<ul style="list-style-type: none"> • SJTU reserves the right of final explanation.



Why Shanghai

Shanghai, a metropolis renowned for its diversity, vitality, and modernization, stands as one of the safest cities in China. Nestled at the southern estuary of the Yangtze River, it is traversed by the Huangpu River. Shanghai shines brightly as a commercial hub bridging the East and the West, often lauded as the epitome of the world's fastest-growing major economy. Fortune Global 500 companies have established their research centers or regional offices here, a testament to the city's unparalleled appeal. Embrace the captivating international opportunities that await you in Shanghai!



Why JI

1. Freedom to choose any major, with no quotas or restrictions.
2. Enhance your major with cutting-edge and popular courses or concentrations in Computer Science, Artificial Intelligence, Machine Learning, Big Data, Intelligent Perception, Digital Energy, Precision Health, and Financial Technology.
3. A global and interdisciplinary education prepares you to excel in a wide range of industries around the world.

