STUDY AT JI 2019

MESSAGE FROM THE DEAN
JI AT A GLANCE
SHANGHAI

SJTU CAMPUS
INTERNATIONAL FACULTY
COURSES

EXPERIENCE CHINA
APPLICATION & ADMISSION
MESSAGE
FROM THE DEAN

Dear students,

More than ever before, higher education is a global endeavor. International study and work experience, exposure to different cultural backgrounds, and cooperation on international teams are now integral components of university education.

The University of Michigan – Shanghai Jiao Tong University Joint Institute (JI) is on the cutting edge of this development, with University of Michigan curricula and global faculty and students. After more than ten years of pioneering work in international education, this year the JI moved into a new, state-of-the-art building. All courses are taught in English, the official language of the JI. These range from pure engineering to other technical, liberal arts, and business subjects. We aspire to the highest levels of academic achievement. Coupled with innovative teaching and cultural programs, students make progress towards their degrees in a truly unique educational environment.

I invite you to experience the JI firsthand. Whether for a short or long-term stay, I promise the time you spend in Shanghai will be an unforgettable highlight of your education.

Professor and Dean

JI AT A GLANCE

University of Michigan

• US university founded in 1854
• One of the best engineering colleges in the US, with almost all programs ranked in the top 10
• 6,000 undergraduate and 3,000 postgraduate engineering students

Shanghai Jiao Tong University

• Chinese university founded in 1896
• Consistently ranked as one of the top four universities in China
• 16,000 undergraduate and 19,000 postgraduate students

The UM-SJTU Joint Institute

• Founded in 2006, with overwhelming support from the partner universities and Chinese Ministry of Education
• First Chinese institution to win the IIE’s Andrew Heiskell Award for Innovation in Higher Education
• Employs the educational model of leading US research universities
• ABET - accredited programs in Mechanical Engineering and Electrical & Computer Engineering
• English-only Instruction and curricula
• Experienced, innovative, international faculty
• 1,200 undergraduate and 150 postgraduate students
• International full-time and exchange students from around the world
With more than 24 million inhabitants, Shanghai is the largest metropolitan area in the world. As one of China's largest financial centers, over 400 Fortune Global 500 companies have branches or research centers here. A centerpiece of the world’s fastest-growing major economy, Shanghai flourishes at the center of commerce between East and West.

Amazing opportunities await!
SJTU CAMPUS

The Joint Institute is located in the eastern part of SJTU’s picturesque Minhang campus, the largest in China and home to more than 30,000 students. Shanghai is easy to navigate, thanks to its cheap taxis and modern metro system.

“...living and working in Shanghai is an experience of a lifetime with the immense diversity, spirit and culture of that wonderful city constantly feeding one’s eyes and soul. At JI, I was met by an army of intelligent, innovative and hardworking students. My relationship with these students was one between colleagues who are collaborating on a common goal of learning and discovery: without a virtual wall that often separates university students from their professors. I was also able to get involved quite deeply in a few research projects, which led to a joint publication with one of the research groups, and a sustained collaborative relation with another one. I am so glad I had the opportunity to have that wonderful experience in Shanghai.”

Dragan Djurdjanovic, University of Texas at Austin, US
visited JI in Summer 2018

“My semester at JI was awesome. For me, who had never visited China before, I thoroughly enjoyed the whole experience. A huge and vibrant campus, interesting courses, cheap food and not to mention all the myriad of things a person can do in Shanghai. The staff at JI and the other exchange students will stay with me and I hope to be able to visit again sometime in the future.”

David Jacobsson, KTH, Sweden
studied at JI in Fall 2017

INTERNATIONAL FACULTY

The composition of the JI’s faculty reflects its global outlook, including members from Poland, Germany, France, the US, Canada, Korea, Malaysia, and, of course, China. All engineering and mathematics/sciences faculty have PhD’s from international universities – many from world-famous institutions in the US. Additionally, the JI regularly hosts visiting international instructors to teach tailored courses during the fall and summer semesters.

Personal backgrounds and international points of view inform a global perspective in all instruction at the JI.
COURSES

Summer term course list excerpt

VE 312 Digital Integration Circuits
VE 320 Introduction to Semiconductor Devices
VE 373 Design of Microprocessor Based Systems
VE 434 Principles of Photonics
VE 438 Advanced Lasers and Optics Laboratory
VE 475 Introduction to Cryptography
VE 538 Optical Waves in Crystals
VE 527 Computer-Aided Design of Integrated Circuits
VM 320 Fluid Mechanics
VM 335 Heat Transfer
VM 350 Design and Manufacturing II
VM 360 Modelling, Analysis and Control of Dynamical Systems
VM 384 Engineering Project Management
VM 467 Introduction to Robotics
VM 517 Mechanical Properties of Polymers
VM 552 Mechatronic Systems Design
VM 583 Manufacturing Processes and Systems
VG 496 Professional Ethics
VR 203 Food in Modern East Asian History
VR 206 China in the Early Modern World
VR 280 Introduction to Modern Chinese Literature
VR 361 Philosophical Ethics
VR 383 Chinese Society in Contemporary Chinese Cinema
VX 351 Advanced Branding and Brand Management
VX 402 Managing a Business
VX 420 Business Basics for Entrepreneurs
VZ 102 Introduction to Chinese Culture
VZ 104 Introduction to Chinese Language
VZ 200 Comprehensive Chinese II

A complete and updated list of courses is available at http://umji.sjtu.edu.cn/academics/courses/present-course-offerings/

Fall term course list excerpt

VE 281 Data Structures and Algorithms
VE 334 Principles of Optics
VE 420 Electronic and Optical Properties of Semiconductors
VE 451 Digital Signal Processing and Analysis
VE 456 Digital Communication Signals & Systems
VE 458 Biomedical Instrumentation and Design
VE 460 Control Systems Analysis and Design
VE 501 Probability and Random Processes
VE 504 Solid State Physics for Engineering
VE 509 Semiconductor Physics
VE 534 Optics and Photonics
VE 689 Wireless Networks
VM 311 Strength of Materials
VM 320 Fluid Mechanics
VM 382 Mechanical Behavior of Materials
VM 458 Automotive Engineering
VM 461 Automatic Control
VM 505 Finite Element Methods
VM 518 Advanced Mechanics of Composite Materials
VM 520 Advanced Fluid Mechanics
VM 524 Turbulence
VM 555 Engineering Optimization
VR 208 Business and Natural Environment
VR 280 Introduction to Modern Chinese Literature
VR 363 Chinese Society in Contemporary Chinese Cinema
VR 369 Politics of International Economic Relations
VZ 102 Introduction to Chinese Culture
VZ 104 Introduction to Chinese Language
VZ 200 Comprehensive Chinese II
EXPERIENCE IN CHINA

China’s high-speed rail network makes travelling throughout the country a breeze.

JIT’s International Programs Office organizes regular weekend excursions within the Yangtze river delta area and around China.

“I had a fantastic experience. The first few days we got to Shanghai we were assigned and met with a Chinese buddy, which was so helpful in so many ways. That buddy was someone to ask any question, go on adventures with, help with translations, help show you around the school and city. The buddies, especially my buddy, were awesome. I also really enjoyed getting to meet some many people from so many places and make bonds with them that will last far beyond the 4 months we spent together.”

Hugh Davis, University of Michigan, U.S.
Studied at JIT in Fall 2017

“My semester at JIT last year is one of the best experiences of my life. I was able to meet students from all over the world and interact with them all semester long. Many events are organized by JIT not only in Shanghai but also in other cities. JIT cares for its students and I never feel alone. The city is fantastic and I enjoyed going out with my friends from JIT. I can only recommend people to go for a semester or a year as there are so many things to discover. I don’t regret anything, except having to leave at the end.”

Jean-Eudes Cachonie, Ecole de Mines de Douai, France
Studied at JIT in Fall 2017
APPLICATION & ADMISSION

Application Deadlines

Summer Term
Student nominations by partner universities - February 1
Submission of application materials - February 15
Admission decision made by JI - March 1

Fall Term
Student nominations by partner universities - April 1
Submission of application materials - April 15
Admission decision made by JI - May 1

Tuition and Housing

- Tuition is waived for students from partner universities. For all others, it is 2,500 RMB per course credit.
- Housing costs are approximately 3,500 RMB for the term, in double occupancy dormitories on SJTU’s Minhang campus.

Application Materials

- Official transcript
- Résumé / CV
- Recommendation letter
- Passport photo
- Copy of passport
- TOEFL / IELTS / equivalent test results if English is not the first language

TERM DATES 2019

Summer 2019

May 9: Early check in to the dorms (limited space / confirm two weeks in advance)
May 10: General arrival date with airport pick-up service / Dormitory check-in
May 12: Orientation
May 13: Classes begin
June 7: Public holiday - Dragon Boat Festival
August 6-9: Final examinations
August 9: Term ends
August 9-11: Check-out of dormitories

Fall 2019

September 4: Early check in to the dorms (limited space / confirm two weeks in advance)
September 5: General arrival date with airport pick-up service / Dormitory check-in
September 8: Orientation
September 9: Classes begin
September 13: Public holiday - Moon Festival
October 1-7: Chinese National Holiday week (no classes)
December 9-13: Final examinations
December 13: Term ends
December 13-16: Check-out of dormitories
SINCE 2007

Since 2007, the Joint Institute has been a destination for international students wishing to learn engineering in our collaborative and cross-cultural environment. Each year, more than 100 students come to JI and join our global community of American, European, Asian, and South American exchange students.

International short-term students at JI

- Spring
- Summer
- Fall

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