



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 Fields
Mechanics	<ul style="list-style-type: none"> > Biomedical Technology > Circuits and Devices
Mechanical Engineering	<ul style="list-style-type: none"> > Communication, Networking and Control > Design and Manufacturing
Power Engineering and Engineering Thermophysics	<ul style="list-style-type: none"> > Dynamics and Vibrations > Electromagnetic, Photonics and Electrophysics
Electronics Science and Technology	<ul style="list-style-type: none"> > Energy and Power Systems > Mechatronics and Control
Information and Communication Engineering	<ul style="list-style-type: none"> > Micro/Nanotechnology > Solid State Physics
Control Science and Engineering	<ul style="list-style-type: none"> > Structure and Materials > Thermodynamics and Fluid Mechanics

Education Program

Jl 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

Jl'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

Jl'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

Jl 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 ten years, a large number of professors, doctors, and post-doctors, from top universities and research institutes around the world, come to apply for faculty and research positions in Jl every year. More than 30 full-time incumbent professors have obtained their doctor degrees from world-class universities.



Distinctions & Partners

Jl'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 Jl's graduate students to apply their research to solve real world problems. The campus sits in 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.



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