



## ZJU-UIUC INSTITUTE

Zhejiang University-University of Illinois at Urbana-Champaign Institute  
浙江大学伊利诺伊大学厄巴纳香槟校区联合学院

# International Undergraduate Programs in Engineering

## Institute Overview

The Zhejiang University - University of Illinois at Urbana-Champaign Institute (the ZJU-UIUC Institute, known as ZJUI for short) is a new cooperatively-run engineering college on the new Zhejiang University (ZJU) International Campus in Haining, China. By introducing top engineering curricula and resources from UIUC, complemented with contributions from counterpart colleges and departments from ZJU, ZJU-UIUC Institute will provide a world-class engineering education. The institute is officially approved by the Ministry of Education, China on February 2016. ZJU and UIUC cooperatively cultivate undergraduates and graduate students. Currently, ZJUI has 518 undergraduates, 48 PhD candidates. Faculty of ZJUI is composed of talent recruited from top-tier international universities and outstanding professors from ZJU and UIUC.

# #9

### ZJU Rankings

Best Global Universities for  
Engineering  
U.S. News and World Report  
Rankings, 2020

# #6

UIUC Rankings  
Overall ranking among  
undergraduate programs in the U.S.  
U.S. News and World Report  
Rankings, 2020

### Zhejiang University

Founded in 1897, Zhejiang University is one of China's oldest and most prestigious institutions of higher education. Laying claim to several areas of research strength, ZJU currently ranks among the top three universities on the Chinese mainland and within the top 100 in the Times Higher Education World Reputation Rankings and QS World University Rankings. Eighteen disciplines of ZJU have been selected for China's "Double First-class" Initiative (3rd in China) and 39 disciplines graded A in the recent national assessment (1st in China). The engineering programs of Zhejiang University ranked 9th in the World Best Global Universities Rankings published by US News & World Report in 2020. ZJU has 25 Members of the Chinese Academy of Sciences and 25 Members of the Chinese Academy of Engineering.

### University of Illinois at Urbana-Champaign

Founded in 1867, the University of Illinois at Urbana-Champaign (UIUC) is a public research intensive university in the U.S. It is a founding member of the Big Ten Conference and a member of the Association of American Universities. The university is considered to be a "Public Ivy" institution. Illinois is a global leader for engineering education and research, its engineering programs ranked 6th in the U.S. Best Universities Rankings published by US News & World Report in 2020. There have been 24 Nobel Laureates and 27 Pulitzer Prize Winners from UIUC faculty and alumni.



## Engineering Degree Programs

Programs	Duration& Description	Degree	Expenses	Scholarships
Electronic and Computer Engineering (ZJU Degree)	4 academic years in International Campus, Zhejiang University, Haining, China	• Bachelor of Engineering from Zhejiang University	Tuition: CNY 80,000 per academic Year	<b>Support Scholarships</b> Each international student admitted, will be granted a support scholarship, which covers: <ul style="list-style-type: none"> <li>• Partial Tuition Waiver: CNY 32,000 per academic Year</li> </ul> <b>Need-based Scholarships</b> For admitted students with financial needs, an annual level of tuition waiver above a partial waiver will be considered, consistent with the documented needs and qualifications of the student. <p><small>*Each scholarship will be reviewed annually and renewed up to four academic years on the conditions that the student meets requirements for satisfactory progress toward the degrees and follows the rules of Zhejiang University.</small></p>
Electrical Engineering and Automation (ZJU Degree)			Accommodation on Haining campus: CNY 8,000 per academic year	
Computer Engineering	3 academic years in International Campus, Zhejiang University, Haining, China	Dual Degrees	Tuition: CNY 200,000 per academic Year	<b>International Excellence Scholarships</b> The most highly qualified applicants will be granted an International Excellence Scholarship, which covers : <ul style="list-style-type: none"> <li>• Full tuition: CNY 200,000 per academic year **</li> <li>• Accommodation on Haining campus: CNY 8,000 per academic year</li> <li>• International student medical insurance: CNY 800 per academic year</li> </ul> <p><small>** No support will be given during the 1-year exchange at UIUC. All tuition, fees, and other expenses during this exchange will be paid by the applicant.</small></p> <b>Support Scholarships</b> Each international student admitted, but not receiving an International Excellence Scholarship, will be granted a support scholarship, which covers: <ul style="list-style-type: none"> <li>• Partial Tuition Waiver: CNY 80,000 per academic Year</li> <li>• International student medical insurance: CNY 800 per academic year</li> </ul> <b>Need-based Scholarships</b> For admitted students with financial needs, an annual level of tuition waiver above a partial waiver will be considered, consistent with the documented needs and qualifications of the student. <p><small>*Each scholarship will be reviewed annually and renewed up to four academic years on the conditions that the student meets requirements for satisfactory progress toward the degrees and follows the rules of Zhejiang University and University of Illinois at Urbana-Champaign.</small></p>
Electrical Engineering			Accommodation on Haining campus: CNY 8,000 per academic year	
Mechanical Engineering			During 1-year exchange at UIUC, Tuition:~ USD \$40,000 per academic year	
Civil and Environmental Engineering			Accommodation : ~USD \$ 11,600	

# How to Apply

 **Step 1**

 **Step 2**

### ZJU Degree Programs in Engineering

Electronic and Computer Engineering / Electrical Engineering and Automation

Please download the application form from **ZJUI website** (<https://zjui.intl.zju.edu.cn/en/content/875358>)

Fill in the application form and send it together with all the other required materials to: **[zju-uiuc@zju.edu.cn](mailto:zju-uiuc@zju.edu.cn)**

Submit required materials:

- An admission essay
- High school transcripts
- Transcripts of recognized tests such as ACT or SAT or IB or A-level from the examining authority
- Transcripts of recognized english tests such as TOEFL or IELTS if your native language is not English

Applications are reviewed based on all factors in the application record, and will not be considered until they have submitted all materials.

 **Step 1**

 **Step 2**

 **Step 3**

### ZJUI Dual Degree Programs in Engineering

Computer Engineering / Electrical Engineering / Mechanical Engineering / Civil and Environmental Engineering

Make your application through the system:

**<https://my.zui.illinois.edu/submit/login.asp>**

Create an account, fill in all the required informations in the application system.

Submit required materials in the system:

- An admission essay
- High school transcripts
- Transcripts of recognized tests such as ACT or SAT or IB or A-level from the examining authority
- Transcripts of recognized english tests such as TOEFL or IELTS if your native language is not English

Submit your application.

Applications are reviewed based on all factors in the application record, and will not be considered until they have submitted all materials.

### Application Deadline

Undergraduate students should plan to apply by **April 30th, 2020** for full consideration.

# Features & Strengths

## ZJU Degree Programs in Engineering

Electronic and Computer Engineering / Electrical Engineering and Automation

### **Cooperation between top-tier programs, Promising career prospects**

Complemented with contributions from counterpart colleges and departments from ZJU, ZJU-UIUC Institute provides world-class engineering education. These degree programs will be conducted in English and supported by ZJU's top disciplines that are rated top-tier in the recent national education assessment.

In today's information age, Electrical Engineering and Computer Engineering are becoming very popular programs in engineering. Artificial intelligence, machine learning, deep learning algorithm, semiconductor materials and integrated circuit, nano- and quantum-technology, 5G communications, and many new fields will create a huge demand providing lots of opportunities and a broad market for graduates of these two programs with good career prospects.

### **Breaking the discipline boundary, Accelerating cross-disciplinary innovation**

Today's most important engineering challenges require expert teamwork across many disciplines. To promote such a mindset, ZJUI students study the deep knowledge and fundamentals that define their core discipline but work in multi-disciplinary teams in design projects and comprehensive problems. Advanced classes in systems-oriented topics, multi-disciplinary student teams assembled for major international competitions, and visitors from all over the world will help in discipline convergence and cooperation. Students engage in solving broad engineering challenges from their very first semester and throughout their whole curriculum. By their final year, students will organize and work on multi-disciplinary design teams to invent a solution for their chosen problem. Corresponding to this cross-disciplinary emphasis, experimental classes that include Advanced Devices and Systems Engineering Science, Information Systems and Data Science, and Energy, Environmental and Sustainable Development Science, are organized for advanced students. Courses that emphasize entrepreneurship and creative problem solving are incorporated throughout the curriculum.

### **Emphasizing research training, Creating an innovation curriculum**

Features of the curriculum

- Engineering classes and learning from the very first day.
- Joint courses available in every academic term that challenge discipline's boundary
- Cross-discipline advanced courses to provide a broad perspective
- Design that transcends the disciplines
- Ongoing creativity, entrepreneurship, and leadership learning and opportunities

Features of ZJUI education

- Cross-discipline education
- Enhanced interaction between faculty and students
- Evaluation and feedback throughout the process
- Extend a vision of engineering toward grand global challenges
- Combine theory and practice

### **Recruiting Faculty from top-tier Institutions, Building a strong faculty team**

Talent recruited from top-tier international universities that include CalTech, Cambridge, Carnegie Mellon, Johns Hopkins, MIT, Stanford, Tsinghua, UC Berkeley, UIUC, Yale, ZJU and many others. So far, we have 1 Member of U.S. National Academy of Engineering U.S., 54% of them are foreign nationals from the United States, Italy, Germany, Singapore, Ukraine, etc.

### **Residential college model, Well-rounded Education**

The International Campus has a Residential College housing model with two colleges currently in operation. Each residential college provides a friendly and supportive learning-and-living

environment with library facilities, study rooms, discussion and interactive spaces, laundry facilities, activity spaces, and fitness rooms. Each student has a private bedroom, shared bathrooms, and a common living space. The Residential Colleges play a significant part in the daily lives of ZJUI's students, forming a closely-knit community that represents a microcosm of the diverse student population on the International Campus. These colleges also provide an exceptional opportunity to meet and interact with students, tutors, and professors with different interests – people whom the students might not otherwise encounter in their courses or extracurricular activities.

The Master of the Residential College, Professor Lap-Chee Tsui, is a renowned educator who served as the President of the University of Hong Kong for 12 years. The Fellows, Tutors, and Counselors in each College seek to help students to make the most of their learning experience through organizing general education, personal development, extracurricular activities, and events. These activities seek to mold students into well-rounded responsible individuals with knowledge, leadership skills, broad competence, creativity, and morality. A trained support team is available on campus 24 hours daily.

## Dual Degree Programs in Engineering

Computer Engineering / Electrical Engineering / Mechanical Engineering / Civil and Environmental Engineering

**The dual degree programs offered by ZJUI have ALL the features and strengths mentioned above, and also have the unique advantages as follows:**

### **Prestigious Partner, Top-tier Programs**

The dual degree programs are offered by the partnership between Zhejiang University and the University of Illinois at Urbana-Champaign(UIUC). UIUC is a public research intensive university in the U.S. and a global leader for engineering education and research, it ranked 4th in 2015 in Engineering / Technology and Computer Sciences(ARWU). There have been 24 Nobel Laureates and 27 Pulitzer Prize Winners from UIUC faculty and alumni.

Numerous cutting-edge technologies developed by UIUC alumni and faculty: Integrated circuit, LED, transistor, JAVA, digital computer, MRI imaging, PayPal Internet payment etc..

Numerous record-breaking designs made by UIUC alumni and faculty: Apollo 1 program, Hoover dam, Golden Gate Bridge, Kansai Airport, Malaysia's petronas towers, the world's tallest building Burj Khalifa Tower, the world financial center etc.

By introducing top engineering curricula and resources from UIUC, ZJUI dual degree programs will provide a world-class engineering education. The four programs we offer are both advantage programs in ZJU and UIUC. These programs of UIUC were accredited by ABET and stay on the top-tier in United States: Civil and Environmental Engineering ranked at 3rd, Computer Engineering ranked at 6th, Electrical Engineering ranked at 5th, Mechanical Engineering ranked at 6th. (US News Ranking of 2020) .

### **First-Class Campus, State-of-the-art Facility**

- The International Campus provides faculty and students with a first-class environment for living and learning.
- Support and services are provided by the Campus Operation & Service Center and the Student Center.
- Teaching facilities include classrooms equipped with interactive integrated teaching systems, classrooms with flexible furniture and configurations, small meeting and discussion rooms, and world-class laboratories.
- Academic support through the library, outstanding information technology, and access to information and study facilities.
- Sports and activity facilities include music rooms, game rooms, a massive sports center, and student activity rooms.

ZJU-UIUC Institute is a strong partnership between two prestigious universities in China and the US. It offers top programs in engineering and carries out cross-disciplinary education and research. We sincerely welcome you to join our team to solve the world's greatest challenges. Together, we can create a better future for humanity.

### **Combined the East and West, Expand global view**

For the dual degree programs, students will have one year exchange experience at UIUC. This is a unique opportunity for students who seek to experience the life in China and U.S.. We using international curriculum, introduce the recourses and curriculum of UIUC. All the courses will be conducted in English, let the students really immerse into cultural diversity and to become leader of tomorrow with international vision and global competitiveness.

The International Campus of ZJU, where ZJUI based in, is also the a unique place who has multiple Sino-foreign cooperatively-run institutes and projects, it has a strong international atmosphere and become a global community.

### **Worthy Dual Degree, Exciting learning experiences**

Students admitted to the dual degree programs are enrolled in both Zhejiang University and the University of Illinois at Urbana-Champaign. Students who successfully complete the program and meet the requirements of both universities will receive two bachelor's degrees in their respective major fields: *Bachelor of Science from the University of Illinois* *Bachelor of Engineering from Zhejiang University*

Students work in an interactive learning environment with extensive laboratory and project content. Interactive classroom environments and activities are complemented and enhanced by participation in student organizations and extracurricular activities, study-abroad programs, industry and overseas internships, and leadership opportunities.



# Campus Life



# Minimum Requirements

Applicants must meet, and submit scores for, at least one of the following minimum requirements to be considered for admission. The programs are highly competitive and successful applicants are likely to exceed the minimum requirements substantially.

<b>SAT</b>	For new SAT exam, a score 1200 (620 minimum in Mathematics, and 650 minimum in Reading & Writing).
<b>ACT</b>	ACT Composite score of 25 minimum.
<b>IB</b>	An overall score of 30 points, including 6 in Mathematics and Physics at higher level.
<b>GCE A-level</b>	ABB, in one sitting, to include Mathematics and Physics. GCSEs: Mathematics at Grade B and English at Grade C.

# Contact Us

## Contact Person

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For further information, please refer to

**ZJU-UIUC Institute Homepage**  
<http://zjui.zju.edu.cn>

**ZJU International College Homepage**  
<http://iczu.zju.edu.cn>

**ZJU-UIUC Institute Facebook**  
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Dual Degree Programs



ZJU Degree Programs

**Join Us, Solve the Greatest Challenges Together.**