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# Drexel University enjoys a long and fruitful history with China.

Selçuk Güçeri Dean Drexel College of Engineering



Wei Sun Associate Dean for International Study Albert Soffa Chair Professor As a recognized leader in hands-on education, Drexel understands the importance of an experiential, globally-inspired education. To give our students both the technical knowledge and the cultural awareness to succeed in a close-knit world, Drexel supports numerous worldwide partnerships.

Our extensive relationship with the People's Republic of China brings special pride to Drexel's College of Engineering. Working with China's most respected institutions, we welcome scholars whose talent and ambition flourish in our innovative programs and contribute to our reputation for excellence.

Please take a moment to review a sampling of our many programs and find out more about Drexel's College of Engineering.

Dr. Mian Heng Jiang, son of the former president of China Jiang Zemin, earned a PhD in electrical engineering from the College of Engineering in 1991.

Traveling at the personal invitation of the late Drexel President Papadakis, President Jiang visited Drexel and was reunited with Drexel Professor Hun H. Sun (pictured above), a friend and classmate from Jiaotong University in Shanghai.

Professor Sun served as Mian Heng's mentor while he pursued his doctorate.

President Jiang's 1997 visit sprang from meetings in Shanghai, when President Papadakis led a delegation of Philadelphia representatives to explorecultural, political and business projects with the Chinese.





Dean Selçuk Güçeri admires a map of Shanghai Jiao Tong University (SJTU) with Dr. Wei Jin, Director of the International Affairs Office at SJTU.

In 2007, Drexel and Shanghai Jiao
Tong University joined Air Products and
Chemicals, Inc. in a unique collaboration
between industry and academia.

Shanghai Jiao Tong and Air Products jointly identify promising students for this innovative combination of study and actual work experience.

Following their three years of undergraduate study at SJTU and an internship at Air Products in Shanghai, the students travel to Drexel for two years. During their time at Drexel, the students complete courses in their engineering discipline and international business, allowing them to fulfill the graduation requirements for their BS from SJTU and earn an MS in Global Engineering from Drexel.

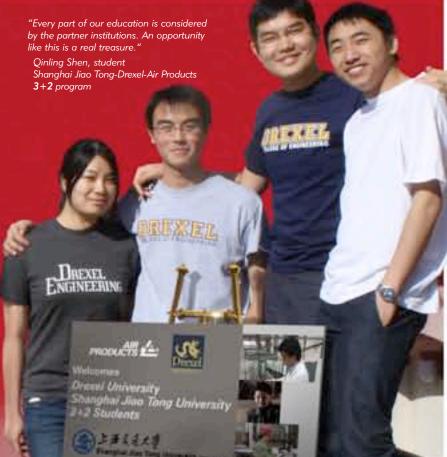
During their stay in the United States, the students complete a sixmonth work and residency program at Air Products' headquarters in Allentown, Pennsylvania.

The success of its first four participants (pictured at right) has caught the attention of academics who hail the program as a model for international cooperative education.

For more information or to explore a similar partnership, please contact Vanessa Vardon, Program Coordinator vardon@coe.drexel.edu +1(215) 895-6601

# Partner Profile

Shanghai Jiao Tong University



## Student Voice

Ge (Jeff) Pu Mechanical Engineering 2012

**Program**: Environmental Engineering **Hometown**: Hangzhou

**High school**: Dalian Maple Leaf

International School ge.pu@drexel.edu

#### Why Drexel?

I chose Drexel because of its fantastic co-op program. It will allow me to gain a lot of experience before I enter the workforce. I also knew that Drexel is a great school—it ranks in the top 100 universities in the U.S.

#### **Drexel Campus**

Drexel has five on-campus resident halls, and off-campus housing close to campus that is affordable for your budget. Drexel is a unique university that doesn't stop moving forward. They just completed a magnificent gymnasium facility, they're building a new science building and have plans for other new buildings on campus.

#### Living in Philadelphia

I love living in Philadelphia – there is so much to do! There are great museums, beautiful parks, tons of restaurants and shopping and many different theaters. Everything is so easy to get to by walking, taking the subway, shuttle or train. Philadelphia also has an amazing history. It was the nation's first capital, where the first bank was established and where the constitution was written and signed.







Celebrated pianist Lang Lang entertained faculty at College of Engineering Dean Selçuk Güceri's home in 2004.

Resources offer help & information

#### **English Language Center**

Ac c redited by the Commission on English Language Program Accreditation, the English Language Center offers courses for matriculated and non-matriculated students, including academic English, pre-MBA p reparation, TOEFL preparation and conversation. The ELC's American Cultural Connections features activities and events to welcome international students and facilitate integration into the academic and social life of Drexel and the larger community.

www.drexel.edu/elc elc@drexel.edu

#### Office of International Programs (OIP)

Helping to administer multidisciplinary, international educational programs across the University, the OIP promotes and fosters robust, mutually beneficial partnerships with universities abroad. It encourages global awareness and intercultural understanding among students and faculty.

www.drexel.edu/international oip@drexel.edu

## The Office of International Students and Scholar Services (ISSS)

ISSS offers a vast array of programs and services to international students, scholars, faculty and staff. The Office will gladly assist you with orientation programs and advice on immigration, financial, cultural and other concerns.

www.drexel.edu/isss intlprog@drexel.edu



## Global reach

Maintaining connections to peer institutions

Drexel's College of Engineering makes frequent visits to China to foster and maintain relationships that have become extremely important for students, faculty and alumni to make global connections between schools.

The map at left shows everywhere we have visited, but we hope to keep

expanding our mark on the map!

If you'd like us to visit and tell you more about our college, please contact:

Amy Campbell, Director of Recruitment acampbell@coe.drexel.edu +1 (215) 895-6658

Drexel's College of Engineering has exchange agreements with numerous universities, but few as picturesque as Hong Kong University of Science and Technology (HKUST). Drexel accepted its first exchange student from HKUST in fall 2009.

HKUST's commitment to providing a premiere education, leadership in research, and close collaboration with business and industry in promoting technology innovation make it an ideal match for the College of Engineering. If you are interested in establishing a similar exchange with the College of Engineering, please contact:

Hong Kong University of Science and Technology

Vanessa Vardon, Program Coordinator vardon@coe.drexel.edu +1 (215) 895-6601.



Sun Yat-Sen University enjoys a well-established relationship with Drexel.







Partner Profile



## About CoE Drexel's College of Engineering

Many of CoE's labs and research centers inhabit I.M. Pei's breathtaking Bossone Research Enterprise Center, made possible by a generous gift from Ed and Kay Bossone.

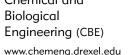
As the U.S.'s largest private college of engineering, CoE serves the students of engineering and computer science and promotes a progressive and sustainable society by offering a comprehensive, integrated and handson course of study enhanced by technology, co-operative education, global education and research.

The college offers a wide spectrum of degree offerings from BS, MS, PhD to our accelerated programs the BS/MS and the BS/PhD. The BS/PhD track is one of the college's most progressive programs and is the only one of its kind in the country.

### The College comprises seven areas of study:

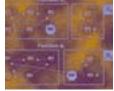


Chemical and Biological Engineering (CBE)





Civil, Architectural, and Environmental Engineering (CAEE) www.drexel.edu/coe/cae



Computer Science





Computer





Engineering (BSE) www.drexel.edu/coe





Materials Science and Engineering

http://mse.drexel.edu



Mechanical Engineering and Mechanics (MEM) www.mem.drexel.edu



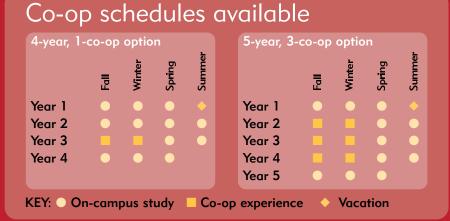
# Co-op Education

A pioneer in cooperative education since 1919, Drexel operates one of the nation's oldest and largest co-op programs and engages more than 1,500 local and international employers. Co-op experiences are internships woven into the university curriculum which allow students to apply the knowledge gained in the classroom.

Some of the benefits of co-op include:

- The experience is an invaluable networking tool. More than 25% of students are hired by one of their c o-op employers after graduation.
- Co-ops are generally paid positions, allowing students to earn money to supplement some of the expenses incurred while in school.
- Students acquire up to 18 months of work experience prior to graduation, giving them a competitive advantage in the full-time work force.
- Co-op gives students a chance to learn about their job preferences, allowing them a more focused job search after graduation.

For more information on Drexel's co-op programs, visit www.drexel.edu/scdc.



Co-op gives students a head start in their careers by placing them in actual, paid jobs that relate to their areas of study



## Assistance Scholarships and Financial Aid

International students at Drexel are eligible for merit-based awards, which include scholarships, assistantships and fellowships.

Drexel University awards a limited number of Dean's Scholarships to undergraduate students who have excellent academic credentials and potential for high academic achievement at Drexel. No application is needed for this scholarship, which is awarded upon admission to Drexel. Students will be notified by the director of admission if they have been awarded the scholarship.

International students must submit both their TOEFL and SAT scores to be considered for scholarships.

For more information on financing or scholarship opportunities at Drexel, please visit www.drexel.edu/financialaid/ international students.asp.



Applying
Online or in person

Visit www.drexel.edu/apply to apply online or download a paper application. The online application is free.

When you apply, you will need to submit the following items:

- Admission Application (Drexel accepts the Common Application)
- 1-2 page essay (optional)
- Transcripts
- Two Letters of Recommendation
- Standardized Test Scores

All applicants must take at least one of the following: SAT, TOEFL, or IELTS if your native language is not English. International applicants with both SAT and TOEFL or IELTS scores are considered more competitive candidates.

College of Engineering Averages:\* SAT: 1250

GPA: 3.5

TOEFL iBT: Minimum combined score of 79 and a 26 score or higher in the speaking section.

TOEFL paper-based exam: Minimum total score of 550 and the Test of Spoken English (TSE) exam with a minimum score of 55

IELTS: Minimum score of 6.5, however lower will be accepted if students take Teaching the English Language (ESL) with Drexel prior to their beginning term.

\*Please note that these are suggested benchmarks for students, but by no means absolute. Should a student not meet the average score, they should still consider applying to Drexel.







Dr. Richard Knight (MSE) speaks to students in CoE's outdoor courtyard.

The College of Engineering's faculty includes many highly respected engineers from around the globe, who balance cutting-edge research with dedicated teaching. Here is a sampling of the exceptional professors who call Drexel home.



Dr. Jaudelice Cavalcante de Oliveira Brazil

Department: Electrical & Computer Engineering

PhD, Georgia Institute of Technology Research: ad-hoc and sensor networks; network management; traffic engineering; congestion control; network routing

E-mail: jau@ece.drexel.edu

Department: Materials Science & Engineering PhD, Kiev Polytechnic Institute DSc, Institute of Materials Science, National Academy of Sciences Research: nanomaterials; carbon

Ukraine

nanotubes; Raman spectroscopy E-mail: gogotsi@drexel.edu



Dr. MinJun Kim Korea

Department: Mechanical Engineering & Mechanics PhD. Brown University

Research: micro/nanoscale fluid mechanics; biological transport phenomena; optical diagnostics for bio/micro/nanofluidics; single molecule biophysics; micro/nanoscale actuators and sensors

E-mail: mkim@coe.drexel.edu



Dr. Ken Lau China (Hong Kong)

Department: Chemical and Biological Engineering PhD, Massachusetts Institute of Technology Massachusetts (MIT)

Research: polymer thin films and devices; engineering of materials for solar cell, battery and biomedical technologies; particle coatings; chemical vapor deposition; surface science; nanotechnology.

E-mail: klau@drexel.edu



Dr. Alan Lau China (Hong Kong)

Department: Mechanical Engineering & Mechanics PhD, Massachusetts Institute of Technology (MIT)

Research: deformation, fracture and fatigue; damage tolerance; structural integrity; engineered materials; biological materials; computational simulation

E-mail: lau@drexel.edu



Dr. Ko Nishino Japan

Department: Computer Science PhD, University of Tokyo Research: computer vision, computer graphics, analysis and synthesis of visual appearance

E-mail: kon@drexel.edu



China Department: Civil, Architectural

and Environmental Engineering PhD, University of Iowa Research: building energy efficiency; indoor air quality; alternative energy

E-mail: jinwen@drexel.edu