



# China Engagement

Office of the Provost, Public Partnership & Outreach

## People’s Republic of China

### Overview

Texas A&M faculty and Colleges are engaged in extensive partnerships and collaborations with institutions and counterparts in the People’s Republic of China. Among these ties are scores of joint research projects, study abroad opportunities, training programs, and other collaborative ties. Below are examples of college initiatives in China, spearheaded by faculty members. An abbreviated table of key formal agreements are included under each College listed in this report. These do not include the many informal, personal collaborations among faculty, staff, and students. Because of diversity of interests and strategic initiatives led by the Colleges, Texas A&M University’s only active University wide academic agreement is with Tianjin University.

#### **Current students from China enrolled in degree programs at Texas A&M University:**

Fall 2018	1778
Fall 2017	1761
Fall 2016	1707
Fall 2015	1736

#### **Texas A&M students studying abroad in China:**

2017-2018	185
2016-2017	266
2015-2016	185
2014-2015	243

#### **Number of active agreements with Chinese institutions:**

2017-2018	27
2016-2017	23
2015-2016	15
2014-2015	12

#### **Visiting Chinese scholars and interns at Texas A&M University:**

2018-2019	149*
2017-2018	203
2016-2017	257
2015-2016	272

\* represents only 9/1/2018 - 2/12/2019

Data sources for the above include: [accountability.tamu.edu](http://accountability.tamu.edu); [iss.tamu.edu](http://iss.tamu.edu); [isfs.tamu.edu](http://isfs.tamu.edu); Study Abroad Programs Office; Public Partnership & Outreach.

### Key College-level Initiatives

#### **The Bush School of Government and Public Service**

Roughly a tenth of every incoming cohort of students in the Bush School’s Department of International Affairs select China as one of their areas of graduate study. The Bush School has a student exchange program with Shanghai Institute of International Studies (SIIS). Every other year since 2008, the IA Department in the Bush School has sent one student to SIIS and has hosted one student from SIIS for one semester. In addition to SIIS, the Bush School has also established collaboration with China Foreign Affairs University and Southwest University of Finance and Economics for regular study abroad programs. Formal MOUs cover each of these relationships. Since 2005, the Bush School faculties have led seven China study abroad programs, with the most recent one scheduled to take place in May 2019. In terms of research collaboration, Dr. Ren Mu and Dr. Xinsheng Liu in the Bush School have worked with the Survey and Research Center for China Household Finance at the Southwest University of Finance and Economics (SWUFE) and collected data on various issues related to public opinions of governance and



public policies through the China Governance and Public Policy Survey (C-GPPS). The C-GPPS recently completely three new survey waves.

Dr. Ren Mu is a research affiliate with the Institute for Population and Labor Economics, Chinese Academy of Social Sciences. She also collaborates with researchers in Beijing University and Guangzhou University.

Dr. Xinsheng Liu is also a visiting professor at Inner Mongolia University and a senior research fellow at Peking University, Dr. Liu regularly conducts collaborative research projects on various public policy issues with Chinese colleagues.

Dr. William Norris directs the Bush School’s concentration in China Studies. He frequently engages with elements of the US China policy making community (particularly in his research areas of economics and security). He has been hosted by Beijing University’s School of International Studies, City University of Macau, as well as China’s Foreign Affairs University.

<b>Partner Institution</b>	<b>Start date dd/mm/yyyy</b>	<b>End date dd/mm/yyyy</b>
China Foreign Affairs University (CFAU) *	14/07/2014	14/07/2019
Shanghai International Studies University *	17/11/2010	07/08/2022
Southwestern University of Finance and Economics (SWUFE) *	24/10/2013	06/09/2022

*Agreements that outline a Reciprocal Education Exchange Program are denoted with an \**

### **College of Agriculture and Life Sciences**

The College of Agriculture and Life Sciences has many collaborations with faculty and institutions in China on diverse topics such as biochar applications, healthy watersheds, agricultural engineering, zoonotic parasites, biochemistry, functional genomics, surface properties of clay minerals, mycoviruses and their interactions with plant pathogenic fungi, high-speed cotton regeneration, international horsemanship, oil spill cleanup, prunus and rosa breeding and genetics, animal nutrition, reproduction, meat science, biosensor development in feedlots, grazingland ecosystems, water resource management, hurricane risk assessment, and water security. The collaborations range from hosting visiting faculty and students, joint publications, study abroad programs, regular exchange of doctoral students and postdoctoral research associates, overseeing the creation of educational programs, joint research grant funding, co-hosting international research symposiums, and formal research agreements.

Collaboration between Fujian Agriculture and Forestry University (FAFU), Fujian, PRC and Dr. Daniel Ebbole, Texas A&M Plant Pathology began in early 2012 and is focused on research pertaining to rice blast disease to study virulence factors and on Fusarium diseases of Wheat and Maize. This project has been directed by Dr. Daniel Ebbole, from the Department of Plant Pathology, and has involved multiple Texas A&M faculty visiting FAFU. In addition, this partnership has received funding from the China Scholarship Council to send undergraduate students from FAFU for ten months, and more than 30 undergraduate and graduate students have visited A&M since 2014. Finally, Dr. Ebbole and Dr. Won-Bo Shim have led a number of Study Abroad trips to FAFU from Texas A&M.

The USDA-Foreign Agricultural Service in 2018 awarded a grant to researchers in the Animal Science Department. Drs. Kerri Gehring, Russell H. Cross, and Ashley Arnold for research with a focus on best practices on beef trade with China.

<b>Partner Institution</b>	<b>Start date dd/mm/yyyy</b>	<b>End date dd/mm/yyyy</b>
Fujian Agriculture and Forestry University (FAFU)	30/10/2012	26/07/2022

### **College of Architecture**

The College of Architecture sponsors a semester abroad consisting of 3 courses covering history, systems and development of Chinese architecture. Additionally, they have built a robust relationship with land development



and Design for Health initiatives including studios by faculty and staff with design elements for cancer and community hospitals, presented to City of Shanghai, City of Puyang, City of Nanjing, Chinese Ministry of Interior, international design firms, and China Friendship Association, both on campus and in China.

<b>Partner Institution</b>	<b>Start date dd/mm/yyyy</b>	<b>End date dd/mm/yyyy</b>
Tianjin University	11/12/2007	31/05/2023

### **College of Education & Human Development**

Dr. Fred Nafukho and the Department of Educational Administration and Human Resource Development have hosted an annual training in partnership with the Office of International Cooperation and the National Academy of Education Administration for 25-40 higher education leaders of Chinese Universities. The training has traditionally included briefings, discussion and tours hosted by Texas A&M University (TAMU) faculty and administrators on issues of higher education, human resource, student and faculty leadership development. Department to receive funding for certification equal to trainings they provide for domestic educational leaders, resulting in additional resources for department student initiatives.

An MOU has been executed by Texas A&M, the College of Education & Human Development’s (CEHD) Center for Research and Development in Dual Language and Literacy Acquisition (CRDLLA), the Education Leadership Research Center (ELRC), and the Beihai Haicheng No. 1 Experimental Primary School, a public school in China. The purpose of the MOU is to establish an educational experimental site for research programs related to second language/dual language acquisition conducted by CEHD CRDLLA and ELRC. Additionally, the MOU encourages the exchange of students to enhance/broaden the international experience, virtual teacher professional development programs, and avenues for strengthening the partnership and furthering academic excellence in the United States and China. This MOU encourages cross-collaboration with other TAMU programs.

<b>Partner Institution</b>	<b>Start date dd/mm/yyyy</b>	<b>End date dd/mm/yyyy</b>
Beihai Haicheng No. 1 Experimental Primary School	12/01/2019	12/01/2024

### **College of Engineering**

The Texas Engineering Experiment Station (TEES) is collaborating with Shenzhen Institutes of Advanced Technology that will lead to joint research and funding opportunities in Non-invasive Assessment of Vascular Restenosis after Stent Implantation based on a Positive Contrast Magnetic Resonance Imaging Technology.

Additionally, five research grants were awarded toward research projects in Engineering during 2016 and 2017, consisting of 2 Chemical Engineering projects with China University of Petroleum (CUP), 2 Mechanical Engineering projects resulting in a Testing Agreement with Chinabest Home Appliance Co., Ltd. sponsorship, and 1 in TTI project with sponsorship from the Research Institute of Highway (RIOH) Ministry in China.

The College of Engineering has established collaboration with a multitude of Chinese institutions and corporations for multiple study abroad programs including faculty lead programs and research opportunities for engineering undergraduate and graduate students. The Department of Chemical Engineering conducts multiple study and research abroad collaborations in the areas of Process Safety and Chemical Process. The Department of Petroleum Engineering (Drs. Dan Hill, Jerome Schubert, Teri Reed, & Ding Zhu) has strong partnerships with Tarim Oil Field, China University of Petroleum, China Sinopec Group, and the China National Offshore Oil Corporation to increase research opportunities in the field of Petroleum Engineering. The Electrical Engineering Department (Drs. Miroslav Begovic, Shankar Bhattacharyya, Mladen Kezunovic, P.R. Kumar, Robert Nevels, Peter Rentzepis, Haiyan Wang, and Le Xie) have strong collaborations in research, education and training with Tsinghua University, China Southern Power Grid, Chinese Society of Electrical Engineers (CSEE), Shanghai Jiao Tong University, Dell Computer Corp. for China, Suzou University in China.



<b>Partner Institution</b>	<b>Start date dd/mm/yyyy</b>	<b>End date dd/mm/yyyy</b>
Harbin Institute of Technology	01/12/2014	01/12/2019
Shanghai Jiao Tong University *	16/08/2002	15/01/2023
The Hong Kong University of Science and Technology *	06/03/2005	16/01/2024
Tianjin University - CHEM	25/05/1998	31/12/2018
University of Electronic Science and Technology of China - ECEN	15/07/2014	15/07/2019
University of Michigan, Shanghai Jiao Tong University, Joint Institute*	15/01/2018	15/01/2023
University of Nottingham Ningbo*	15/08/2016	15/08/2021
Wuhan University - ECEN	29/10/2014	29/10/2019

Agreements that outline a Reciprocal Education Exchange Program are denoted with an \*

## College of Geosciences

The College of Geosciences has numerous collaborations with partners in China. These include dual degree College of Geoscience Dual Ph.D. programs with Ocean University of China (OUC): The Department of Oceanography has had a collaborative Ph.D. program with Ocean University, Qingdao, China since 2008. Chinese students spend their first one-two years in Qingdao, then transfer to Texas A&M University (TAMU) to complete coursework and carry out research. As of 2013, the program had produced 17 PhDs and one MS degree, and another 11 students are registered through the program. Additionally, the Memorandum of Understanding (MOU) has led to joint research projects, with publications in top journals. Novel aspects of the program include joint funding by U.S. and China, co-chairing graduate committees by both university faculties, interviewing students in Qingdao before they are accepted by TAMU, and initial studies in one country and then transfer to the other. The dual degree program between OUC and the College of Geosciences has recently expanded the dual degree program to include the Department of Atmospheric Sciences in addition to the program already in place by the Department of Oceanography.

Cooperative undergraduate program in environmental resilience. The College of Geosciences and the College of Agriculture and Life Sciences are taking the lead to establish a cooperative undergraduate program in environmental resilience with OUC. Objectives of this program are to ensure significant student mobility and cultural immersion; engage a minimum of 50 students (25 student from each university) participating each term (fall, spring and summer) in the program; establish a CUP which is financially self-sustaining following the initial implementation phase; immerse TAMU students in a high impact study abroad including language immersion and cultural experiences with no time loss to completion of their degree plan; and Immerse OUC students in an international high impact program that leads to an OUC degree and TAMU degree.

International Laboratory for High Resolution Earth Systems Prediction (iHESP) has been established to address pressing need to develop a new advanced modeling framework for high-resolution multiscale Earth system predictions, Qingdao National Laboratory for Marine Science and Technology (QNLN), TAMU, and the U.S. National Center for Atmospheric Research (NCAR) are collaborating to establish the International Laboratory for High-Resolution Earth System Prediction (iHESP). This international collaboration has the potential to yield enormous social, economic, and environmental benefits, making it an extremely valuable effort for policymakers and stakeholders. The new laboratory located here at TAMU will play a fundamental role in moving Earth System science and prediction forward by combining the expertise of these three renowned research institutions to pursue transformational efforts in the development of high-resolution Earth System models. iHESP is located at the Crystal Plaza Parkway, 2700 Earl Rudder Freeway, College Station, Texas.

<b>Partner Institution</b>	<b>Start date dd/mm/yyyy</b>	<b>End date dd/mm/yyyy</b>
Ocean University of China (OUC) – Dual Degree	04/05/2007	26/07/2021
Qingdao National Laboratory for Marine Science and Technology	16/11/2017	16/11/2021
Tongji University	04/09/2007	24/05/2019



## College of Liberal Arts

Economics - China Household Finance Survey: Professor Li Gan of Department of Economics, leads a collaborative field survey of China by completing and evaluating regional, local and household finance survey. The survey engagement of communities and individual family participants is heralded as one of the closest and most identifiable resources of information into the Chinese homes and communities. Partnerships include the Southwestern University of Finance & Economics and the Peoples Bank of China.

The College of Liberal Arts features numerous disciplines with teaching and research related to China. Dr. Dudley Poston, George T. Gladys H. Abell Professor, Sociology is considered one of the nation's leading scholars on demography, human ecology and sociology of East Asia populations. He holds adjunct professor ties to People's University (Beijing), Fuzhou University (Fuzhou) and Nanjing Normal University (Nanjing). The Department of International Studies includes languages and geo-socio studies in Mandarin, and other dialects. Scholars across Liberal arts apply humanities and social science research to Asia Pacific region.

The Certificate in China Studies prepares students for a global future through the study of economic, social, and political issues in historical and contemporary Chinese society. This program is jointly offered by the College of Liberal Arts and the George Bush School of Government and Public Service. Students complete the certificate by completing graduate courses from both colleges. This certificate is open only to graduate students at Texas A&M University who currently are enrolled in a graduate degree program.

<b>Partner Institution</b>	<b>Start date dd/mm/yyyy</b>	<b>End date dd/mm/yyyy</b>
Capital University of Economics and Business * - ECON	30/04/2015	30/05/2021
Southwest University	18/06/2015	18/06/2020
Southwestern University of Finance and Economics (SWUFE) *- ECON	28/03/2011	08/04/2021
University of Nottingham Ningbo, China *	30/07/2014	30/07/2019

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## College of Science

The Department of Math has entered into a partnership with Beihang University (Beijing) which allows Chinese students to complete their studies at TAMU while in their senior year. At the end of one year at Texas A&M University (TAMU), the students receive a Certificate of Completion from the College of Science and a degree from Beihang. Students wishing to continue at TAMU may apply to graduate school and matriculate normally and are financially supported by Beihang University.

<b>Partner Institution</b>	<b>Start date dd/mm/yyyy</b>	<b>End date dd/mm/yyyy</b>
Beihang University - MATH	15/07/2014	15/07/2019
Renmin University of China (Dual Degree – STAT)	16/12/2015	16/12/2020

## College of Veterinary Medicine & Biomedical Sciences

Several faculty will be participating in a U.S.-China Scientific Exchange Program focusing on knowledge and technology exchange between the U.S. and China to address conditions of swine from a One Health perspective. This exchange will allow researchers from Texas A&M University (TAMU) and China to meet and share experiences related to effective surveillance, prevention, and control of pig pathogens, including those of a zoonotic nature (i.e. diseases transmitted from animals to people). Establishing new and strengthening existing collaborations between TAMU and institutions in China will allow for the development of future mutually beneficial projects in the fields of veterinary epidemiology and swine production and health, with an eye towards capacity building and expanding markets.



## Mays Business School

Mays Business School along with China’s Southwestern University of Economics & Finance teamed up with four European Union Universities, viz., Universitat Hohenheim (Stuttgart, Germany --lead institution), Ca’ Foscari University of Venice, Italy, Universite’ de Strasbourg (France), and Universite’ de Liege (Belgium) to form a faculty-oriented Research Network in “Innovation, Entrepreneurship and Finance” that is funded by DAAD ( a research-supporting agency of German Government) with a seed money grant of €800,000 for the 2015-2022 period to support joint research in those cutting-edge fields.

Mays Business School Student exchange program with “The University of Nottingham in Ningbo” effective 30/08/2016. This MOA was between Mays Business School and the University of Nottingham’s three campuses in Nottingham, Ningbo and Kuala Lumpur (Malaysia).

Mays Business School is initiating a new 23-credit hour “Certificate in Chinese Business” program that focuses on Chinese business culture and the challenges and opportunities of conduction business in China. The program will require proficiency in Mandarin, a mandatory semester abroad with one of our esteemed Chinese partner business schools, and a minimum of one-month internship in China with Chinese or multinational enterprises.

Partner Institution	Start date dd/mm/yyyy	End date dd/mm/yyyy
Beijing Jiaotong University - School of Economics and Management at Beijing Jiaotong University *	27/04/2009	27/02/2024
Peking University *	01/05/1998	16/09/2021
The Hong Kong University of Science and Technology - The School of Business and Management *	02/02/2003	08/08/2023
Tsinghua University *	12/11/2004	23/08/2021

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## School of Law

Recent faculty hires include scholars who focus on international law and China. Individual faculty frequently guest lecture in leading Chinese universities including Peking University, China University of Politics and Law, and Tongji University. The School of Law hosted the 17th Annual Chinese Internet Research Conference—a program founded by Center for Law and Intellectual Property Director, Professor Peter Yu.

## School of Public Health

School of Public Health (TAMU-SPH) has established long-term collaboration with universities in China. Dean Jay Maddock has instituted a number of MOUs with universities in China over the past three years including Xiamen University (XMU), Nanchang University, and Wuhan University. The dean’s most recent collaboration has been with Wenxin Wang from Jiangsu University. Several papers have been published on patient-physician trust in hospitals in China. Dr. Alicia Hong, Associate Professor in Health Promotion and Community Health Sciences, created a study abroad course in 2012 and taken students to China four times since 2013. XMU sent students to TAMU-SPH in summer 2017. In summer 2018, 15 undergrad students from Texas A&M visited China with partial scholarship assistance from XMU-SPH. Dr. Alicia Hong has collaborated with faculty in XMU and Sun Yat-sen University through funding from National Science Foundation of China and China Medical Board (via Rockefeller Foundation).

Partner Institution	Start date dd/mm/yyyy	End date dd/mm/yyyy
Nanchang University	31/05/2016	31/05/2021
Wuhan University	02/06/2016	02/06/2021
Xiamen University School of Public Health	26/05/2016	26/05/2021

