

College of Engineering and Technology
Globalization, Engineering, and Technology - China
Spring 2007

Description

This program is designed for all students from the College of Engineering and Technology.

Globalization is changing how engineering and technology activities are done across the world. One consequence of this is that companies which design and manufacture products are more likely to be spread across multiple locations in the future than ever before. A major driver of this corporate "geo-spread" is the availability of inexpensive communications technology which allows significant interaction between technical teams across long distances. Individuals with the inclination and preparation to pursue global opportunities will be provided a broader and broader range of career options in the future, even as "off-shoring" threatens to diminish the number of technical positions in the USA.

The first objective of this program is to help students understand the most important issues involved in globalization and technology and to acquire skills needed to participate in and manage engineering and technology activities in a global environment. A second objective of this program is to increase students' understanding of: (1) how culture shapes how people think, live, and work, (2) how culture affects governments and economies, (3) and how culture affects the practice of engineering and technology. This will prepare them to take advantage of the new opportunities globalization provides, and prepare them to enter leadership roles in a variety of career areas.

Nanjing University will host our students in this spring-term intensive program. The program will consist of a globalization course taught by the program director plus a variety of language/culture courses taught by Nanjing University faculty. Coursework will be supplemented by regular visits to design and manufacturing sites, interacting with both native Chinese technical personnel as well as foreigners working in China. Students need not have completed training in Chinese prior to attending the program as the globalization course and Chinese culture courses will be taught in English.

Studying in Nanjing will also give students a wonderful opportunity to experience the culture and interact with the people in China on a daily basis during the period of the program. It will also introduce students to a large and important cross-section of Chinese history, as Nanjing was the capital of ten dynastic houses that ruled China for over a thousand years. The program will include organized tours of local historical sights near Nanjing along with mid-program tours to both Shanghai and Beijing.

Curriculum/courses

Each student is required to take six credit hours during the program which will include the director-taught course on Globalization and Technology plus a Chinese language/culture course to be taught by Nanjing University faculty. Students need not have completed any Chinese language study prior to enrolling in the program. At least two Chinese courses will be offered including: beginning Chinese language/culture and intermediate conversational Chinese.

Faculty Director/Advisor

Dr. Brent E. Nelson, Professor of Electrical and Computer Engineering at BYU will serve as program director. He has been on the faculty at BYU since 1984. He served as department chair

of Electrical and Computer Engineering from 1993-1997 and currently serves as program head for the Computer Engineering program.

For more information, please contact: Brent Nelson, nelson@ee.byu.edu, 435-B CB, (801) 422-6455 or International Study Programs, 280 HRCB, (801) 422-3686.

Housing

Students will live in Nanjing University's foreign student housing complex.

Semester/Dates

8 May – 20 June

Cost

Approximately \$2,700–2,900, which includes tuition, housing, entrance fees, and transportation and lodging for all group travel. Most meals, airfare, personal expenses, and medical insurance are not provided.

In addition, the College of Engineering and Technology Dean's office will be providing scholarship support to all students enrolling in the program to help reduce the program cost further. Contact the program director for additional details.

Financial Aid

Regular BYU tuition scholarships, Pell grants, and Federal Insured Student Loans may be applied to Study Abroad programs. Students who have a current FAFSA form on file at the Financial Aid office (A-41 ASB) will be considered for a Study Abroad scholarship (see individual programs for deadline).

Application Procedure

Complete the ISP online application at <https://kennedy.byu.edu/isp/online/app>. Contact the director for an initial interview once your application is complete. The application deadline is December 15, 2006. International Study Programs' Study Abroad reserves the right to cancel this program, revise its offerings, or to make any adjustments to the preliminary cost estimates due to conditions beyond its control.

Orientation

All students who are accepted into the program are expected to register through International Study Programs for a one-credit pre-departure preparation class held during the second block of winter semester 2007. Part-time BYU students and non-BYU students will need to pay an additional \$185 tuition fee for enrolling in the required pre-departure prep class.