GCSP Launched at Peking University

On October 17, 2017, the Launch Ceremony of the US National Academy of Engineering (NAE) Grand Challenges Scholars Program (GCSP) was held at the Global Innovation and Entrepreneurship Center of Peking University (PKU). PKU becomes the first university from mainland China joining in the GCSP network.

Five Components of GCSP at PKU

**Research Experience**
- PKU Makers Lab
- CAPSTONE Design Program
- Thesis research and summer research

**Entrepreneurship**
- Engineering World Industrial Mentors Program
- Global Innovation and Entrepreneurship Center
- Internship

**Interdisciplinary Curriculum**
- GCSP seminar
- Existing courses related to the Grand Challenges

**Sustainability**
- Environmental Issues Research Experience
- Environmental Issues and Policy in China
- Environmental Evaluation and Global Change
- Global/Environmental Issues
- Our Changing Planet

**Security**
- Security of Information System
- Cryptography and Cyber Security
- Global Communication and Society
- Science and Public Policy
- Urban Infrastructure Planning
- Cross-cultural Management

**Joy of Living**
- System thinking about complexity
- Globalization and identity
- Health
- Health in Culture: Concepts of Health, lifestyles, and culture
- Art and aesthetic
- Introduction to Music
- Shadowboxing

**Service Learning**
- Summer social service including tutoring activities and poverty alleviation
- Outreach

**Global Perspective**
- Global Innovation Master Project
- 1-Podium Education Cooperation Program
- GLOBEX

**Partnership Through Global Exchange Program**

The Globex Jilinster program is an innovative study-abroad model that focuses on the following core elements of 21st century progress: Engineering & Science, Entrepreneurship & Business, Society & Globalization. It fosters professional mobility in terms of students’ knowledge, skills, geography and relationships by offering unique, career-oriented courses and off-campus activities that create links to China and the world.

The Globex Jilinster program offers a suite of English-language based classes linking PKU Engineering to a broad range of leading universities from around the world. It is designed to allow students to take 1-2 full length courses over a period of 3 weeks in July and getting 3-6 PKU credits for the classes (http://globex.coe.pku.edu.cn/).

Vision of GCSP at PKU

Our vision is to have GCSP help ensure the GC Scholars achieve the broadened education and innovative research training addressing the Grand Challenges, and to have our GCSP become a cradle for educating future engineering leaders and entrepreneurs with global perspectives and social awareness.

PKU expects its GC Scholars to be able to recognize and act on their ability to make real efforts towards solving the world’s Grand Challenges. GC Scholars will create innovative ideas that will solve the most pressing issues of today to meet the basic needs of all people and work for a higher standard of living. PKU expects them to understand that it takes people from various disciplines to solve these problems, which must be considered from different angles. They will work to build their entrepreneurial skills, which will allow them to take their ideas into the business world. Furthermore, GC Scholars will realize both that they work in a global environment and that they work to sever the public and improve the general welfare of all human being.