GLOBALLY ENGAGED

Faculty, staff and students operate in a competitive global marketplace where engineering designs and products are increasingly integrated into global networks and supply chains. Through strategic investments and targeted collaborations, The Ohio State University College of Engineering is positioned to be a leader in international engineering education and research.

INTERNATIONAL PARTNERSHIPS

The College of Engineering has formalized agreements with universities, research centers and industry partners in 13 countries on five continents.

**Australia**
- University of Queensland
- Beihang University
- China Academy of Machinery Science and Technology
- Dalian University of Technology
- Shanghai Jiao Tong University
- Shanghai Nuclear Engineering Research and Design Institute
- Tianjin University
- University of Electronic Science and Technology of China

**Brazil**
- Univers. Federal de Campina Grande

**China**
- Beihang University
- Harbin Institute of Technology
- Chinese Academy of Sciences
- China Academy of Machinery Science and Technology
- Dalian University of Technology
- Shanghai Jiao Tong University
- Shanghai Nuclear Engineering Research and Design Institute
- Tianjin University
- University of Electronic Science and Technology of China
- Wuhan University of Technology

**Egypt**
- Cairo University

**France**
- École Nationale Supérieure de Mécanique et d’Aérotechnique

**Germany**
- Forschungsinstitut für Kraftfahrwesen und Fahrzeugmotoren Stuttgart
- University of Stuttgart

**India**
- Aligarh Muslim University
- Indian Institute of Technology, Bombay
- Indian Institute of Technology, Dehli
- Indian Institute of Technology, Kanpur
- International Ctr. for Automotive Tech.

**Italy**
- Politecnico di Milano
- Politecnico di Torino
- University of Pisa
- University of Salerno

**Japan**
- Suzuka College of Technology

**Pakistan**
- M A Jinnah University Controls and Signal Processing Research Group

**Poland**
- Warsaw Technical University and Institute of Aviation

**South Korea**
- Hanseo University

**Thailand**
- Chulalongkorn University

INTERNATIONAL DUAL DEGREE PROGRAMS

The College of Engineering is a leader in establishing dual degree programs with partner universities worldwide.

The programs provide students with the opportunity to collaborate with faculty at both participating universities through coursework and research. Upon completion, students earn two degrees, one from each university.

**Combined Degree (BS/MS) Program**

Students from the partner university spend all or part of their senior year at Ohio State taking courses that will count toward the BS from their home institution as well as toward the MS degree from Ohio State.

Currently, the Department of Electrical and Computer Engineering offers this dual degree option to students from Shanghai Jiao Tong University (SJTU) and the University of Electronic Science and Technology of China (UESTC).

**Dual MS Program**

Aerospace engineering students from Ohio State and École Nationale Supérieure de Mécanique et d’Aérotechnique can apply for admittance to this program. Upon successful completion of the two-year program, students will earn an MS degrees from each university.

**Dual PhD Program**

Materials science and engineering students from Ohio State and SJTU can apply for admittance to this program. Upon successful completion of the program requirements, students will earn doctorate degrees from each university.

LEARN MORE ONLINE

global.engineering.osu.edu
UNDERGRADUATE GLOBAL EDUCATION PROGRAMS

Students of the 21st century need to be prepared to practice engineering in a global environment and recognize the vital importance of active global citizenship.

Undergraduate students are afforded many unique opportunities to globalize their engineering education here at Ohio State. Whether examining the global impact of engineering decisions, researching biomedical optics in China, coming up with solutions for sustainable food production in Honduras, or setting speed records on the Isle of Man, Buckeye engineers are venturing beyond the classrooms and the labs of Columbus and finding success in every corner of the globe.

GLOBAL OPTION IN ENGINEERING

The Global Option in Engineering (GO ENGR) program infuses global perspectives into the undergraduate engineering curriculum and involves course selections with global perspectives as part of the various engineering degree programs.

GO ENGR educates students on the impact of global cultural diversity on engineering decisions. Students plan an undergraduate engineering curriculum with elements related to international themes and global dimensions without adding time to graduation by selectively using credit hours already required for their chosen engineering major. Upon successful completion, students receive an Engineering Global Option designation on their transcript.

HUMANITARIAN ENGINEERING AND INTERNATIONAL SERVICE LEARNING

Humanitarian engineering is the creation of technologies that help people. The college’s Center for Humanitarian Engineering, its Humanitarian Engineering Minor, and its array of international engineering service learning programs provide students with academic and in-country experiences designed to introduce and teach the concepts of humanitarian engineering through practical, hands-on experiences. These programs consist of a semester-long course in which students assess needs, and then research, design, develop and document various projects that are implemented during a separate one or two week in-country experience.

ENGINEERING GLOBAL COMPETENCIES

1. Understand impact of global cultural diversity on engineering decisions.
2. Deal with ethical issues arising from cultural or national differences.
3. Communicate across cultural and linguistic boundaries.
4. Work in ethnically and culturally diverse teams.
5. Understand the connectedness of the world and the workings of the global economy.
6. Understand international aspects of engineering topics.
7. Possess familiarity with the history, governments and economic system of targeted countries.

ENGINEERING EDUCATION ABROAD

More than 300 College of Engineering students venture abroad to nearly 40 countries each academic year, enhancing their understanding of the world and the international aspects of engineering.

To support this student interest, the College of Engineering sponsors a series of discipline-specific and faculty-led education abroad programs for both undergraduate and graduate students.

Spring Break Programs

- ENGR 2797.11: Engineering Service Learning in Montaña de Luz, Honduras
- ENGR 5797.14: Engineering Outreach, Colombia
- ENGR 5797.16: Engineering Service Learning, Haiti
- ARCH 5798: Rio Culture and City

May Term Programs

- ENGR 5797.11: Engineering Service Learning in Choluteca, Honduras
- ENGR 5797.12: Culture and Engineering in India
- ENGR 5797.13: Engineering Castles & Cathedrals in England and Wales
- ARCH 5797: Architecture Studies Program in Italy
- ARCH 5798: European Architecture Studies
- CRPLAN 5798: Taiwan – Themes in City and Regional Planning
- CRPLAN 5798: Ghana – Sustainable Change

Summer Programs

- ENGR 5797.15: Korea Aerospace University

Winter Break Programs

- ENGR 5797.17S: Engineering Service Learning in Ghana

Semester Length Programs

- ENGR 5797.04 Study Abroad in East Asia
  - Shanghai Jiao Tong University, Shanghai, China
  - Beihang University, Beijing, China
- ENGR 5797.07 Study Abroad in Oceania
  - University of Queensland, Brisbane, Australia

CONTACT

Engineering Global Studies Office
3022 Smith Laboratory
174 West 18th Avenue
Columbus, OH 43210
Phone: 614-292-9487