

Dept. of Energy, Environmental and Chemical Engineering (EECE)

Global PhD Pathway in EECE

A pathway program is available to students interested in working collaboratively on challenging problems of global impact involving a faculty member from another leading global university. The Department has established collaborations with a range of Universities through MAGEEP – McDonnell Academy Global Energy and Environmental Partnership (mageep.wustl.edu). The Department faculty also have several collaborative projects, and some large center type efforts such as the Consortium for Clean Coal Utilization (CCCU), with a DOE US-China Clean Energy Center; recently concluded Solar Energy Research Institute for India and US (SERIUS); Center for Aerosol Science and Engineering (CASE) – funded by NSF Binational Programs, and a 17 University Global Aerosol Network; and the Center for the Future of Energy.

The pathway is open to PhD degree applicants to EECE. They will be part of a cohort group working on problems of global relevance and interact with the peer group. In addition, the student will avail of interactions with faculty at other institutions, collaborating with the primary Advisor at Washington University. Visits to the partner University are also possible, and highly encouraged. The student will be able to attend a MAGEEP Symposium (35 partner University network participation) held every two years.

Eligibility for this program is open to UG students receiving a BS degree from any US University. Students receiving degrees from the international Universities listed below are also eligible. The number of students assigned to this pathway will be limited; so students interested are requested to check the appropriate box during the application process. Interested faculty will identify a collaborator at the partner University, and a list of projects will be made available to the student.

Students selected for this global pathway program may receive additional support to engage in international activities. On graduation, the students will receive an EECE Global PhD Pathway Certificate.

Requirements to earn Global Pathway Certificate:

- a) Faculty at Wash U will identify a partner University faculty who could be a co-Advisor, or at a minimum, serve on the PhD Committee
- b) Co-author at least one joint refereed publication with faculty member at partner University
- c) Participate in Global Pathway Cohort meetings – organized twice or thrice a semester.
Demonstrate leadership activities related to global activities through these meetings

Selected List of Partner Universities:

Tsinghua University, China
IIT Bombay, India
IIT Delhi, India
Xian Jiaotong University, China
Technion University, Israel