

SDSU and Cal Poly Pomona Undergraduate and Graduate Students

Summer Research Trip to Brazil to Study Water and Sustainability



Apply by January 10, 2019. For more information and a link to the application materials, go to: <http://safewater.sdsu.edu/>

Eligibility Requirements

- Must be enrolled in a degree program at SDSU or Cal Poly Pomona by Fall 2019.
- Preference given to students from engineering, anthropology, or a sustainability-related discipline (including but not limited to public health, geography, environmental sciences, biology, chemistry) with junior, senior or graduate standing. Current seniors should apply to a graduate program at SDSU.
- Exceptional pre-major candidates will be considered on a case-by-case basis.
- Students from groups that are underrepresented in science and engineering are encouraged to apply.

Description of the Project

This project will enable cohorts of students from engineering, anthropology, and other sustainability-related disciplines to collaborate and study the performance of wastewater treatment technologies and the role of culture and perceptions on the safe recovery of resources from wastewater. A total of 6 students per year will be supported to travel to Brazil for six weeks where they will study wastewater treatment technologies at full-scale facilities and at the Center for Research and Training in Sanitation (CePTS) in the Brazilian state of Minas Gerais. In addition to broadening perspectives about sanitation, resource recovery, and risk within an interdisciplinary team setting, this project will provide opportunities to develop intercultural abilities and awareness. Students will complete a five-day intensive “crash course” on water and sanitation, Brazilian culture and Portuguese language, led by the SDSU Program on Brazil. They will gain an awareness of international, interdisciplinary, and community perspectives on the role of engineering and technology in the management of water, energy, and food systems. After returning to California, students will share their experiences by presenting at scientific conferences, speaking to other students at SDSU, and engaging in local outreach activities at local K-12 schools.