

ENGINEERING AND COMMUNITY ENGAGEMENT, CERTIFICATE

Requirements for an undergraduate certificate may be completed at any campus location offering the specified courses for the certificate.

Program Description

A certificate in Engineering and Community Engagement is proposed for students in the College of Engineering. This certificate is intended to acknowledge students who have gained proficiency in design, research and application of appropriate technologies for use in serving communities in the U.S. and abroad while stressing an awareness of the cultural context of such engineering activities. Collaborations with communities are strongly encouraged along with emphasis on the importance of ethical considerations in collaborating/working in community settings. All students in good academic standing are eligible for admission to the program.

What is Engineering and Community Engagement?

Engineering and Community Engagement is the certificate for the Humanitarian Engineering and Social Entrepreneurship program. It focuses on combining social entrepreneurship, innovation, and reciprocal community co-design to address significant needs of communities around the world, all while stressing cultural appropriateness, sustainability, equitable collaboration, and teamwork. Students will have the opportunity to practice design and innovation, community engagement, business model development, research, and communication skills. Students completing the program will have defined complex problems, innovated solutions, designed impactful business models, and published a peer-reviewed research paper.

You Might Like This Program If...

- You want to use your education to impact the world around you.
- You want a real, live, hands-on entrepreneurship experience.
- You want to partner with communities to solve complex problems.
- You want to work on an early-stage startup.
- You want to go work in an international community.
- You want to build skills in cross-cultural collaboration.
- You want to significantly improve your communication skills.
- You want to work towards publishing a research paper.