http://deveng.berkeley.edu

TechCon 2014
Higher Education Solutions Network
Development Engineering

A new interdisciplinary research field that integrates:

– Engineering, physical sciences, energy & resource development
– Economics, business & social sciences
to develop, implement, evaluate & scale technologies to benefit people living in poverty in developing regions and low-income areas of the U.S.
Human-Centered Design (HCD)

Using HCD, development engineering requires innovators to develop multidisciplinary skills in:

– ethnographic studies and identification of customer/user needs
– hardware and analytical tools,
– hypothesis testing,
– prototyping,
– business model development and
– continuous impact analysis.
Required Courses

- **Fall Semester**: Dev Eng 200 (MBA 290T, ME 200): Design, Evaluate & Scale Development Technologies

- **Spring Semester**: Dev Eng 210 Seminar.
Dev Eng Designated Emphasis

Must also take 3 electives from at least 2 of the following categories:

- Problem Identification & project design
- Evaluation techniques and methods for measuring social impact
- Development technologies

• Only 1 course can be in the major
Design for Sustainable Communities partners interdisciplinary teams with existing organizations to overcome design challenges.