

CV Engaged

**Engaging a New Generation
to Advance Global Engineering and Development**



Dr. Jennifer Ogle
Associate Professor
Glenn Department of Civil Engineering
CEDC Faculty Advisor

63%

The percent of employers that say college graduates lack essential skills needed to succeed in today's global economy.

- Association of American Colleges and Universities

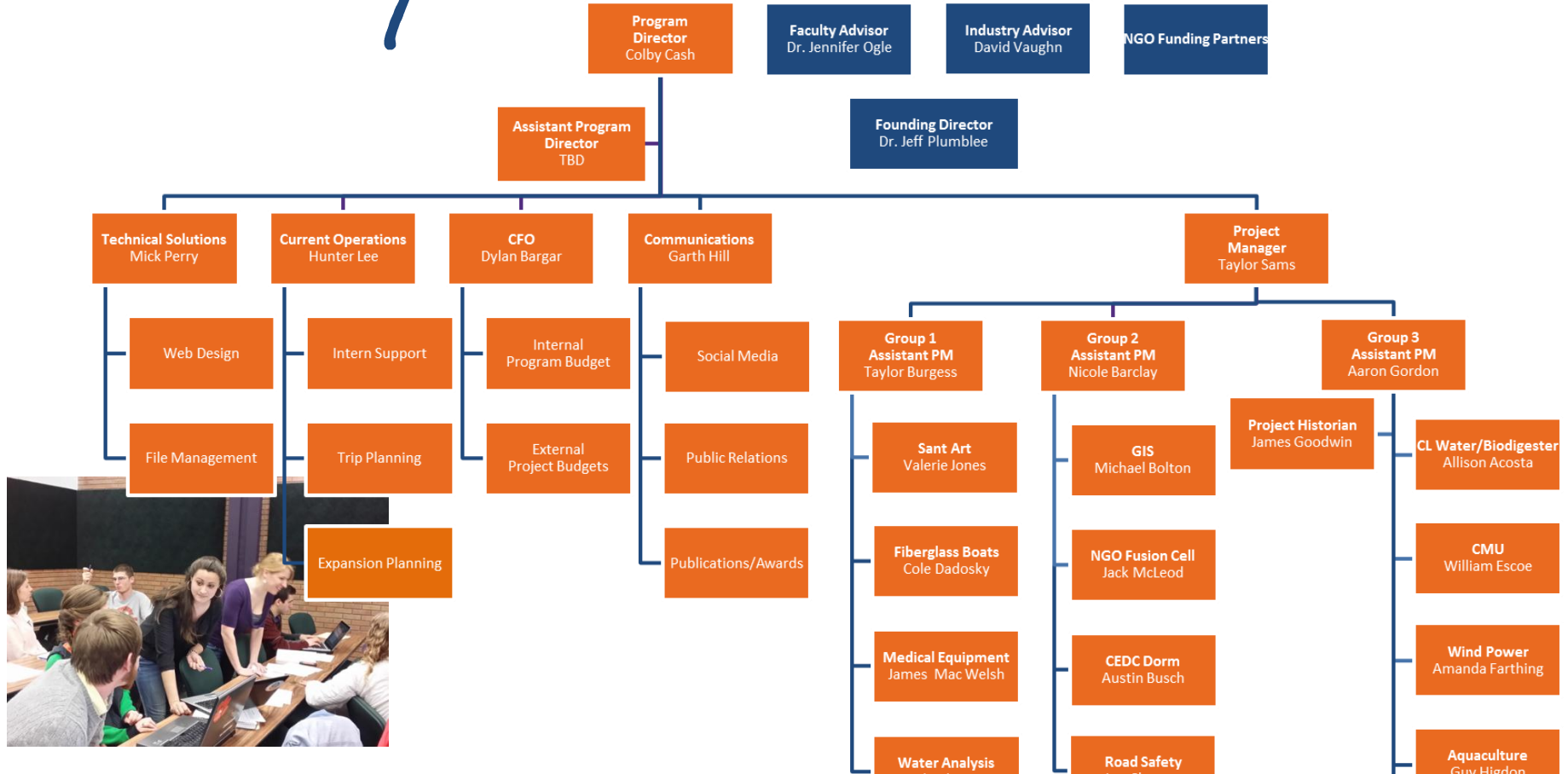


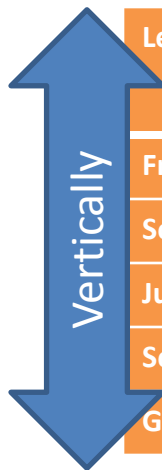
"The basic idea is to create an engineer who has deep, strong, up-to-date technical education and the experiences that wrap around that to enable him or her to work in industry, to work across geographical boundaries, to work with people from totally different professional fields."

Dr. Charles M. Vest
President
National Academy of Engineering

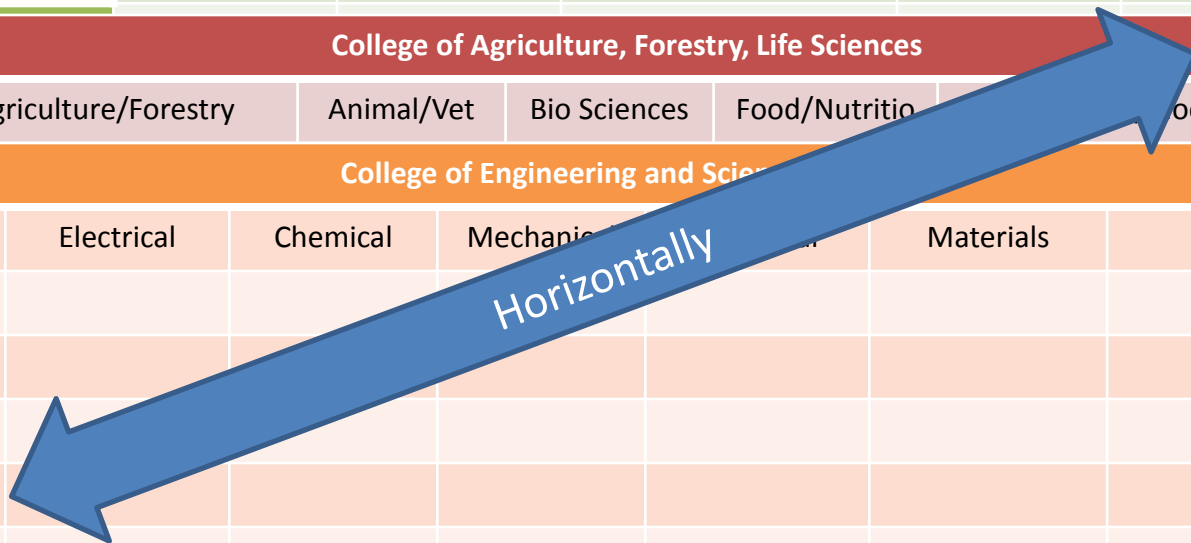


corporate classroom





Level	College of Arts, Architecture and Humanities					
	Architecture	Art	Comm Studies	Construction Sci	Planni	
	College of Business and Behavioral Sciences					
	Accounting/Finance	Business	Economics	Graphic Communications		
	College of Health Education and Human Development					
	Education	Nursing	Parks/Rec/Tourism	Mechanical	Public Health	
Level	College of Agriculture, Forestry, Life Sciences					
	Agriculture/Forestry	Animal/Vet	Bio Sciences	Food/Nutrition	Microchem	
Level	College of Engineering and Science					
	Civil	Electrical	Chemical	Mechanical	Materials
Freshman						
Sophomore						
Junior						
Senior						
Grad						



Skill Development

Arts, Humanities, Social Science

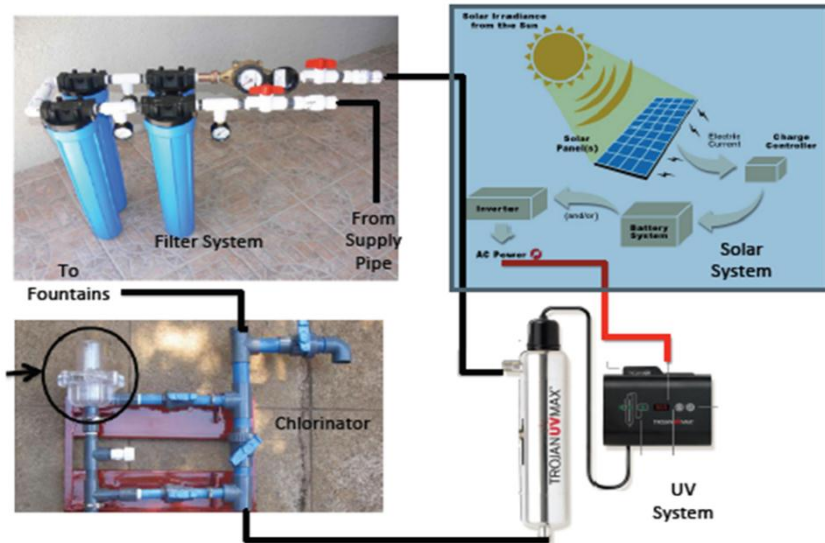
- Cross-cultural Awareness
- Critical Thinking
- Science and Technology in Society
- Literature

Professional Courses

- Communication
- Technical Writing
- Project Management
- Finance
- Entrepreneurship

Translational Education

From Lab

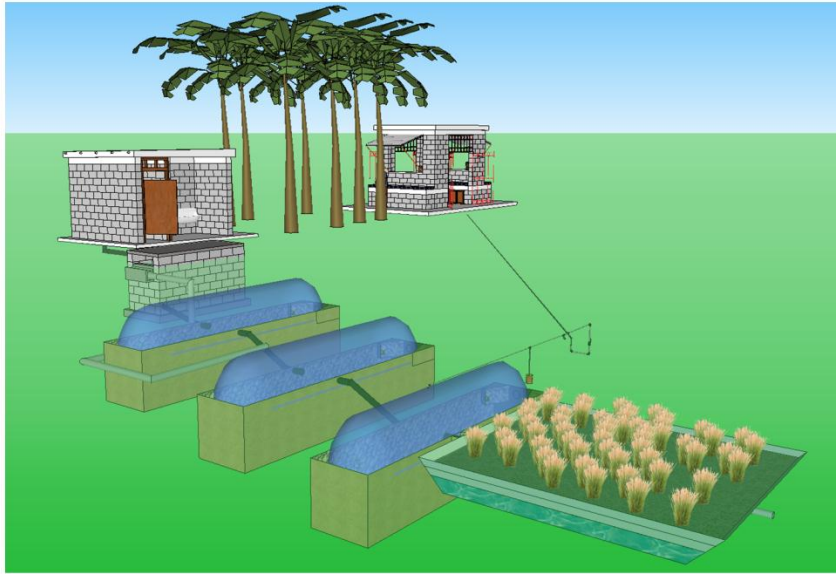


To Field



Innovation thru Translation

Conceptual Design



Implementation



Levels of Immersion



1-3 resident interns



~12 travel on breaks



90+ students engaged

relevant experience



community connections

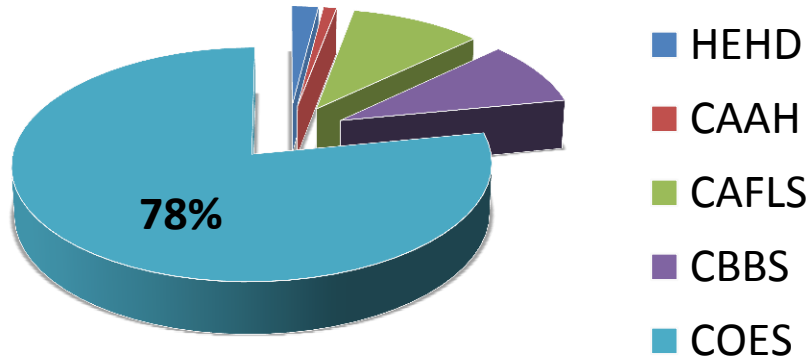


Industry connections

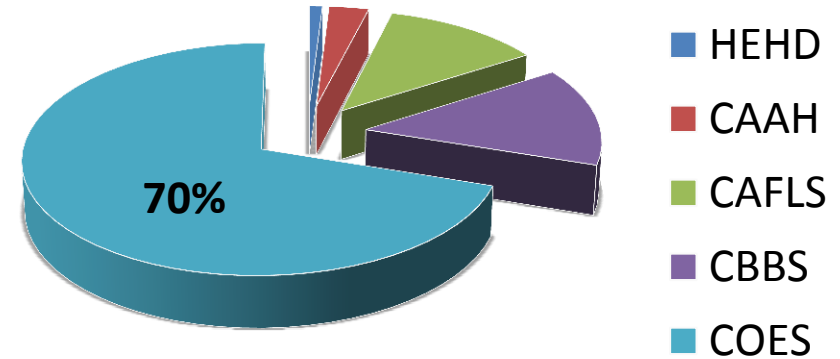


5 colleges represented

2013 Enrollment



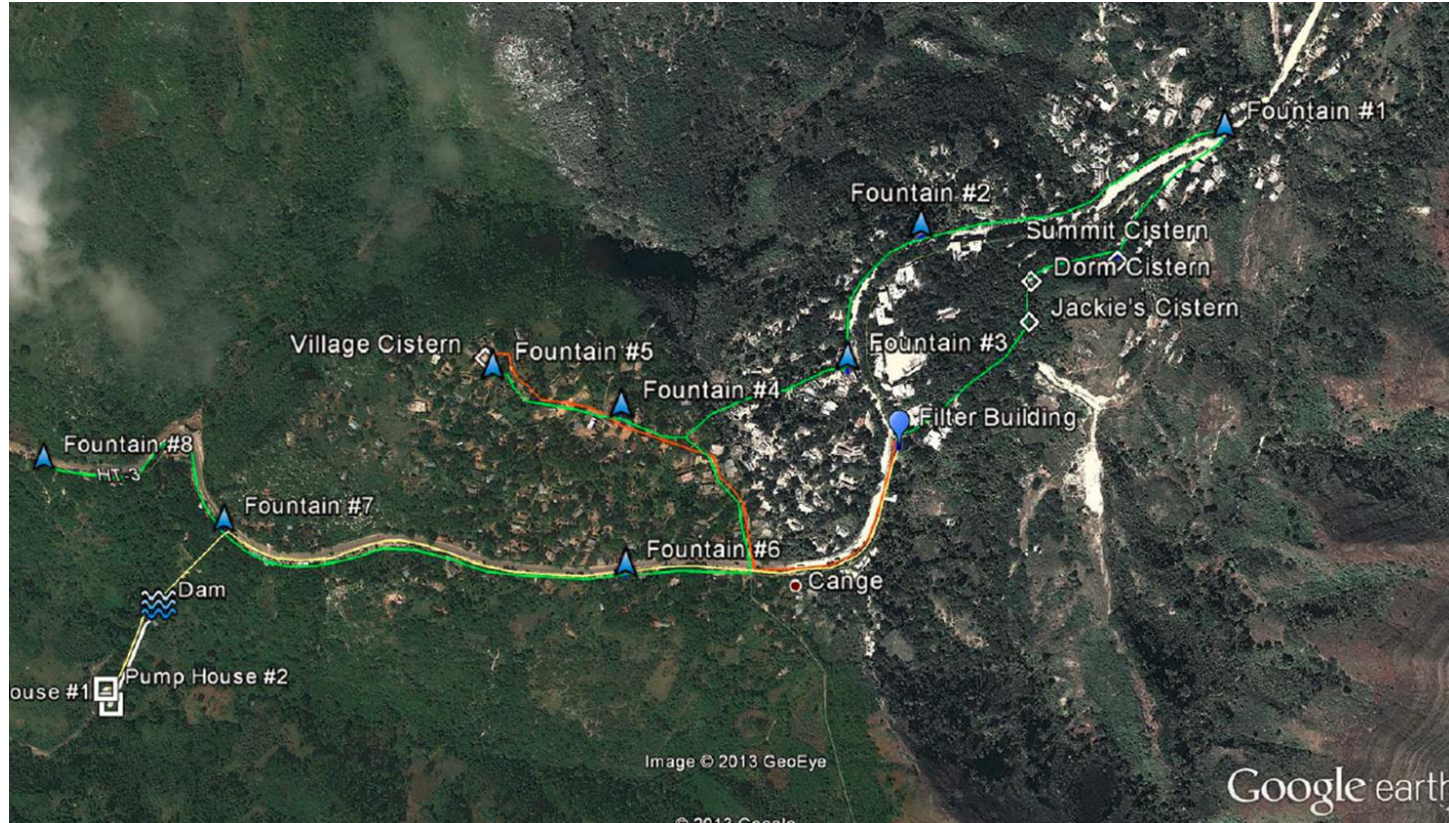
2014 Enrollment





Diversity

\$1.5 Million Water System



\$1.5 Million Water System

Dam



2 Turbine Driven Pumps



\$1.5 Million Water System

Forcing water up 1200' gain



Where it is filtered/treated



\$1.5 Million Water System

Sent to cisterns for storage



Then gravity fed to fountains

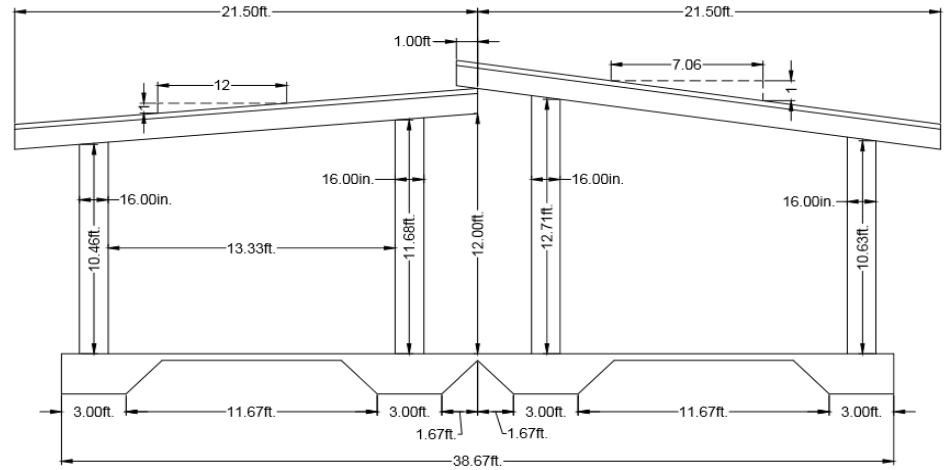


Economic Development





safe and sustainable development



Outcomes

- Communication
- Teamwork
- Leadership
- Critical thinking
- Dynamic decision-making
- Lifelong learning
- Business administration
- Professional and ethical responsibility
- Globalization



Economic Development

2013 Spiro Institute Social Launchpad Award



Internationalizing campus

2014 Heiskell Award Winner for Study Abroad





serving the developing world...
...Developing those who serve