“Preparing S&T Students for the Professional World”

TEAMS/PROJECTS/EXPERIENCE OUTSIDE OF CLASSROOM
- Require students to be involved in a team prior to their senior year
  - Understand dynamics
  - Develop Leadership Skills
- Educators Manipulative – (get the team to agree – don’t focus on product development – process begins before)
- Technical savvy
- Teams are important along with being an individual
- Importance of working in teams and assigning responsibility
- Opportunities to get students involved with real-life campus engineering projects (geo-thermal project in particular)
- Interactive projects
- Ethics – create an experience on campus to use skills outside comfort skills
- Real life engineering opportunities
- Internship and Coop important
  - Experience working in industry to learn what it’s like to work in the field
  - Requirement for hire – advantage at hire

COMMUNICATION
- Soft Skills
- Writing Skills
- Technical Writing (reports presentation) skills are not a “strength”
- Production reports (how to convey message)
- Presentations (requirement in sophomore year)
- Face-to-face skills
- Phone skills (require students to work phone-a-thon)
- Dictated writing styles (working with diverse groups and interpretation of other languages)

LEADERSHIP
- Academic Leadership - Hands on technique experience
- Managing students expectations
- 1st experience in real world outside of Missouri box
- Maturity development
- Need to change experiences to make a difference to make a difference
- Both S&T and corporate challenge on what to use to get to students
- Cultural differences – exposure to diversity