Higher Education and the Geoscience Workforce: The Landscape at Texas A&M

Connecting to Employers

What Employers Want
- Technical expertise
- Think critically, solve complex problems, capacity for lifelong learning
- Communicate clearly, demonstrate intercultural skills, ethical judgment and integrity

What Students Want
- To engage meaningful work
- To make their first million by age 25

Texas A&M Geosciences Vision
- Technical expertise
- Keepers of the Spirit
- Custodians of Knowledge
- Defining the Forefront of Research and Technology

Institutional Factors
- Regulatory Environment
- Accreditation Requirements
- Disciplinary Accreditation
- Preparations for Licensure
- University Values and Expected Learning Outcomes
- Expectations of Legislatures, Oversight Boards

Curriculum
- High Impact Learning Experiences
- Commit to Communicate
- Study Abroad
- Research Experiences
- Field Experiences
- Capstone Courses
- Learning for a Lifetime
- Effective Pedagogical Practice

Beyond the Curriculum
- Teaching with the latest research, technology, and disciplinary grand challenges in mind
- Students and their Development
- Science, Math Tutoring
- Writing
- Beyond Career Fair
- Preparation for Job Hunting
- Curriculum
- Co-curricular skills
- Cultural Awareness, Working in Teams
- Leadership
- Alternative Financial Models
- Respond effectively to changing demographics
- Growing Student Pipeline
- Bring the best minds into the Geosciences

Employer Survey Results
- Surveys of Graduates
- What we could contribute
- Community Knowledge base
- What I can imagine
- What I'd like to know

Connecting to Employers
- What is the employment landscape?
- Who are the employers?
- How do we find them or show students how to find them?
- What will it be?
- What skill sets?
- What is important to employers?