MITIGATING THE IMPACT OF HURRICANES
ALLEVIATING ENERGY POVERTY
MAPPING THE SPREAD OF DISEASE AND CRIME
CLEANING UP OIL SPILLS AND PROTECTING OUR COASTAL COMMUNITIES
HELPING PEOPLE PREDICT AND PREPARE FOR EARTHQUAKES
MAPPING MARS
PROTECTING BIODIVERSITY IN CRITICAL HABITATS
IDENTIFYING ENERGY RESOURCES FOR DOING MORE WITH LESS
MONITORING AIR QUALITY
ASSURING WATER SECURITY
DEVELOPING STRATEGIES FOR GLOBAL CLIMATE CHANGE
TRACKING STORMS
ENSURING ADEQUATE FOOD SUPPLIES
PREDICTING RIP CURRENTS
FUELING OUR GLOBAL ECONOMY
MAPPING THE OCEANS
MITIGATING DROUGHT AND WATER RESOURCES
FINDING UNCONVENTIONAL ENERGY RESOURCES
CREATING ENVIRONMENTAL LAW
PREDICTING TORNADOES
PROTECTING OUR FISHERIES
MONITORING LAND COVER CHANGE
ANALYZING EARTH’S CORE HISTORY TO PREPARE FOR OUR FUTURE

The World Needs Geoscientists – Critically.

Geoscientists Provide the Leadership and Smart Decisions

When Everything Hangs In the Balance

ON THE LEADING EDGE OF IT ALL

Dr. Christian Brannstrom
Associate Dean for Academic Affairs
What is student success?
What is student success?
-GPA
-lifelong learning
-low/zero debt
-rewarding career
-the degree
-emotional and physical wellness
-progress toward degree
-balance work and GPA
-skills, competencies
-the Aggie Ring
Five Challenges

Engage
Know Your Resources
Know the Rules
High-Impact Activities
Career Planning Starts Now
Engage
- active learning
- meet your professors
- invest in education and face-to-face relationships, not social media
- attend Geosciences Academic Preparation
Know your resources
-academic advisors
-services (disabilities; assistance; counseling; health)
-Howdy; e-campus; email
Know the Rules
- GPA in your major, overall probation?
- Q-drops...careful!
- credit hours/semester
Know the Rules: Absences

-Rule 7

-excused absences (authorized activities, injury/illness; medical confirmation)

-unexcused absences (discuss immediately with instructor!)
Know the Rules: Honor Code
- who reports academic misconduct?
- what is academic misconduct?
High Impact Activities
- First Year Seminars (GEOS 101)
- Internships (484 hours)
- Research (491 hours)
- Study abroad (faculty-led; exchange)
- Medallion program
Career Planning Starts Now

-why are your skills and knowledge valued in the workforce?

-how do you prepare for employment?
Why are your skills and knowledge valued?

Need for...

- Energy production (fossil, renewable), transformation, distribution
- "Due diligence" analysis to satisfy property transaction requirements
- Compliance with environmental regulations (Code of Federal Regulations, State Laws)
- Obtain and analyze spatial data (people, places, things)
- Accurate and timely weather information for healthy economies and communities
- Rigorous science + statutory compliance + firm profitability

Why are your skills and knowledge valued? Need for...

- “Due diligence” analysis to satisfy property transaction requirements
- Energy production (fossil, renewable), transformation, distribution
- Compliance with environmental regulations (Code of Federal Regulations, State Laws)
- Obtain and analyze spatial data (people, places, things)
- Accurate and timely weather information for healthy economies and communities
- Rigorous science + statutory compliance + firm profitability

Why are your skills and knowledge valued?
Career Planning Starts Now
-Science Career Fair (“What skills and knowledge do your recent entry-level hires have?”)
-Seek a (paid) internship
-Create LinkedIn profile
-Be informed on one career path
-Search Hire Aggies (Career Center)
-Get ONE interview before graduation
Five Challenges

- Engage
- Know Your Resources
- Know the Rules
- High-Impact Activities
- Career Planning Starts Now

Career Planning Starts Now