Department of Geosciences

Ever considered a career in Geosciences?

Who will employ me?

How much $$$ can I make?

What fun things can I do while in college at UTEP?
Geoscientists?

Michael Jordan
BA, Geography

Kathryn D. Sullivan
Former Astronaut
PhD, Geology

Colin E. Powell
General, U.S. Army, Retired
Former Secretary of State
BA, Geology
What are the Geosciences?

- Geoscientists study the physical, chemical, & biological processes of the Earth & other planets.

atmosphere, earthquakes, environmental issues, fossils, planets & moons, oceans, rivers, rocks, satellite images, volcanoes, weather/climate...
Why Geology or Geophysics?

Geoscientists do a variety of activities.

• Work in a lab or office......
• Work in the great outdoors......
Why Geology or Geophysics?

Geoscientists get to travel the world!

- UTEP geoscientists have explored:

  Africa, Alaska, the Alps, Antarctica, Bhutan, Canada, Caribbean, China, Hawaii, the Himalayas, Japan, Mexico, Nepal, New Zealand, Pacific Ocean islands, Puerto Rico, South America, Tibet, more…….
Who employs Geoscientists?

- Engineering Companies
- Oil Companies
- Environmental Groups
- Government Agencies
- (even) Banks!
- K-12 Schools
- Universities
What types of salaries do Geoscientists earn?

- Undergraduate degree: mid $30,000
- Masters degree: $100,000+ within 5 years

Oil industry specifics:

<table>
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<th>YEARS EXPERIENCE</th>
<th>B.S.</th>
<th>M.S.</th>
<th>PH.D.</th>
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<td>0-2</td>
<td>$ 76,500</td>
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<td>15-19</td>
<td>115,000</td>
<td>156,800</td>
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<td>20-24</td>
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<td>148,600</td>
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<td>25+</td>
<td>145,300</td>
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UTEP's Geological Sciences Faculty
Geological Science Degree Program

- B.S. in Geology
- B.S. in Geophysics
- B.S. in Earth Science w/ minor in secondary education

Courses in: weather/climate, oceanography, planetary science, volcanology, hydrogeology, economic geology, environmental geology, geochemistry, geography, geomicrobiology, geophysics, geomorphology, paleontology, satellite remote sensing, sedimentology, seismology……

- Scholarships: we have more $$ than students!
Opportunities for YOU!

- **Summer Internships**: national parks, gov’t. labs, oil companies, universities, international locations…
- **Research opportunities**: …
- **Course field trips**!
- **UTEP Geology Club**
Research Opportunities

- "Pathways"
  - Environmental studies
  - Planetary science
  - Earthquakes

- NASA programs
  - Astronaut training program
  - Minerals from soils/rocks
Geology and Geophysics

It’s not just a major ………

http: www.geo.utep.edu

it’s an adventure!