

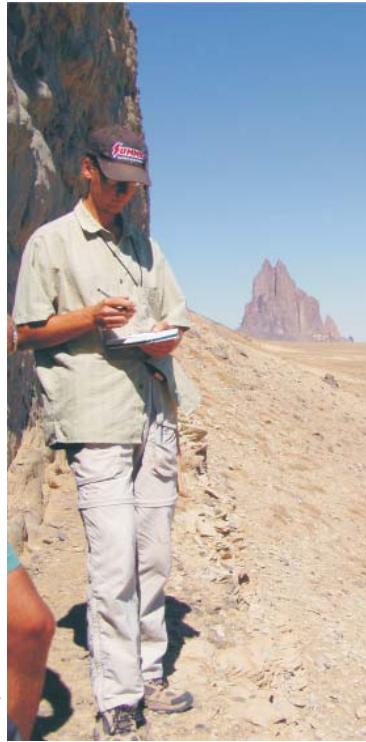
How much money will you make?

Earth science professionals are in high demand and are commanding high salaries NOW!

New Mexico Tech graduates reported the following average starting salaries in 2006 and 2007 for Math/Sciences:

- BS: \$41,207
- MS: \$63,000
- PhD: \$66,000

The American Association of Petroleum Geologists reports that new graduates with BS degrees entering the petroleum sector are averaging \$76,500 a year!



Undergraduate Colin Cikoski with Shiprock in background

Earth & Environmental Science Department

We have 22 faculty who specialize in the study of Earth science processes. We also have the State Bureau of Geology on campus with another 40 geologists, giving us an exceptionally strong group of researchers and teachers at New Mexico



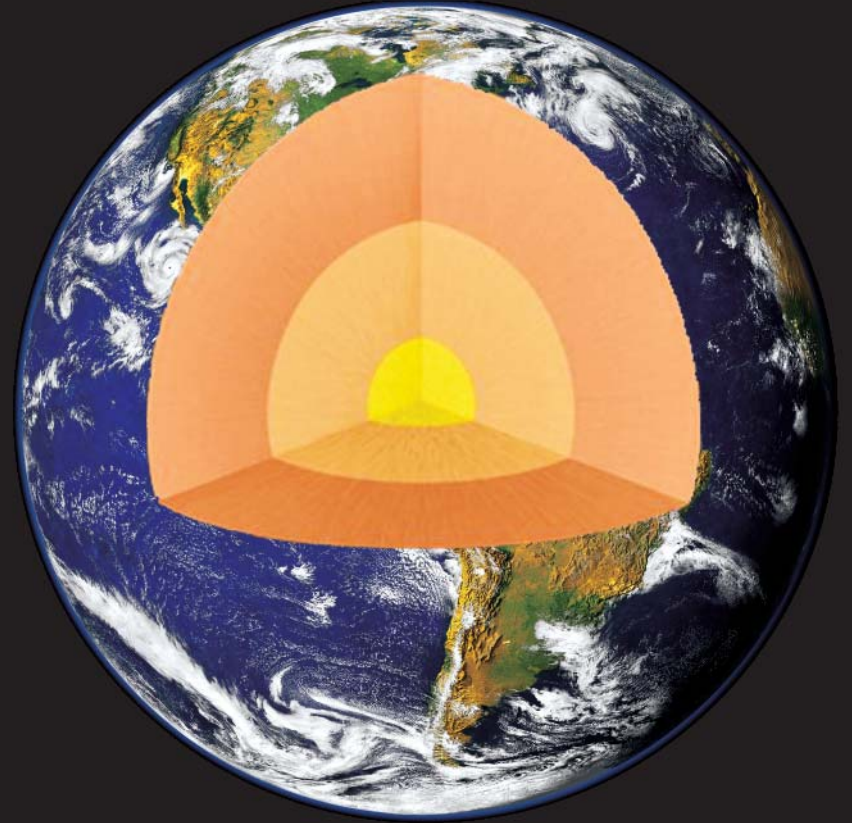
Undergraduate Kyle Jones in Antarctica

Tech, comparable to that usually found at universities with tens of thousands of students. Within the department we have a significant research focus, with numerous opportunities for both graduate and undergraduate students while they are pursuing their studies.

See our website: www.ees.nmt.edu

Rev. March 2008

Earth & Environmental Science

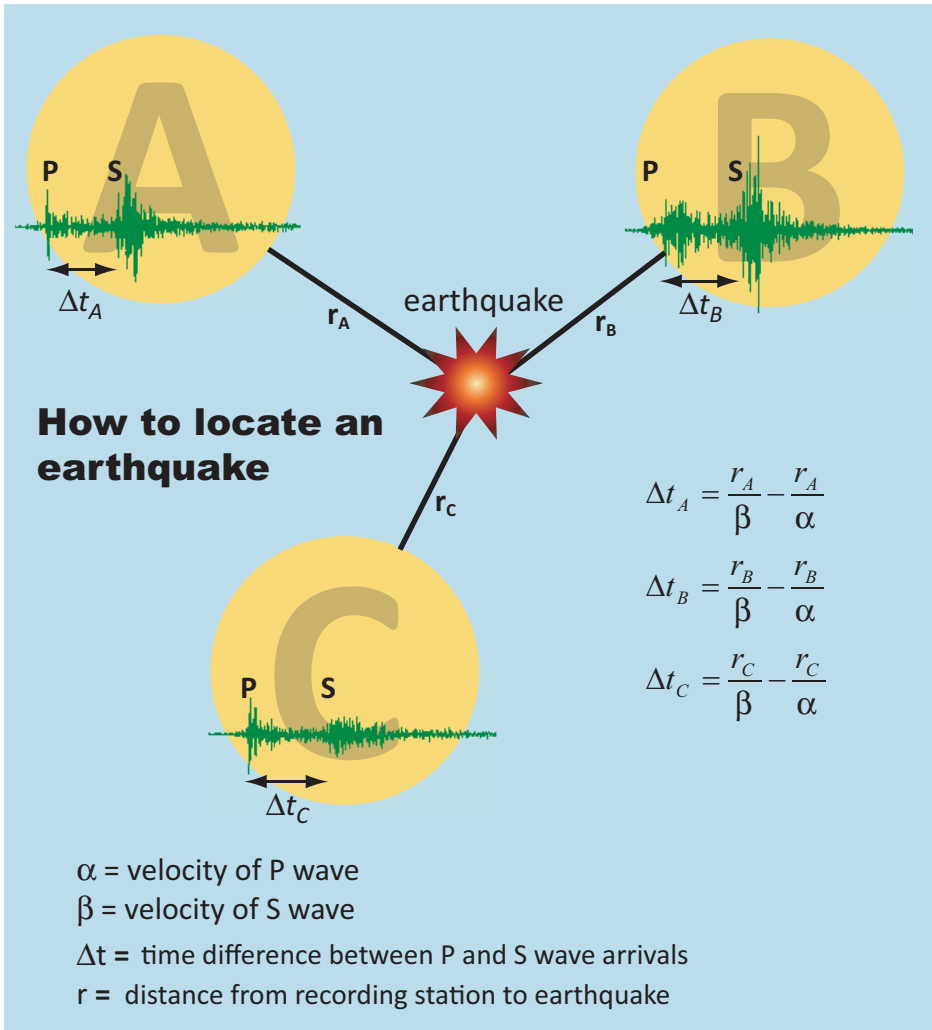


Integrating and applying all the basic sciences into a study of the processes that shape our Earth and influence our lives



Are you interested in math of physics?

Consider the growing field of geophysics.



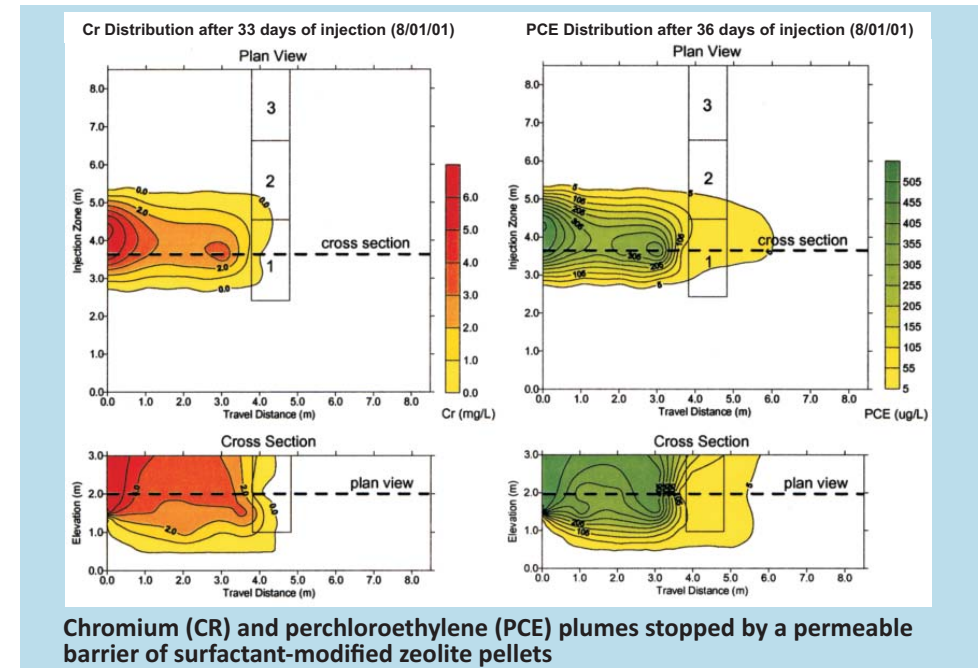
The application of geophysics extends to

- understanding earthquakes
- understanding volcanic eruptions
- detection of landmines and other unexploded ordinances
- exploring the interior of the earth, such as searching for coal and oil deposits or studying the deep Earth to understand plate tectonics

Does chemistry excite you?

Apply your chemistry skills to

- containing contaminant plumes in surface and sub-surface water (see example below)
- characterizing mineral emplacement in rocks
- identifying volcanic ashes from their composition



Maybe biology is your thing?

Within Earth science there is a growing realization of how much influence biological organisms have on geologic processes. For example, parts of Carlsbad Caverns in southern New Mexico have been developed through the action of microorganisms.

Right: *Snottites* are slimy, dripping stalactites made of goo, that contain bacteria in abundance and beautiful microscopic gypsum crystal formations. Both exist at the same time in an environment whose pH is 0.5! Biovermiculations are worm-shaped deposits on the walls, which contain numerous bacteria.

