



Program Description

[SAGE](#), the Summer of Applied Geophysical Experience, is a unique educational program designed to introduce students in geophysics and related fields to "hands on" geophysical exploration and research. The program emphasizes both teaching of field methods and research related to basic

science and a variety of applied problems.



SAGE is hosted by the National Security Education Center and the Earth and Environmental Sciences Division of the Los Alamos National Laboratory.

- teaches modern geophysical exploration techniques: seismic reflection and refraction, gravity and magnetics, electromagnetics (including magnetotellurics), and electrical resistivity
 - involves extensive hands-on field experience
 - integrates geophysical methods to solve real geological problems
- addresses geological problems of research and practical interest
- utilizes multi-institutional resources and expertise
- includes classroom instruction and supporting lectures by academic and industrial professionals
- incorporates computer processing and modeling
- provides experience in data synthesis and report preparation

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