

Alaska

Educational Resources

University of Alaska

The University of Alaska is a multicampus university with a breadth of programs that benefit mining and mineral exploration. The University of Alaska Fairbanks (UAF), has a College of Engineering and Mines and a Department of Geology and Geophysics.



UAF - College of Engineering & Mines

Department of Mining And Geologic Engineering

Emphasizing engineering as it applies to the exploration and development of mineral resources and upon the economics of the business of mining

Mineral Industry Research Laboratory (MIRL)

Established in 1963 by the Alaska Legislature for the purpose of conducting basic and applied research to aid in the development of Alaska's mineral and energy resources. The School of Mineral Engineering was combined with Engineering in 2004 to form the College of Engineering and Mines.

UAF - Department of Mining and Geologic Engineering

Offers well-equipped modern laboratories for research and class study. Facilities include:

- remote sensing lab
- subsurface hydrology lab
- geophysical lab
- atomic absorption unit
- off-campus experimental underground mine
- personal computer lab
- geomechanics lab
- rock drilling lab
- ore microscopy lab
- X-ray diffraction and fluorescent units

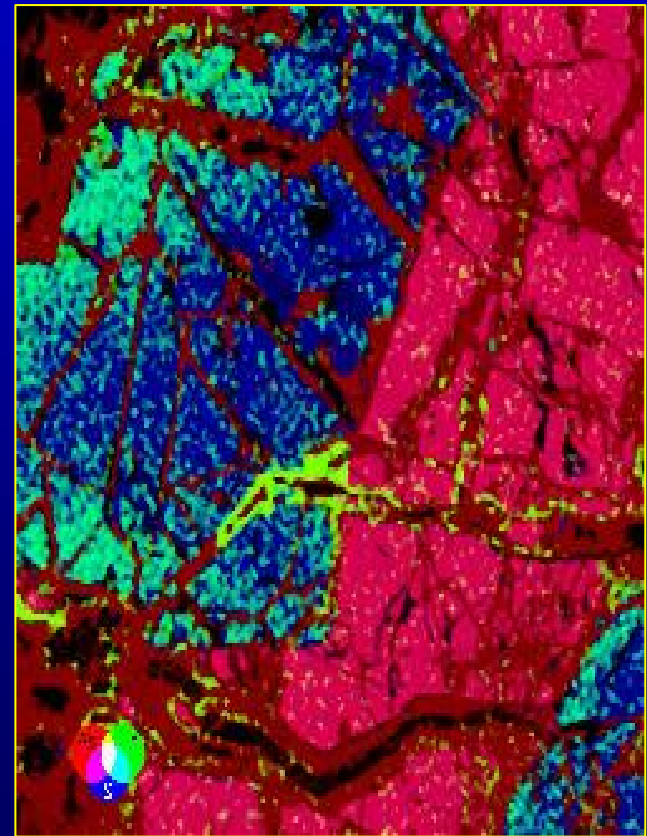
UAF - Dept. of Geology and Geophysics

Offering under graduate and graduate programs in a variety of earth science fields with an emphasis on Alaska.

M.S. Program in Economic Geology

Laboratory facilities include:

- $^{40}\text{Ar}/^{39}\text{Ar}$ rock dating capability
- Microbeam Analysis Lab
 - Electron Microscope
 - XRF Spectrometer
- X-Ray Diffraction Lab

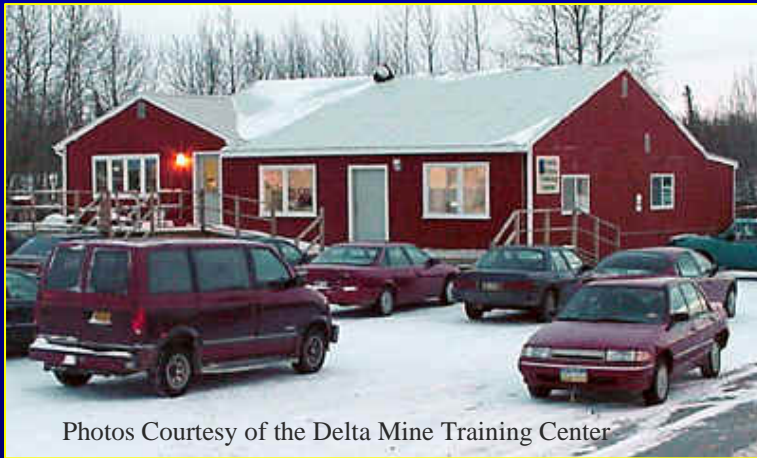


Microprobe Photo by Kerry Lear
Courtesy of UAF

Delta Mine Training Center

A non-profit organization providing quality vocational education for the minerals industry in Alaska

Classes in: Exploration/Prospecting, Mineral Processing, Mining, MSHA, HAZWOPER, Emergency Response, General Business



Photos Courtesy of the Delta Mine Training Center



Established by a consortium between Delta/Greeley School District, Tanana Chiefs Conference Inc., Alaska Miners Association and the University of Alaska

AMEREF

Alaska Minerals and Energy Resource Education Fund (AMEREF) is an innovative business/ education partnership partially funded by the State and private contributions that strives to build a public awareness of the essential role of geology and minerals in our society



An AMEREF Resources kit

AMEREF Works to:

- Generate student interest
 - Provide industry specific career information
 - Promote direct experiences by bringing resource professionals into the classrooms and students into the work place.
- Distribute information about Alaska's heritage and mineral and energy resources, called *Alaska Resource Kits*.
- The AMEREF program has distributed over 35,000 Alaska Resources Kits to students since 1982.