The internship is designed for a student with a background in Earth Science who is interested in seismic field methods, electronics, software development or data processing. The IRIS PASSCAL Instrument Center, funded by the National Science Foundation via the IRIS consortium, maintains and helps deploy large numbers portable seismographs (Reftek and Quanterra), broadband sensors (Streckheisen, Guralp, Nanometrics), portable telemetered networks, and high-resolution cable reflection systems (Geometrics) that are heavily utilized by the U.S. research community and international partners. The successful candidate will learn about the technology and maintenance of state-of-the-art seismic equipment, potentially assist in deployments in the US and overseas, and participate in seismic data processing under the direction of the Instrument Center Director and Staff. The intern will register as a special student for 6 credits of Directed Study (Geophysics 590) under the advisorship of PASSCAL Instrument Center P.I. and NMT Geophysics Professor Susan Bilek. At least one week prior to the conclusion of the internship, the intern will submit a report not to exceed 15 pages summarizing tasks performed and observations/suggestions pertinent to PASSCAL program operations and future Education and Outreach efforts. The intern will be given a personal allowance of $575/week for tuition, fees, books, and living expenses. Transportation costs to and from New Mexico Tech will be reimbursed up to $3,500, as will room and board costs up to $1700.

For further information, please contact Bruce Beaudoin (see above) or Susan Bilek (sbilek@ees.nmt.edu; 575-835-6510).