

Graduate Opportunity: Cordilleran Magmatism at The Edge of the Rockies

I am seeking a Master's student for a project on the tectonic significance of magmatism at the edge of the Rocky Mountains, starting in Fall 2023 at the New Mexico Bureau of Geology and Mineral Resources (NMBMGR) at New Mexico Tech (NMT). A belt of [Cenozoic igneous occurrences](#) that stretches from the Colorado Front Range to southeastern New Mexico has received little study, presenting excellent opportunities for new fundamental research, particularly for graduate students.

The student's project will involve geologic mapping and fieldwork along the edge of the Rocky Mountains accompanied by GIS data synthesis, geoinformatics, and lab analyses such as geochronology and thermochronology, in collaboration with researchers from NMT, New Mexico Highlands University, and the University of Colorado Boulder. The skills, experience, mentorship, and connections gained through this project could prepare the student for work at a geological survey, in industry, or further research.

The [NMBGMR](#) is a research division at NMT, which [supports student research](#) and has close ties to the [Earth and Environmental Sciences Department](#). NMT hosts extensive [analytical facilities](#) that support a wide variety of [research](#), including a cutting edge [Ar-Ar geochronology lab](#). Information on the graduate program can be found [here](#), with general graduate admissions info [here](#). You can follow [this link to apply online](#) until the January 15th deadline, but later applications may also be considered.

Please feel free to reach out to Snir Attia via email (snir.attia@nmt.edu) or office phone (575-835-5290) with any questions or to express your interest! You can learn more about this project at [this page](#), and more about me and my work [here](#).



Overview of Boulder Valley from the Dakota Hogback, where several distal igneous occurrences are found at the edge of the Rockies, including the Alpine Avenue intrusion that forms the snow-covered slope in the midground.