

# Catherine E. Nauer

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Dept 3006  
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## Education

### Master of Science in Geology

University of Wyoming, Laramie, WY  
Adviser: Janet Dewey

Degree anticipated May 2016

### Bachelor of Science in Earth and Environmental Sciences with a focus in Geology

New Mexico Institute of Mining and Technology, Socorro, NM  
GPA: 3.1/4.0

January 2014

## Lab Skills

- Geographic Information Systems
- Photoshop and GIMP
- Adobe Illustrator
- Adobe Dreamweaver
- Gravimeter operation
- TinyPerm operation
- GPR operation
- MATLAB

## Experience

### University of Wyoming

September 2014 - Present

#### Laramie, Wyoming, Research Assistant

- Researched Proposed: Study Sherman and Lincoln Granite in Laramie, WY as a proxy to determine groundwater-bedrock erosion relationships and climate change implications via field work, petrology, and ICP geochemical analysis of data from packed columns.

#### Laramie, Wyoming, Teaching Assistant

- Taught and guided 60 intro students in Physical Geology Lab and graded their work.
- Worked individually with students on extra out-of-class instruction.

### New Mexico Bureau of Geology and Mineral Resources

April - August 2014

#### Socorro, New Mexico, GIS Technician

- Led communications and discussions with offsite and onsite geologists in order to accurately digitize their geologic maps and create a final layout.
- Problem solved for AI, PS, and ArcGIS software issues.

### New Mexico Tech, Undergraduate Research

- Created and led classroom lessons and experiments on fossils, caves, the rock cycle, and mineral identification for a 2<sup>nd</sup> grade class in Albuquerque, NM. Winter 2013
- Evaluated reservoir and seal capabilities for possible carbon sequestration for several sites in Moab and Green River, UT. Summer 2012
- Evaluated the geological setting and microbial inhabitants of lava tube caves in El Malpais National Monument in Cibola, NM. Fall 2011
- Responsible for general set-up and management of experiments as well as collection and analysis of data for several sites around Socorro and Lemitar, NM. 2009 - 2013

### Vista Grande Community Center

Summer 2010 - 2012

#### Sandia Park, New Mexico, Recreational Leader

- Organized and led various activities for K – 9<sup>th</sup> graders enrolled in the summer program.
- Supervised and coordinated other employees and performed clerical and managerial duties as needed.

## Honors

NMT Honors Award

2009 - 2014

Presidential Scholarship

2009 - 2014

Young Women to Watch February page in New Mexico Women magazine

2008

## References

Janet Dewey, Assistant Research Scientist  
and UW advisor

307-766-3659 or jdewey2@uwo.edu

Gary Axen, Department Chair of Earth and  
Environmental Sciences and NMT advisor

575-835-5178 or gaxen@ees.nmt.edu

Diane Chavez, Vista Grande CC manager

505-468-7508 or dchavez@bernco.com