

Emmaline Saunders

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Education

2025 Bachelor of Science in Geology, Utah Valley University

2025 Associate of Science in Mathematics, Utah Valley University

Teaching Experience

Teaching Assistant

Fall 2024 Earth Materials

Summer 2023 Introduction to Geology

Spring 2024 Introduction to Geology

Spring 2023 Introduction to Geology

Academic Tutor

2023 – Present Earth Science, Chemistry, Physics

Publications and Presentations

Saunders, E.M., Stearns, M.A., and Ward, A., 2023 When Does a Granite Become Granitic? A Record of Major and Accessory Mineral Re-equilibration from Super to Sub-solidus within the Half Dome Granodiorite, Sierra Nevada, CA, Geological Society of America, September 2023

Saunders E.M., Stearns, M.A., Bartley, J.M., Bowman, J.R., Magmatic Processes in the Alta Stock, Utah: The Impact of Tectonic Dilation on Granite Differentiation, American Geophysical Union Annual Meeting, December 2024

Funding

\$2500 UVU URSCA Research Grant

\$3000 UVU URSCA Dissemination Grant

\$4000 UVU TEELS Research Grant

Awards and Honors

May 2024 Earth Science Student Excellence Award

August 2021 Presidential Scholarship

Skills

Software: R, Microsoft Office Suite, Adobe Illustrator

Field and Lab Techniques: Scanning Electron Microscopy (SEM), Petrographic Microscope, Geological Mapping, Field Notes Documentation

Data Analysis and Visualization: Statistical modeling in R, creating research posters and presentations

Memberships

Geological Society of America *Since 2023*

American Geophysical Union *Since 2024*

Association for Women Geoscientists *Since 2023*

Earth Science Student Association *Since 2022*