Congratulations 2020 Earth and Environmental Sciences Graduates!

**PhD Dissertations**

Phoebe Aron  
*Tracing Natural Water Cycling and Variability with Stable Water Isotopes*

Xiaojing Du  
*A high-resolution reconstruction of Southern California hydroclimate during the Holocene: Interannual precipitation variability response to climate forcing*

Nikita LaCruz  
*Using mineral geochemistry to investigate ore deposit formation and ore deposit potential*

Laura Motta Medina  
*The Magnetic Isotope Effect and the Anomalous Case of Mercury Stable Isotope Fractionation*

Mark Robbins  
*Evolution of Late Season Meltwater in Alpine and Arctic Glaciers: Sampling Strategies and Geochemical Observations*

Adrianna Trusiak  
*The role of iron in the arctic carbon cycle*

**MS Theses**

Phoebe Aron  
*Cenozoic Mountain Building and Climate Evolution*

Jordan Hood  
*Analysis of differential X-ray attenuation as a method for correlating annual dentin increments in proboscidean tusks*

**BS Earth and Environmental Sciences**

Alexander Bascom  
*Continental deformation: new tools and new constraints on convergent and collisional systems from the Greater Caucasus*

Alexander Tye  
*Annual to millennial-scale Oxygen Minimum Zone expansion on the Southern California margin: proxies and drivers*

**Minors**

Bridget Hoffman  
*Renee Souliere*

Zackery Spiekerman  
*Ryan Mcginnis*

Austin Thompson  
*Peter Rohrer*

Taylor Schmall  
*Bethany Rookus*

Stacy Kaneko  
*Alina Drehin*

Joseph Schuler  
*Hailey Goran*

Lindsay Rasmussen  
*Nicole Mooney*

Hannah Dehetre  
*Andrew Neighbors*

Rebecca Huska  
*Steven Wedel*

Rebecca Joyce  
*Tatiana Cuevas*

Cameron Leitz  
*Kellyn Mcknight*

Brian Macke  
*Samantha Steele*

Eric Mayo  
*Zoe Moore*

Neil Nautiyal  
*Samantha Theuer*

Merdavat Heydari  
*Kajsa Lundeen*

Zoe Moore  
*Krisa Lindon*

Erin Rodewald  
*Kellyn Mcknight*

Pamela Sobze  
*Krisa Lindon*

**Honors and Senior Theses**

Emily Boswell  
*Mid-Pliocene Paleotemperature Reconstruction: Evaluation of the Sclerochronologic Isotopic Record of Molluscan Bivalves from the Pinecrest Beds of the Tamiami Formation, FL and the Yorktown Formation, VA.*

**Phoebe Aron**  
*Paleotemperature of Mio-Pliocene Camp Davis Formation, Gros Ventre Range, Wyoming: Clumped Isotope Analysis of Lacustrine Carbonates*

**Skye Caplan**  
*Blueprints to City Carbon Neutrality: Potential Applications for Ann Arbor and Other Mid Size Cities*

**Kristen Hayden**  
*Constraining Phosphorus Cycling in Biological Soil Crusts*

**Steven Wedel**  
*Temperature and oxygen isotope seasonality of the Last Interglacial (MIS-5e) from analysis of stable and clumped isotopes of Bermuda bivalves*

**Melissa Wood**  
*New material of Palaeoamasia kansui and a phylogenetic revision of Embrithopoda*