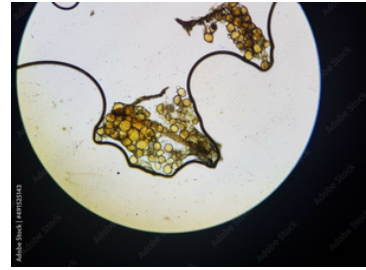


Department Highlights

Biology

Department website: ewu.edu/cstem/biology/



Bringing in the Research Grant Awards!

National Institutes of Health Support for Research Excellence (R16) Program awarded **Dr. Jason Ashley** over \$480,000 for materials/supplies, faculty time, graduate students, and undergraduate research assistants in addition to conference travel. From Dr. Ashley; “This project seeks to expand understanding of how decoration of **Notch signaling receptors** with sugars influences the formation and function of osteoclasts, bone-dissolving cells. Completion of this work will contribute to knowledge of Notch signaling regulatory mechanisms. In the longer term, better understanding of this phenomenon may lead to new therapies based on finer control of these cells to prevent bone loss.” Congratulations Dr. Ashley and Kristyl!

Congratulations to **Dr. Robin O’Quinn** (Biology) and to her Master’s student, **Katherine Cole**, on receiving a research grant from the Stuntz Mycology Fund! The award is \$3,300 for the project, “Understanding the Diversity and Distribution of **Arbuscular Mycorrhizal Fungi** Across Land-Use Types on Prairie Ecosystems of the Inland Pacific Northwest.” The funds will support research efforts at the EWU Prairie Restoration Project and, through collaboration with local landowners who are giving permission for sampling on their properties, will help EWU increase its engagement with this region.

Dr. Jessica Allen and graduate student **Julianna Paulsen** were awarded \$3,300 from the Stuntz Mycology Foundation for the project, “Revitalizing the **Eastern Washington University Herbarium**: Expanding Opportunities for Undergraduate Research, Experiential Learning, and Research-Infused Curriculum.” The funds will support the digitization of over a thousand specimens, which will make these specimens available for teaching and research, provide students with professional development skills, develop classroom activities, and create a website to increase the visibility of the EWU Herbarium and promote collaboration with others. Congratulations on writing a competitive proposal that will fund this investment in EWU’s facilities and students.

Biology

Katie Hogan and Madelyn Kingery both gave a presentation at the **WSP Crime Lab Brown Bag Lecture** series on 3/21. They each had an independent research project which they presented to the group both in person and on zoom. They were both excellent presentations. One of the coolest parts was that one of the forensic scientists on Zoom asked Madelyn to share her slides because they thought her work would help them solve a cold case where they were running into some technical issues. From Nic Burgis: "It was one of the fastest transfers of academic research to scientific application that I ever witnessed!"

Computer Science and Electrical Engineering

Department website: ewu.edu/cstem/csee/

The Cybersecurity Club, led by **Dr. Stu Steiner**, hosted the National Security Agency Computer Network Operations for an engaging speaking and professional development event on April 4. Students were able to submit their resumes to bypass the competitive first application level for internships and jobs.





Department Highlights

Computer Science and Electrical Engineering

Department looks forward to an **Instrumentation Workshop** in collaboration with instrumentation leader [Rhodes & Schwartz](#), sponsored by the IEEE (Institute of Electronics and Electrical Engineers) Spokane Section.

On April 13 the **ACM (Association for Computing Machinery) Student Chapter hosted CodeFest** at Catalyst. This consisted of over 80 student and industry participants from CS, EE, Design, and additional majors, schools, and even future Eagles working on a 10-hour coding project to add to their career skills portfolio. Kuddos to Professor Chris Cain and IntelliTect for hosting along with the hard-workers of ACM!





Department Highlights

Chemistry, Biochemistry, and Physics

Department website: ewu.edu/cstem/chemistry-biochemistry/ and ewu.edu/cstem/physics

Did anyone say Eclipse?



April 8, 2024



Department Highlights

Design

Department website: ewu.edu/cstem/design/

4D Print Studio is now a CSTEM Student Club! Student and faculty collaboration is working to host events and establish an inclusive and safe space for all EWU students and the greater Spokane community as a whole, to create, design, and pursue opportunities both inside and outside of the Studio.

Mathematics

Department website: ewu.edu/cstem/mathematics/

SIAM(Society for Industrial and Applied Mathematics Student Chapter) and MEC (Math Education Club) celebrated our favorite Pi Day with a bake sale and pie walk.

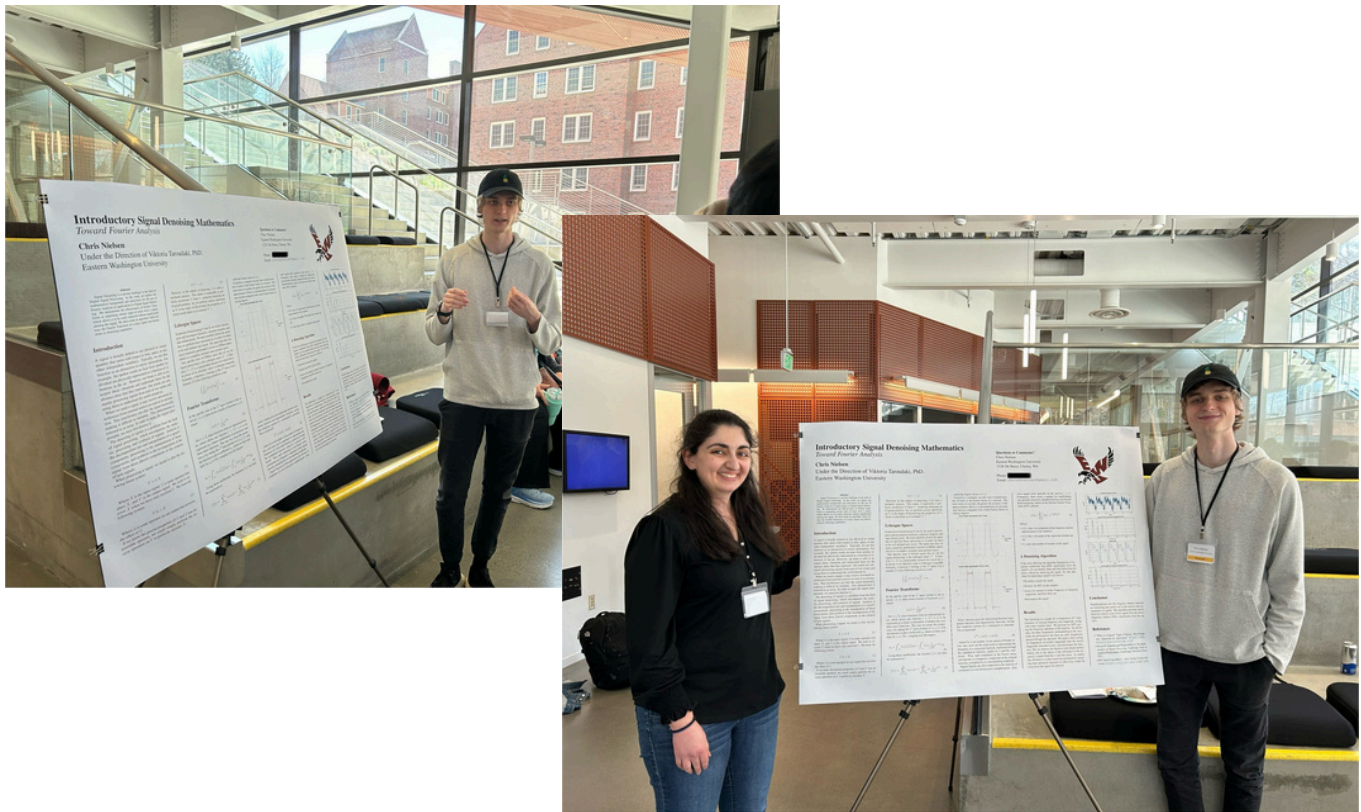


Department Highlights

Mathematics

Department website: ewu.edu/cstem/mathematics/

Student **Chris Nielsen** and Faculty **Dr. Viktoria Taroudaki** presented their poster “Introductory Signal Denoising Mathematics” at PIMUC and University of Idaho, April 13 2024



Geosciences

Department website: ewu.edu/cstem/geosciences/

Working hard in their Spring classes and for student success! Geosciences Student Club meetings are every other Tuesday starting April 23 in ISC 301, 12:00 pm.