

# THE POWER OF CREATIVE

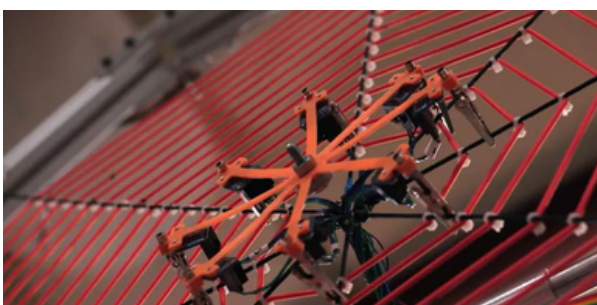
## DESIGN FOR SOCIAL IMPACT (DSI)

Design for Social Impact (DSI) is an educational approach that focuses on preparing students to address and solve pressing societal issues through design thinking. It provides a transformative educational experience for students across various majors, fostering open-mindedness and curiosity. The curriculum is characterized by flexibility, a project-oriented approach, and multidisciplinary learning. DSI emphasizes accountability, leadership, and innovation, aiming to empower graduates to tackle significant challenges. The hands-on project experiences within DSI involve collaboration among students to design practical solutions for real clients, including Oregon State University, local and Oregon communities, non-profit organizations, the arts, and industry partners. This approach ensures that students gain practical skills and contribute meaningfully to social impact initiatives.

Upon successful completion of the program, students receive the DSI Certificate, a transcript-visible testament to their dedication to addressing societal challenges through innovative design solutions. The DSI Certificate Experience encompasses a accessible 27-credit curriculum, including a required core experience that delves into design, social justice, and a culminating project. Additionally, students have the flexibility to choose 9 to 16 credits from a range of elective focus courses covering sustainability, technological innovations in the arts, social change, and entrepreneurship. This interdisciplinary approach ensures that graduates not only possess a deep understanding of design for social impact but also a diverse skill set to make meaningful contributions in various fields.

## OPB NEWS RELEASE TWO ARTICLES

OPB News has released two remarkable articles exemplifying the transformative potential of the Design for Social Impact (DSI) certificate program. The SpiderHarp, featured in an enchanting article by Oregon Field Guide, showcases the collaborative efforts between OSU Engineering and Music, including Ross Hatton and Chet Udell.



**Dr. Chet Udell**  
Associate Prof | Director OPEnS Lab | Oregon State University  
Multidisciplinary Programs Administrator | Design For Social Impact

This project, integrating robotics, biology, and music, demonstrates the innovative intersections made possible through the DSI approach. Similarly, the Pied Piper's Vineyard Symphony, highlighted on OPB's All Science No Fiction, reflects the collaborative endeavors of OSU's Openly Published Environmental Sensing Lab students, Entomology professor Vaughn Walton, and vineyard owner Mark Huff. By taking part in the DSI certificate program, students can be catalysts for change, contributing to projects like these that creatively address real-world challenges at the nexus of science, art, sustainability, and society. The program provides a platform for students to embark on unique journeys, creating solutions that resonate beyond the classroom.

## ABOUT THIS ARTICLE

1. SpiderHarp Symphony: Weaving Innovation in Music and Engineering.

Dive into the enchanting world of SpiderHarp, a 4-foot web instrument showcased in a captivating article by Oregon Field Guide. Uncover the harmony that unfolds when robotics, biology, and music intertwine, as Ross Hatton, OSU Robotics, and Chet Udell, BEE, collaborate with students to explore the intersection of musical performance and spider web vibrations. Immerse yourself in this unique blend of science and art: [Read more]

(<https://www.opb.org/show/oregonfieldguide/>)

2. Pied Piper's Vineyard Symphony: A Musical Quest Against Pests.

Join the melodious journey of Pied Piper, a project spotlighted on OPB's All Science No Fiction. Discover the innovative device designed to combat vineyard pests by luring them with bug music. While the web video captures a snippet, anticipate the full tale on TV and radio release. Tune in to the fascinating story here:

(<https://watch.opb.org/video/vineyard-robots-they-call-it-the-pied-piper-bbutrn/>) and explore more on [OPB homepage] (<https://watch.opb.org/>).