



The Center for Technology Outreach



In 2015, outreach involved 2,400 students K-12 in 28 different events. EAST outreach was featured on TV seven times in 2015.

EAST's outreach is multilayered to reach a wide audience and meet different objectives. We offer many day events to teach young people about EAST, including Parent-Daughter Engineering Day, on-site tours and STEM fests and expos. K-12 outreach programs include FIRST TechChallenge Robotics, FIRST LEGO League, SeaPerch Underwater Robotics and Manufacturing Engineering Technology Camp. We are particularly proud of our newest program, WSU PREP, a free seven-week summer school for junior high students. The PREP is an intensive math, engineering and science program for kids who want to be challenged intellectually, have fun and make friends all at the same time. We really believe the PREP has the potential to change students lives, positively impact all colleges at WSU and help Utah grow its own engineers, technologists and scientists. WSU PREP is a collaborative effort that includes the College of Science, CCEL's Community Research Extension, the Davis, Ogden and Weber School Districts, Soroptomist International and Hill Air Force Base. Visit weber.edu/east/outreach.html for more information.

Would you like to be a part of this great work to encourage our rising generation to embrace STEM professions? Please contact Dana Dellinger at 801-626-7552 or danadellinger@weber.edu to volunteer.



A Message from the Dean

This has been another amazing year for for our college. To list only a few things: our name is now the College of Engineering, Applied Science & Technology. We added 'Engineering' as we were approved for our first graduate degree: The Master of Science in Computer Engineering. Over \$24 million was pledged to the college during our comprehensive campaign, which is just wrapping up this June. Our WSU PREP (pre-engineering program) seven-week summer camp received the WSU's Gwen Williams Prize for excellence.

I hope you enjoy this short printed newsletter. Sometimes delivering the news the old-fashioned way is the best. For even more information visit us online!

Visit the EAST website for more information:

weber.edu/east

Inside this Issue

Highlights page 2

New Masters Program page 3

The Concept Center page 3

Highlights

Faculty Highlight Jeremy Farner



At Weber State, our faculty aim to teach students about real-world situations as well as how to give back to others. Jeremy Farner has exhibited this by encouraging WSU colleagues to improve the lives of the international community. He has also helped by designing, scheduling, estimating and ultimately building a women's training center in Mozambique, a dining hall and kitchen for an orphanage in Thailand and a training center and preschool in Peru. Jeremy and other faculty plan to visit Africa to build a solar-powered library in summer 2017, and China to build a school the following year. **Jeremy won the 2015 CCEL UCC Community Engaged Scholar Award.**

Student Highlight Daniel Romero



What year are you?

I am a senior, and I will be graduating in the spring of 2017. I am a dual major in applied mathematics and computer science.

Have you had any internships?

In the summer of 2015, I participated in the AMALTHEA Research Experience for Undergraduates (REU) at the Florida Institute of Technology, in Melbourne, Florida. AMALTHEA stands for Advances of Machine Learning in Theory and Applications. Machine Learning is a branch of artificial intelligence. The National Science Foundation has REU all over the nation, and I highly encourage students to look into these programs.

Have you served any interesting roles while being at Weber?

In April of 2016, I was inaugurated into my position as senator for The College of Engineering, Applied Science & Technology. I recently became the president of the WSU Association for Computing Machinery chapter. I am also a Calculus I supplemental instruction leader and a computer science department lab aide.

Do you have any recommendations to future students?

My recommendations for future students: do not be afraid to ask questions, participate in class, attend supplemental instruction, take advantage of office hours, create meaningful relationships with your professors and peers, apply for scholarships, know that you have access to free healthcare, take advantage of other services provided by WSU, join clubs and organization and strengthen the community and yourself by volunteering.

Alumni Highlight Kerry Tobin



When did you graduate from Weber State?

1971 with a two-year degree in machine tool technology, and 1975 with a Bachelor of Science in manufacturing engineering technology.

What kind of advice do you have for students?

Your education will be worth the effort in the long run. It is something that can't be taken away from you. You will increase your earning power and allow yourself more latitude in your profession.

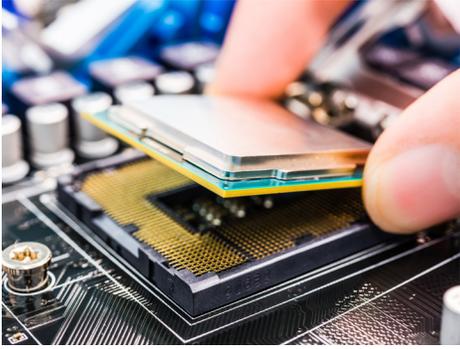
Why did you create a scholarship endowment?

My wife and I want to give back to Weber State something that will help students gain an education and ease their burdens a little.

What experience, academic or otherwise, has had the most impact on you?

I worked in the manufacturing industry for several years before I came to teach at Weber State, and for many years concurrently while at Weber State. From what I learned from my professors, I learned what it takes to be successful in the workforce, and to get things done with the help of others. I like to pass this on to students as often as I can.

New master's program and the Concept Center



Master of Science in Computer Engineering

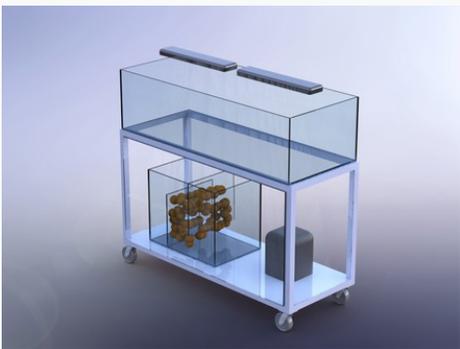
EAST will now offer a new Bachelor of Science in computer engineering and a Master of Science in computer engineering. Students can combine both degrees in a five-year accelerated program. More than 25 students are expected to begin the program in the College of Engineering, Applied Science & Technology in fall semester with anticipated growth to more than 110 by 2020. Please visit weber.edu/msce for more information.



The Concept Center

From designing a state-of-the-art bicycle brake system to helping a musician create a prosthetic device to hold a guitar pick, Weber State University students are designing, engineering and prototyping new technologies for businesses and the community. The Concept Center, housed in the College of Engineering, Applied Science & Technology, has worked on more than 40 large projects and collaborated with 100+ companies. Please visit weber.edu/east/concept for more information.

Senior Projects



Weber WildFish

Trout Unlimited provides a beneficial program for Utah schools, called Trout in the Classroom. The Division of Fish and Wildlife describes Trout in the Classroom as “a science-based program that teaches children about the importance of cold-water conservation through a hands-on approach to learning.” Students learn “through the process of raising trout from eggs and the importance of clean cold water.” As a dedicated team, Weber Wildfish will help fulfill Trout in the Classroom’s mission by designing and building functional fish hatcheries for Utah schools.



Tiny House

The Net-Zero Studio is a design-and-build project with some basic goals in mind: education, compliance to standards and policies, efficiency and appeal. One goal of our project is to create the living laboratory as an educational entity for the community. We want to showcase cutting-edge technology and green building techniques that encourage green living. The studio will be used by professors at Weber State for education on different subjects including architecture, environment and electrical engineering. Our project has been built using National Green Building Standards. We will also follow Passive House guidelines in our construction, and the building will be in compliance with Ogden City ordinances.

Make a Gift

Name _____ Phone _____
Address _____ City _____
State _____ Zip _____ Email _____

Designation Information:

- College of Engineering Applied Science & Technology Scholarship Fund (529008)
 Other (designate area here) _____

Giving Options:

- Check:** Enclosed is my check payable to **WEBER STATE UNIVERSITY**
 Online: Give at www.weber.edu/give
 Credit: Charge my credit card: # _____ Exp. _____ Code _____

Total Gift Amount \$ _____ Signature _____
 Check here to satisfy your total gift pledge in 12 monthly installments.

Weber State University is a 501(c)3 nonprofit organization. Federal Tax ID #87-6000535.
Your contribution is tax deductible to the extent allowed by law. Please consult your tax advisor for details on deductibility.



Donor Giving Levels

- President's Society Platinum*: \$10,000+
 President's Society Gold*: \$5,000
 President's Society Silver*: \$2,500
 President's Society Bronze*: \$1,000

*^Make your gift via monthly credit card installments:
(Only \$83.34/month for President's Society Bronze)*

**Those making annual gifts of ≥\$1,000 are invited to
receptions for conversation with Pres. Chuck Wight.*

- Dean's Club: \$500
 Director's Club: \$250
 Anniversary Club: \$125
 Other Amount: \$ _____

**A \$35 alumni membership will be applied to
gifts ≥ \$125 and will be receipted accordingly.
Check circle to decline.**

Make a gift online at weber.edu/east or mail

Weber State University Development Office
1265 Village Way Department 4018
Ogden, Utah 84408-4018.