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.
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.
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 online at weber.edu/east or mail
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