Our Students
530 O’Connell Technology Center, Room 313
www.csuchico.edu/eece
Chico, CA 95929-0888

Our Students
Students from across the US and 10 countries
- Out of students (18.6%) on Dean’s List in Fall 2018
- Were awarded 5 College scholarships for the 2018-2019 academic year.
- Mr. Jackson Ryan received the ECC College Outstanding Student Leader award in Spring 2018.
- Were engaged in IEEE Xtreme Coding Competition, the Micromouse Competition, constructing a drone that will be entered for the first time in a competition later this year, and are designing a solar energy system for a clinic in Nigeria, opened by the CSU Chico School of Nursing.

Scholarships and Awards
99 BS Computer Engineering majors
180 BS Electrical/Electronic Engineering majors

- Both programs are accredited by the Engineering Accreditation Commission of ABET
- Students are employed at engineering firms locally and across the country: Intel, Disney, Rockwell Collins, Helix Electric, and AJA Video. Several Alums have gone on to start their own companies.
- Two of our recent graduates, Mr. David Silveira and Mr. John-Mark Mamalakis, have joined CSU, Chico and are teaching our EECE students, making positive impacts on student learning and receiving rave reviews.

Our Students

Our students and faculty believe in giving back and self-improvement. They have engaged in various activities during the weekends.

DEPARTMENT UPDATES
The Electrical and Computer Department (EECE) is growing and looks forward to serving our students by offering a wide gamut of hands-on instruction, extracurricular activities, and exciting research opportunities.

- The EECE Department, along with the MMEM Department, looks forward to the opening of the Omron Mechatronic Co-Lab, which will include workspace for class projects and senior design projects on robotics and controls. The lab is made possible by a generous grant from Omron Corporation, a leader in automation, electronics, and healthcare.
- A redesign of our computer engineering courses means that our students are learning about the Internet of Things, high-performance computing, and real-time embedded programming and applying their knowledge in state-of-the-art system design. Students are introduced to advanced field-programmable gate arrays (FPGAs) early in our curricula. This and other hands-on design opportunities throughout our Computer Engineering and Electrical/Electronic Engineering programs make our programs standout and have been highlighted by many of the companies that recruit our students.
- With the hiring of Drs. Zahrasadat Alavi and Hassan Salehi, the EECE Department has considerable expertise in biomedical imaging and instrumentation. Senior electives have been developed and lower division courses are planned that will engage students from multiple disciplines. This foundation opens many opportunities particularly in California, which leads the US in the employment of biomedical engineers. Furthermore, image and signal processing techniques are applied in many areas of engineering beyond biomedical engineering with the most news-worthy being autonomous navigation for driverless cars and humanoid robotics.

ALUMNI IN ACTION
Our students were awarded 5 College scholarships for the 2018-2019 academic year.

STUDENT ACTIVITIES
Students on the CSU Chico IEEE Student Chapter are engaged in IEEE Xtreme Coding Competition, the Micromouse Competition, constructing a drone that will be entered for the first time in a competition later this year, and are designing a solar energy system for a clinic in Nigeria, opened by the CSU Chico School of Nursing.

“The CSUC IEEE student chapter allowed me to connect with other students who had similar interests and work on projects that reinforced what I was learning in my classes.”
- Robert Goldansky (Junior EECE Student)

“The reason that I chose to attend Chico State for Electrical Engineering, was because of the personable nature of the professors that I met and the ratio of students to instructor in each of the courses. Many of the other schools I toured had large class sizes, and I felt that I would not receive the direct instruction that the EECE department offered. The EECE department enables students to explore their own path through electrical or computer engineering, encouraged by the approachable nature of the students and faculty.”
- Brinley Owen (May 2018 Graduate)
“Tomas Galvan-Huerta, an Electrical Engineer with experience in iOS developing. As a transfer student from the opposite end of California, I was really scared of the transition coming to Chico State. My expectations of the EECE department have been exceeded. All the professors teach with experience in their respected fields and experience teaching students, guiding us towards the career we want to embark. All outside of the department is her work to expand the pool of engineering students. Her outreach activities introduce STEM to elementary and middle schoolers. As the faculty advisor for the CSU Chico Society of Women Engineers (SWE), she has combined her interests and the club’s outreach events. For instance, SWE is about to host its 8th annual Imagineer Day, an action-packed eight hours of STEM activities for local K-8th graders. Imagineer Day has garnered attention, not only from the 250+ children who participated and their parents. Local companies are also taking note of this fantastic outreach program; and Sierra Pacific Foundation recently donated $3,000 to support the event.

In recognition of her achievements, Dr. Mustafa received the CSU Chico Outstanding Student Organization Advisor in Spring 2018.

RESEARCH PROGRESS.

Our faculty and students contribute to science and engineering as they engage in research projects such as the creation of algorithms to protect our growing ‘smart’ infrastructure from cyberattacks and the development of new imaging techniques such as photoacoustic imaging of biological samples. Students can participate at any point in their academic careers and during summer. McCloud Institute of Simulation Science, led by Dr. Kurtis Kredo, and Defense Modeling and Simulation Office are developing the higher level architecture (HLA) University Outreach Program. Dr. Kredo and Drs. Hadil Mustafa, Zahrasadat Alavi, and Roy Crosbie are working to inform simulation users about the applications of HLA to a broad range of problems, to encourage application of the HLA to non-DoD models, to stimulate research into open HLA-related problems, and to develop course material for students across the Nation. 2019 is the 20th year anniversary of the CSU Chico McLeod Graduate Lab, which recently donated $3,000 to support this fantastic outreach program; and Sierra Pacific Foundation recently donated $3,000 to support the event.

In recognition of her achievements, Dr. Mustafa received the CSU Chico Outstanding Student Organization Advisor in Spring 2018.

Dr. Meghdad (Amin) Hajimorad’s goals in teaching is to have every student determine the optimal use of analog and digital electronic circuits, understand the theories behind their designs, and to be confident in their ability to engineer solutions to complex problems. He has integrated his research interests in biomedical and biology systems into the projects assigned in his courses. One course project, an electroencephalogram (EEG) sensor, recently led to the participation of Dr. Hajimorad and two students, Andres Marquez and Dalton Dodge, in the CSU i-Corp program. CSU i-Corp provides an opportunity to learn “Lean Startup” concepts and commercialization by applying evidence-based entrepreneurship concepts through customer discovery. Dr. Hajimorad and the two students are working to find a problem-solution fit to help stroke patients recover from post-stroke symptoms using the EEG sensor along with other subsystems that they have designed during the CSU i-Corp program. In addition to his teaching and research, Dr. Hajimorad serves as chair of the Electrical/Engineering curriculum committee and advisor to IEEE-HKN.

“Tomas Galvan-Huerta (Junior EECE student)

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