

# California State University Chico

Electrical and Computer Engineering,  
Computer Science,  
Mechanical and Mechatronic Engineering and Sustainable Manufacturing  
Civil Engineering



## 2020 Summer Engineering and Math Bootcamp

**LOOKING TO SUCCEED IN YOUR MATH CLASSES?**

**INTERESTED IN LEARNING MORE ABOUT YOUR MAJOR?**

**GET TO KNOW STUDENTS AND FACULTY AS YOU BECOME A WILDCAT!**

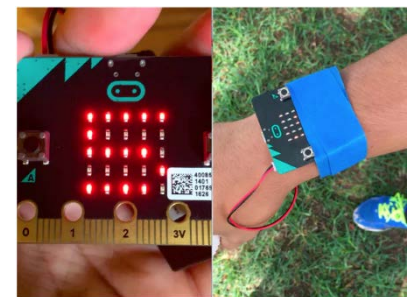
The College of ECC is offering an online **\*\*FREE\*\*** 3 week summer bootcamp for Computer Science, Electrical and Computer Engineering, Mechanical and Mechatronic Engineering and Sustainable Manufacturing, and Civil Engineering students.

Students in the bootcamp will:

- Be mentored on Pre-Calculus topics, which will provide a great foundation for Fall 2020 MATH courses.
- Learn about some of the engineering and computer science disciplines while completing fun computer science and engineering projects.

The projects include:

- o Designing and constructing your own truss bridge and testing the loading capacity it can sustain!
- o Seeing how close are your estimation of the distance that a 3D-printed trebuchet will launch a projectile!
- o Learning how to program a microprocessor to control a robot to run autonomously through a route, complete with obstacles!



## WHEN AND WHERE

**Dates:** July 20<sup>th</sup> – August 7<sup>th</sup> (3 weeks)

**Time:** Monday-Friday 9:00am-4:30pm

**Location:** Online and a small workspace in your home

**How:** Materials for the projects will be shipped to you

## ELIGIBILITY

- Incoming first- year college freshmen OR incoming transfer students who are enrolled in classes in Fall 2020.
- Majors: Electrical/Computer Engineering, Computer Science, and Mechanical/Mechatronic Engineering and Sustainable Manufacturing, Civil Engineering
- Priority given to students who are underrepresented in engineering (i.e. women, underrepresented minorities in STEM, first-generation, and low-income students).

## HOW TO APPLY

Applications due \*\* 5:00 pm on Friday, June 5, 2020 \*\*

**Fees:** \*\* NONE \*\*

## ADDITIONAL INFORMATION:

- A computer with a webcam that can regularly connect to the internet
- The required parts, hardware and materials will be mailed to the students upon being accepted in the **Engineering and Math Bootcamp**.

**Program Coordinator:** Dr. Zahrasadat Alavi, Assistant Professor, Department of Electrical and Computer Engineering, CSU Chico

**Questions?** Email Dr. Zahrasadat Alavi at [zalavi@csuchico.edu](mailto:zalavi@csuchico.edu)

Please be sure to complete the application. This is the first impression you will make as we review who will be admitted to the summer bootcamp. So, consider how best to communicate why you want to participate in the CSU Chico **Engineering and Math Bootcamp** in your responses in the application.

Watch your email! Students will be sent their acceptance into the bootcamp by **June 12, 2020**.

**Email the completed applications to**

**[zalavi@csuchico.edu](mailto:zalavi@csuchico.edu)**