



Summer Camps

Get Hands-on Learning at CBU's Engineering Camp

The **Engineering Summer Camp at CBU** is designed to provide STEM-interested high school students with the opportunity to experience advanced curricula at one of the leading engineering universities. The camp provides exposure to different areas of engineering through demonstrations, classroom presentations, hands-on activities, and interactions with various students, staff, and professors.

Engineering Camp | \$300

6/13-17 | 9:00 am - 4:30 pm

The Engineering STEM Camp for students will provide participants with the knowledge and experience to build a small mobile robot using the Sparkfun Inventors Kit, explain aerodynamics using a FliteTest model airplane and also make and explain the process of creating concrete.

The Sparkfun kit includes everything necessary to build circuits using LEDs, sonar sensors, motors, and other devices. Participants will learn how to program the robot's microcontroller to move in various directions and to respond to input from the sensors.

Participants will also build the Flitetest mini sparrow foam board airplane. As part of the activity, there will be discussions around weight and balance, aerodynamics, and overall flight behavior. Additional aviation-related topics will include pressure and density altitude and other weather-related phenomena.



For more information,
contact Dr. Eric Welch

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Register here today or visit cbu.edu/summer-camps