2019 Bobcat Summer STEM Academy

The goal of this summer academy is to stimulate the interest of middle school and high school students in science, technology, and engineering, and mathematics (STEM) disciplines and prepare them to pursue higher education.

Middle School Sessions (open to 5th through 8th grade)

#1 - JUNE 10TH - JUNE 14TH: LIGHT, LASERS & OPTICS!
Brought to you by Dr. Anna Kelley in collaboration with the CalTeach program

- Students will learn concepts related to basic physics and apply that knowledge through hands-on activities related to measuring wavelengths.

#2 - JUNE 10TH - JUNE 21ST: 3D MODELING CREATIONS
Brought to you by Dr. Alejandro Gutierrez's team (School of Engineering at UC Merced)

- Students will learn basic 3D modeling concepts and apply that knowledge through hands-on activities using 3D printing and fabricate their rover prototypes.

#3 - JUNE 24TH - JUNE 28TH: RESEARCH & PROGRAMMING USING ROBOTICS
Brought to you by Dr. YangQuan Chen's team (School of Engineering at UC Merced)

- Students will learn concepts related to solving problems through hands-on activities using tools present in forensic science.

#4 - JULY 8TH - JULY 12TH: CSI - BOBCAT INVESTIGATIVE FILES
Brought to you by CalTeach Program & the UC Merced Police Department

- Students will learn skills related to solving cases through hands-on activities related to crime scene investigation.

#5 - JULY 15TH - JULY 19TH: ALL ABOUT CHEMISTRY
Brought to you by Dr. Erik Mariscal in collaboration with the CalTech program

- Students will learn introductory chemistry concepts through hands-on activities.

#6 - JULY 22ND - JULY 26TH: DISCOVERING A CURE: ADVENTURES IN MICROBIOLOGY
Brought to you by Dr. Aaron Chavan (School of Natural Sciences at UC Merced)

- Students will learn concepts related to microbiology techniques that are used in many biochemical research labs. Some topics will also involve a coding session.

High School Sessions (open to 9th through 12th grade)

#1 - JUNE 10TH - JUNE 14TH: 3D MODELING CREATIONS
Brought to you by Dr. Alejandro Gutierrez's team (School of Engineering at UC Merced)

- Students will learn basic 3D modeling concepts and apply that knowledge through hands-on activities using 3D printing and fabricate their rover prototypes.

#2 - JUNE 17TH - JUNE 21ST: RESEARCH & PROGRAMMING USING ROBOTICS
Brought to you by Dr. YangQuan Chen's team (School of Engineering at UC Merced)

- Students will learn concepts related to solving problems through hands-on activities using tools present in forensic science.

#3 - JULY 24TH - JULY 28TH: CODING & ROBOT CAMP
Brought to you by Dr. YangQuan Chen's team (School of Engineering at UC Merced)

- Students will explore different problem solving skills in software development and have fun activities in programming with robotics.

#4 - JULY 1ST & JULY 2ND (TWO-DAY): WANT TO BE A PUBLIC HEALTH DETECTIVE?
Brought to you by CalTeach Program & the UC Merced Police Department

- Students will learn concepts and study skills needed to succeed in AP Calculus.

#5 - JUNE 17TH - JUNE 21ST: SUCCESS IN AP BIOLOGY
Brought to you by CalTeach Program at UC Merced

- Students will learn concepts and study skills needed to succeed in AP Biology.

#6 - JULY 15TH - JUNE 19TH: CSI - BOBCAT INVESTIGATIVE FILES
Brought to you by CalTeach Program & the UC Merced Police Department

- Students will learn concepts and study skills needed to succeed in AP Chemistry.

#7 - JULY 22ND - JULY 26TH: SUCCESS IN AP CALCULUS
Brought to you by CalTeach Program at UC Merced

- Students will learn concepts and study skills needed to succeed in AP Calculus.

Registration link:
- Please register at this link to reserve a spot and pay for the workshop: https://commerce.cashnet.com/UCME251_W1
- Registration: Will open up April 22nd until May 31st or until all spots are filled!

Questions?
Email: calteach@ucmerced.edu
Call: 209-228-4098

PRICING FOR THE SESSION INCLUDES SNACKS, DRINKS, LUNCH & INSTRUCTION FOR EVERY DAY OF THE SESSION.

- Times: 9am to 4pm
- One week session
- Pricing: $100
- Spots: 24