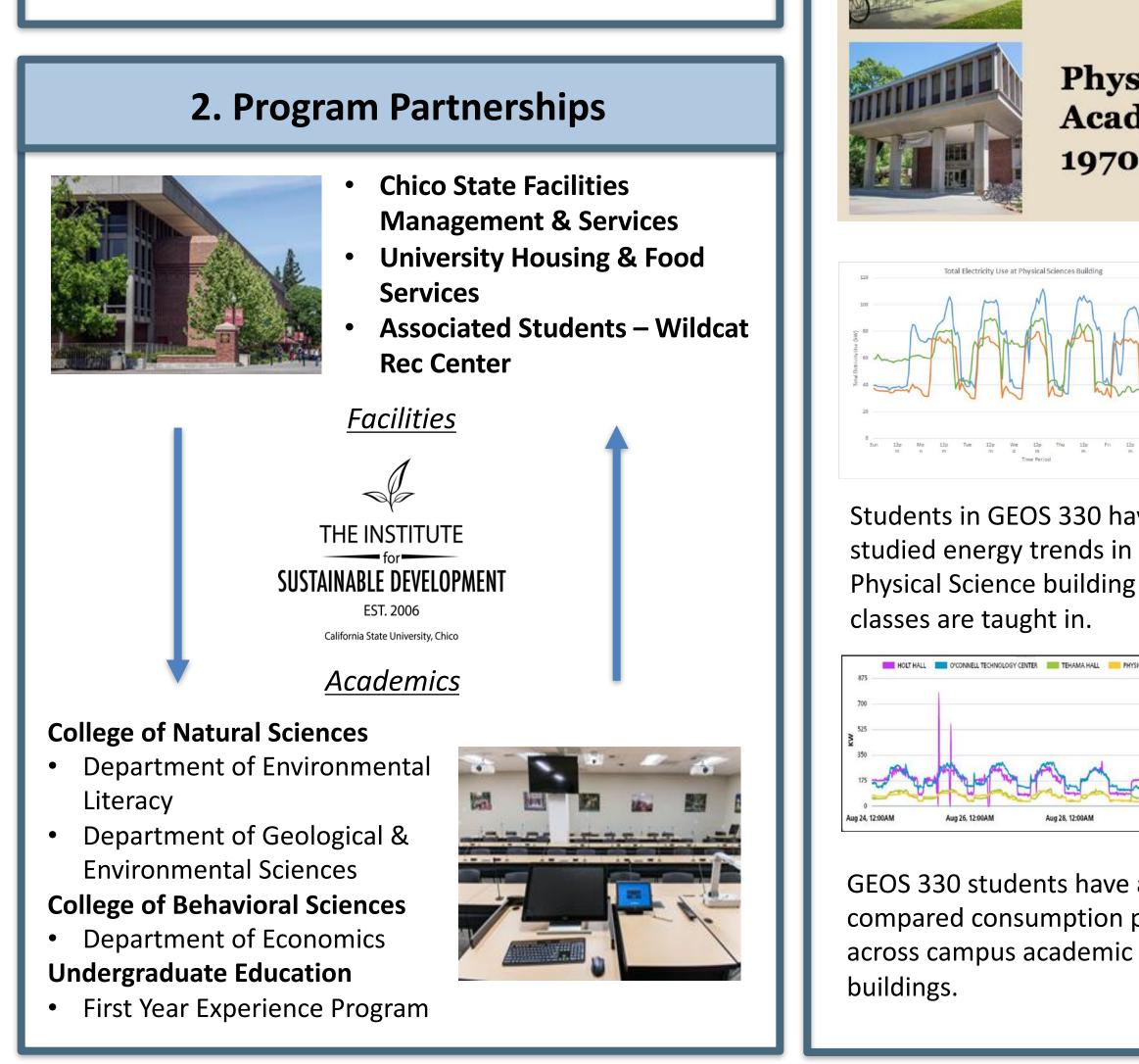


## California State University, Chico Campus As a Living Lab (CALL) Project: Sense of Place **Connecting Courses Across the Sustainability Pathway with Campus Utility Data**

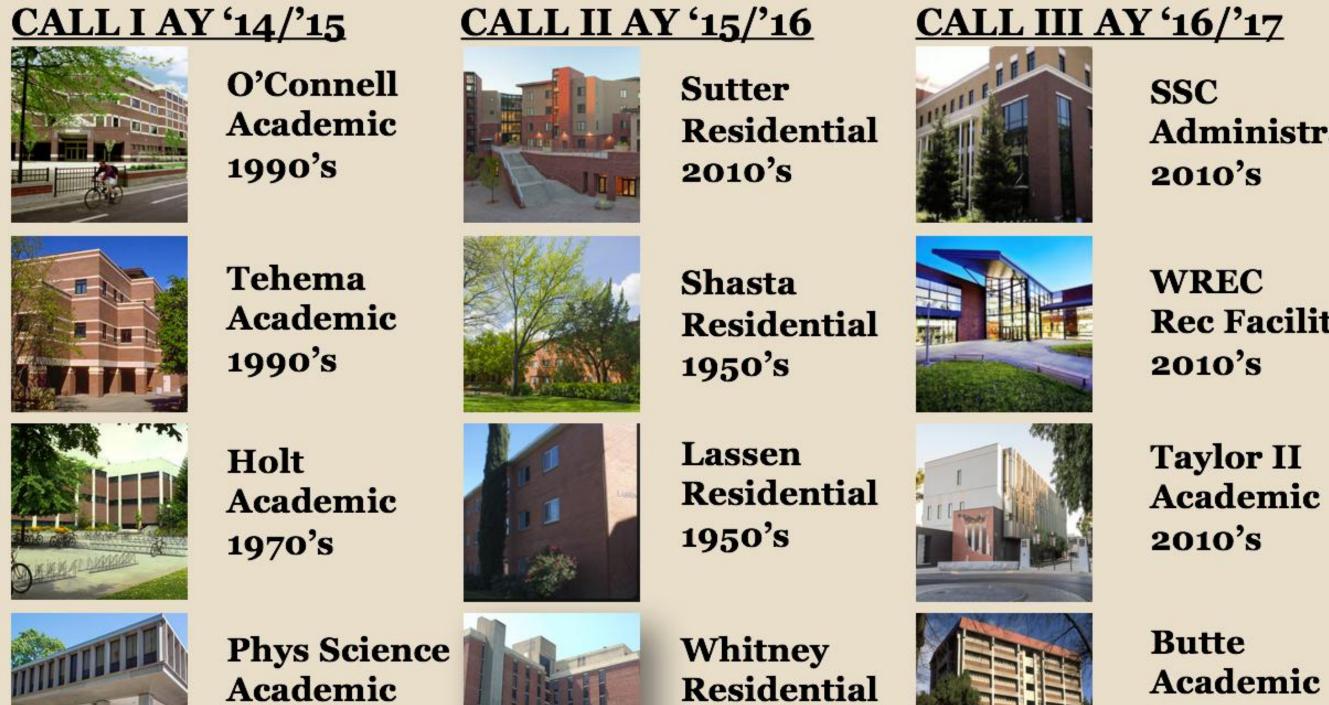
James C. Pushnik and Fletcher K. Alexander Colleen Hatfield, Kristen Kaczynski, David Brown, Eric Willard, Janine Stone, Thia Wolf, Nathaniel Millard Kevin Doyle, Neil Nunn, Dan Hayden, Mike Bates, Bob Smith, Dan Murphy, Curtis Sicheneder

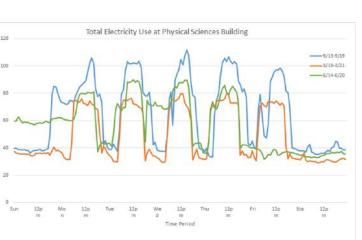
## **1. CALL Objectives**

- Establish a public point of access to campus building energy consumption data and foster an expanded dialogue between students, faculty, administration and facilities management regarding campus energy consumption and opportunities for conservation.
- Integrate real campus utility data into the sustainability pathway course curriculum with a focus on utilizing cutting-edge utility management software programs and analytics in new and innovative ways.
- Explore a range of strategies for engaging building occupants and residents in better understanding their buildings and the impacts of their interactions with them on campus energy consumption and compel them to act for conservation.



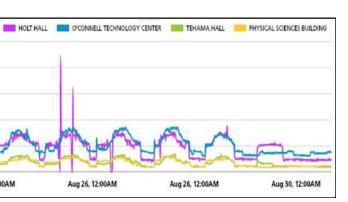
## 3. Campus Building Integration & Academic Course Outcomes





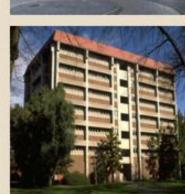
1970's

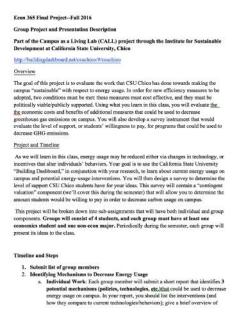
Students in GEOS 330 have studied energy trends in the Physical Science building their



GEOS 330 students have also compared consumption patterns

Residential 1950's





incentivize

Just 2 min per day of stair climbing Reduces the risk of middle aged obesity by 50%

Monthly Average 2016

analyzed energy trends in three

campus residence halls and the

Students in ENVL 105 have

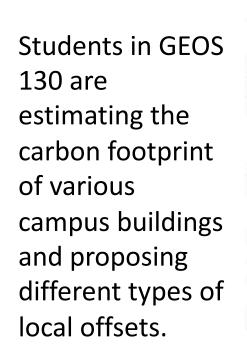
500.0

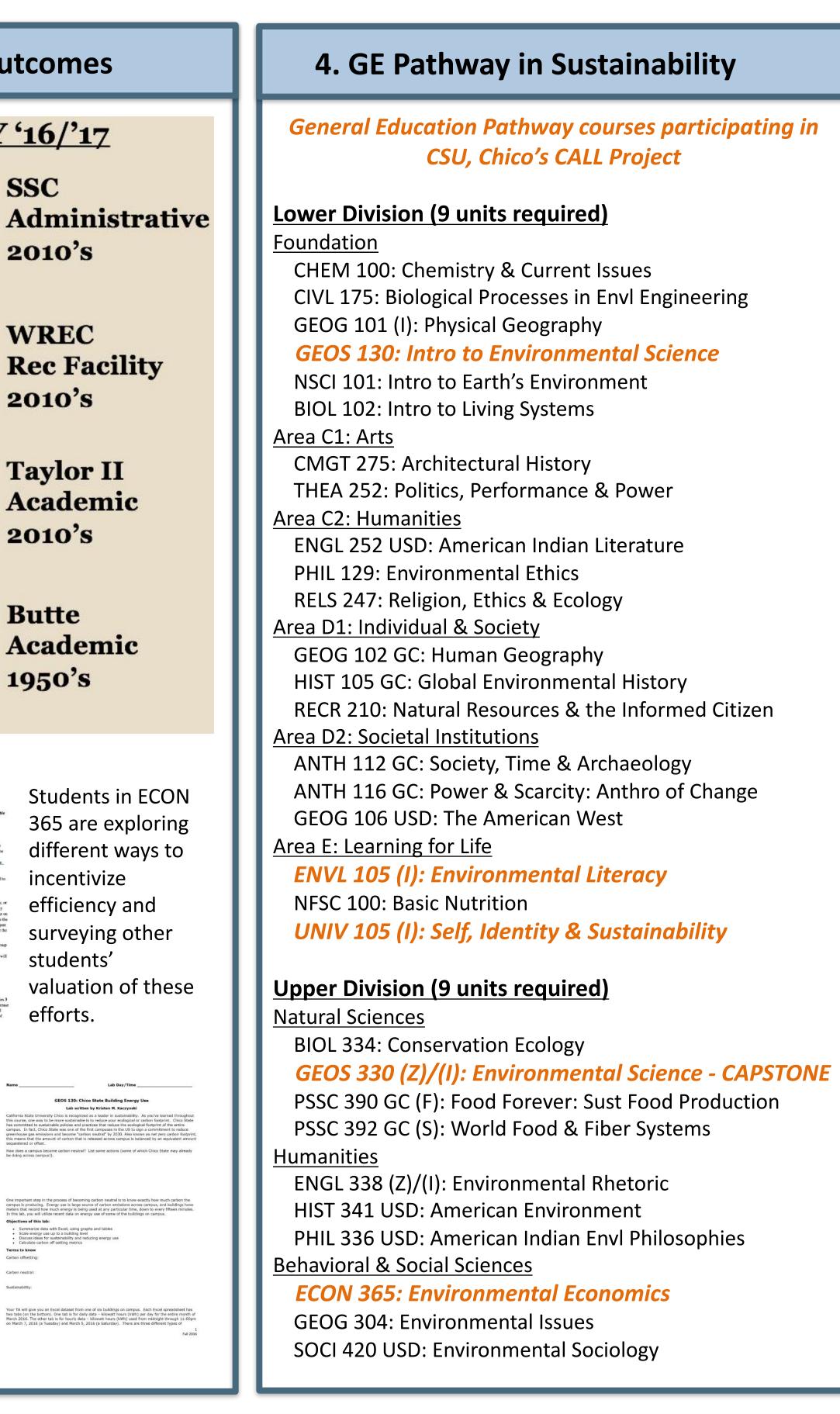
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dining center.

Students in UNIV 105 have developed peer-to-peer outreach videos encouraging residents to act for conservation.





CSU