The University of Connecticut will host a Research Experience for Undergraduates program in Energy Processes and Systems within the Departments of Mechanical Engineering, Chemical Materials and Biomolecular Engineering, and Chemistry. The program consists of 10-weeks of intensive research experiences in the laboratories of one of the participating faculty working alongside graduate students in areas of energy systems. Support for the program will provide participants with room and board for the ten week period along with a stipend of $4000 and a travel allowance. Interested students should review the participating faculty and projects listed below and complete an online application at: https://secure.engr.uconn.edu/mereu/

Dates: Check-in Tuesday May 28th. Check-out Saturday August 3rd.

Application process: Apply at https://secure.engr.uconn.edu/mereu/. A transcript and two letters of recommendation are required. Applications will be reviewed beginning February 1, 2013. Preference will be given to applications submitted by this date. Late applications will be considered if spots are still available.

Program features: In addition to individual research projects in faculty labs, the REU participants will have weekly workshops on effective research practices, oral and written communication, and research ethics. Seminars from industry leaders in energy engineering will be scheduled. Social activities for the REU participants include day trips to Boston, New York and the Connecticut coast.

Participating faculty and research areas

Combustion:
Michael Renfro (http://www.engr.uconn.edu/~renfro/)
Baki Cetegen (http://www.engr.uconn.edu/~cetegen/CGDRL/home.html)

Fuel Cells and Porous Structures:
Ugur Pasaogullari (http://www.engr.uconn.edu/me/cms/index.php/people/65-pasaogullari.html)
Wilson Chiu (http://www.engr.uconn.edu/me/cms/index.php/people/39-wilsonchiu.html)

Biofuels:
Richard Parnas (http://www.cmbe.engr.uconn.edu/profile_parnas_richard.html)
Nicholas Leadbeater (http://chemistry.uconn.edu/leadbeater/index.html)

Films for Solar Energy and Failure of Coatings:
Kevin Murphy (http://www.engr.uconn.edu/~kdm/)
Alexander Agrios (http://www.engr.uconn.edu/cee/undergrad/admission/15-research/36-alex.html)

Biological Wastewater Treatment and Microbial Fuel Cells:
Jeffrey McCutcheon (http://www.cmbe.engr.uconn.edu/profile_mccutcheon_jeffrey.html)
Baikun Li (http://www.engr.uconn.edu/~baikun/)