



Ever wanted to do real, original science? Here's your chance! Join the Carnegie Hubble Program (CHP) GCC research group. This is a new, exciting, semester-long project that will introduce two lucky GCC students to cutting-edge astronomical research. Learn how to

analyze data from the Spitzer Space Telescope, find the distance to a galaxy using pulsating stars, and help deduce a more accurate expansion rate of the Universe! (How's that to impress your friends!)

What's in it for me? 1) College credit! (The successful candidates will enroll in a 2 unit independent study class and receive college credit.)

- 2) A paper! Published in a peer-reviewed, astronomical journal that will have your name on it!
- 3) Fame! Presentation of results to real scientists.

About the Team Leaders: Dr. J. Krestow is the planetarium director, and an assistant professor of astronomy here at GCC. Dr. Krestow's research interests include stellar evolution of solar mass stars and science education. Dr. V. Scowcroft is a researcher at the Carnegie Observatories in Pasadena. Dr. Scowcroft works on the Carnegie Hubble Program (CHP) - a Warm Spitzer mission designed to measure the Hubble Constant (expansion rate of the Universe) to an accuracy of 2%. Specifically, Dr. Scowcroft works on Cepheid variable stars, most recently studying the populations of these special stars in the Magellanic Clouds and other nearby galaxies.

We are looking for candidates who: 1) Have an interest in astronomy & physics (completion of Astronomy 120 is recommended)

- 2) Have an interest in computer programming (experience **not** necessary)
- 3) Have good written and oral communication skills

How to Apply: 1) Write a 200 word statement of interest.

- 2) Write a CV/resume outlining education (include any math, physics or astronomy courses taken) and past work experience.
- 3) Email these, **in .pdf format**, with your contact number to both **krestow@glendale.edu** and **vs@obs.carnegiescience.edu** Be sure to **include CHP-GCC in the subject line!**

Deadline for applications: Only those applications received by email, by **3:00 P.M. on Wednesday, February 27th, 2013** will be considered.

Interviews: Those applicants invited for interviews will be notified by telephone, no later than 8:00 P.M., February 27th. Interviews to be held 1:00 - 2:30 P.M. Thursday, February 28th, 2013.

Notification of Successful Applicants: Notification of the two applicants invited to join the research project will be done by telephone, no later than 8:00 PM, Thursday, February 28th, 2013.

Questions? Go find Dr. J. Krestow in CS262!