

NASA CSUN/JPL PAIR PROGRAM DESCRIPTION

As a science or math major, you can apply for an exciting new program at CSUN. This program will help you meet your educational expenses, expand your knowledge of mathematics and science, and help you qualify for jobs and/or competitive graduate programs.

In partnership with Jet Propulsion Laboratory (JPL) and Huntington Medical Research Institute (HMRI), CSUN is offering an interdisciplinary, integrated program designed to give undergraduates early research experiences. The program--called CSUN/JPL PAIR--will introduce you to scientific research in a variety of fields: geophysics, solar physics, proteomics (statistics and computer science applied to the biochemistry of proteins), and NASA planetary missions. PAIR students will strengthen their analytical and computational abilities by working with "real data" from these fields.

To be eligible for CSUN/JPL PAIR, applicants must satisfy these requirements:

- *have completed M150A or 255A and Physics 220A or 100

- *be a major in biology, chemistry, geology/earth sciences, math, or physics

We particularly encourage students from groups historically underrepresented in sciences and mathematics to apply.

Students in each annual entering PAIR cohort will agree to

- *take three of four possible data analysis classes that will be offered in either the summer or intersession--and receive \$1000 and 1 unit of credit per class successfully completed

- *take a GRE preparation course and the GRE exam before graduation

- *attend seminars, tour JPL, travel to conferences (more than \$1000 provided)

- *commit to completing the program in 2 years or less (up to 3 years for special circumstances)

PAIR Research Fellowships (\$15,000) will be awarded to selected students with junior or senior or graduate standing, at least a 3.0 GPA, and a strong interest in working closely with a faculty mentor in an advanced scientific research project.