

**FIVE COLLEGE ASTRONOMY DEPARTMENT
SUMMER 2009 RESEARCH INTERNSHIPS**

During the summer of 2009 the Five College Astronomy Department is offering several undergraduate research internships with department faculty. The summer program will also include activities with other astronomy summer students and research talks by local astronomers. The internships will last for ten weeks, and will provide a stipend of about \$4000.00.

The Five College Astronomy Department conducts research in a wide variety of areas, including the astrophysics of comets, stars, the interstellar medium, and galaxies. There are opportunities to work with radio, infrared, optical, and X-ray data and instruments, and to carry out computer modeling, instrument development, and data analysis.

Eligibility: You must be enrolled at one of the Five Colleges (Amherst, Hampshire, Mt. Holyoke, Smith, or UMass) and not scheduled to graduate before the end of 2009. The internships are open to astronomy majors, and majors in math and sciences who are actively considering a career in astronomy. Juniors planning to write a senior research thesis in astronomy are especially encouraged to apply.

Name:

College:

Major:

Scheduled date of graduation:

e-mail address:

List the two highest-level courses in Physics, Math and Astronomy. you have completed and your grade:

Course	Number	Grade	Course Title
Physics			
Physics			
Math			
Math			
Astronomy			
Astronomy			

What Physics, Math and Astronomy courses are you currently enrolled in?

What is your cumulative grade point average overall and for all of the courses you have completed in physics, math, and astronomy?

overall	physics	math	astronomy
_____	_____	_____	_____

What computer programming experience do you have?

Provide names and phone numbers of two faculty members (at least one in astronomy) whom we may contact as references:

Please attach:

- **A copy of your college transcript (an unofficial version will suffice)**
- **A ~1 page essay describing your career goals and current interests in astronomical research.**

Return completed applications to:

Terri Grzybowski
Five College Astronomy Department
Lederle Graduate Research, Tower B, Room 619-I
University of Massachusetts
Amherst, MA 01003-4525

by **Feb. 13, 2009** for full consideration.

Questions? Please contact Q. Daniel Wang: 545-2131 — wqd@astro.umass.edu