

**College of Engineering
Summer Research Experience for Undergraduates Program**

Request for an Engineering Student for Summer 2011 Research

Faculty Name ____ Stephen Frasier _____

Phone ____ 5-4582 _____

Department __ECE__ email: frasier@ecs.umass.edu _____

Brief description of Summer Research Project (please explain the interdisciplinary nature of this project).

Integration and testing of a phased-array weather radar. The student will work with a team of graduate students in the field testing of a new weather radar. This will introduce the student to a mix of microwave electronics, digital signal processing, and radar meteorology.

Brief description of what the student will be doing:

The student will work with a team of graduate students to operate, test, and evaluate a phased array panel deployed on a vehicle for testing in the local area.

Is this a CASA-related project? Yes X No ____

Preferred background of student (major(s), class, GPA, pre-requisites, etc.):

ECE

Did you mentor a student last summer in the College REU Program?

Yes ____ No X

If yes, please describe the outcomes for that student (i.e. Honor's thesis, conference presentations, manuscripts, papers, etc. Describe accomplishments to date as well as plans for the spring semester if the work has continued):

Please return this form to:

**Lorraine Robidoux,
REU Program Coordinator**

129 Marston Hall

By Friday, February 15, 2011