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