



# GAUSS



The Department of Mathematics is pleased to announce, **GAUSS**, a new program in the Computational Science Training for Undergraduates in Mathematical Sciences (CSUMS) funded by the National Science Foundation. **GAUSS** will highlight the exciting applications in Computer Vision and Image Sciences as motivations for the study of advanced mathematical theory in computation. **GAUSS** is a yearlong program, each student selected to participate will be paid \$10,000 in stipend plus room and board in the summer. The participants will be required not to take any other part time employment during the **GAUSS** year.

## The Goals:

- Enhance computational aspects of education and training of undergraduates by emphasizing both mathematical theory and computational skills
- Better prepare students to pursue careers and graduate study in fields that require integrated strengths in computation and the mathematical sciences

## The Activities:

Each participant will be assigned a faculty mentor, who will serve as a research mentor for the student. All students will take two required courses and will be involved in research projects during the summer and fall semesters, and participate in various group and individual activities through the yearlong training.

- Spring course preparation in Computational Mathematics and Mathematical Modeling
- Summer research experience
- Fall research and more course work in Mathematical Modeling and Computer Vision
- Attending conferences and present research papers
- Field trips to industries
- Guidance on applying and preparing for graduate school
- Weekly seminar

## Who Can Apply?

- US citizens or permanent residents
- Math majors or minors
- Junior (or with three semesters remaining at UCF)
- At least 3.0 GPA

**How to Apply:** Please visit: [www.math.ucf.edu/gauss](http://www.math.ucf.edu/gauss)

About 10 students will be selected for the program in 2009. The selection will be based on

- Academic achievements
- Letter(s) of recommendation
- Personal statement

Application form is available online at [www.math.ucf.edu/gauss](http://www.math.ucf.edu/gauss). The deadline for application is November 30, 2008.

For more information, please contact **GAUSS** director Dr. Mubarak Shah at [shah@math.ucf.edu](mailto:shah@math.ucf.edu)