

# UNIVERSITY of HOUSTON

## COLLEGE of NATURAL SCIENCES & MATHEMATICS



### ADVANCING HOUSTON SCIENCES

The College of Natural Sciences and Mathematics (NSM) is emerging as a nationally-recognized research institution. NSM is building strong health care collaborations and partnerships with the Texas Medical Center as well as bridging its research expertise with NASA and into Houston's energy sector. These collaborations, naturally extending across the globe, are creating tremendous research opportunities and attention. Currently, researchers are developing infection-resistant coatings for biomedical implants and exploring gene mutations connected to chronic diseases. In collaboration with the College of Education, NSM prepares tomorrow's secondary mathematics and science teachers through teachHOUSTON, which gives students hands-on exposure to teaching beginning in their freshman year, yielding well-prepared, certified teachers with a solid foundation in math and science. NSM's outreach programs with area school districts engage students and teachers in science and mathematics initiatives.

### RESEARCHING SUCCESS

The College of Natural Sciences and Mathematics is dedicated to teaching, research and service in the physical and biological sciences, computer science and mathematics. With more than 180 ranked faculty members, NSM is shaping the minds and careers of more than 5,000 students each year. In early 2009, UH and NSM took a major leap forward in its biomedical initiative with the addition of the Center for Nuclear Receptors and Cell Signaling. Scientists in this center are researching next-generation pharmaceuticals and medical technologies to treat cancer, diabetes and other diseases.

**“We are well on our way toward new recognition as a premier metropolitan research college, helping the University of Houston reach top-tier national and international status.”**

**– Mark A. Smith, Dean**





To learn more, please go to [nsm.uh.edu](http://nsm.uh.edu)  
Office of the Dean: 713-743-2611

The University of Houston is an EEO/AA institution.

## COMPETITIVE VISION

From training nanobiologists and next-generation petroleum and environmental scientists, to producing nationally-recognized computer gaming design student teams, the College of Natural Sciences and Mathematics transforms possibilities into breakthroughs. The college's highest priority is to prepare the next generation of scientists to solve global health, energy and environmental challenges through excellence in education and relentless dedication to research. Currently, the NSM vision includes investing more in research and award-winning faculty; recruiting and retaining the highest achieving students; expanding the commitment to diversity; and advancing achievement through outstanding teaching and innovative science.

## DEPARTMENTS

- Biology and Biochemistry
- Chemistry
- Computer Science
- Earth and Atmospheric Sciences
- Mathematics
- Physics

## STUDENT, FACULTY, PROGRAM SUCCESS

- Two NSM students named Barry M. Goldwater Scholars for the 2011-2012 academic year, and three graduates selected as 2011 National Science Foundation Graduate Research Fellows.
- Faculty honors for 2010-2011 included a Humboldt Research Award Winner, a Sloan Research Fellow, and two American Chemical Society Fellows.
- Seven faculty members hold National Science Foundation Career Awards.
- Research activity and opportunity increased with nearly \$34 million in research funding.
- Innovative resources supported student success, including a centralized testing and tutoring center and peer-led team learning workshops.
- Efforts to recruit and retain minority students in science, technology, engineering and mathematics are a priority coordinated at NSM through the Houston Louis Stokes Alliance for Minority Participation.