

Auburn University College of

# SCIENCES & MATHEMATICS

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**5**  
**ACADEMIC  
AREAS**

**36**  
**DEGREE  
OPPORTUNITIES**

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of Sciences and Mathematics

Fall 2013 Enrollment: 2,713  
Bachelor's Degrees: 15  
Graduate Degrees: 18

#### Contact

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- The College of Sciences and Mathematics (COSAM) is one of the largest on the Auburn University campus, providing a 21st century learning environment with five departments and 36 degrees. The five departments are: Biological Sciences, Chemistry and Biochemistry, Geology and Geography, Mathematics and Statistics, and Physics.
- The overall quality of COSAM students is very high, and each year the incoming freshman class routinely has the highest average ACT score and high school GPA of all colleges at the university.
- 52% of COSAM's May 2013 graduates finished with honors.
- The largest COSAM major is biomedical sciences, which comprises students aspiring to attend medical school, vet school, pharmacy school, and other similar post-bachelor of science programs. COSAM continues to have a very strong record that is well above the national average of students gaining entry to professional schools.
- Students in pre-health programs have opportunities to get hands-on experience by attending open houses at professional schools and volunteering at campus and community organizations, the local hospital, private offices, clinics, and nursing homes.
- COSAM students engage in research programs, working independently or with a team, supported by faculty mentors. Research programs provide students with independence, peer interaction, teamwork, real life problem solving, use of basic sciences knowledge, and an opportunity to work one-on-one with a faculty member. Although not required, students can compete for funding from the college and the university. Research experience is extremely valuable, particularly for those planning for professional or graduate school. Many students finish their experience with publications or presentations at national and international conferences.
- The expertise of the college's faculty members has been sought by the National Science Foundation, *National Geographic*, *The New York Times*, the journals *Science* and *Nature*, and other distinctive national outlets.
- Because of COSAM's central role in teaching undergraduates, the college is a leader in new educational initiatives on campus, such as the creation of an Active Learning Classroom to be located in the Sciences Center Classrooms Building. In contrast to traditional classrooms where faculty teach "at" students, often in stadium-style rooms, the Active Learning Classroom is designed to encourage teacher-student interactions and student-student collaborations, two aspects of education that are known to lead to improved learning outcomes. The new classroom will be ready for the fall 2014 semester.

#### Majors

Biomedical Sciences  
Biochemistry  
Chemistry  
Geography  
Geology  
Laboratory Technology  
Actuarial Sciences  
Applied Mathematics  
Applied Discrete Mathematics  
Mathematics  
Medical Technology  
Microbial, Cellular, and Molecular  
Biology  
Physics  
Organismal Biology  
Marine Biology

#### Pre-Professional Curricula

Dentistry  
Medicine  
Optometry  
Pharmacy  
Physical Therapy  
Physician Assistant  
Veterinary Medicine

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FINISHED WITH  
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#### Office of Admissions and Recruitment

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**THIS IS AUBURN.**