ABOUT ARMSTRONG

Armstrong State University is a dynamic public university in Savannah, Georgia, and part of the University System of Georgia. It was founded in 1935 as Armstrong Junior College to enhance higher educational opportunities in the community.

The college was established by the mayor and aldermen of the City of Savannah and was housed in the Armstrong House, a gift to the city from the family of George F. Armstrong.

Over the years, the college occupied six additional buildings in the Forsyth Park and Monterey Square areas.

In 1959, as Armstrong College of Savannah, it became a two-year unit of the University System of Georgia. The Board of Regents conferred four-year status on Armstrong State College in 1964. Two years later, the college moved to its present 250-acre site, a gift from Donald Livingston and the Mills B. Lane Foundation. Additional buildings joined the six original structures, as Armstrong added professional and graduate programs and quadrupled in size. On July 10, 1996, the institution gained university status.

Today, Armstrong is small enough to foster a genuine sense of community and large enough to offer more than 100 academic programs and majors in the College of Education, College of Health Professions, College of Liberal Arts, and the College of Science & Technology. The academic community includes students from 44 states and 71 countries, nearly 300 full-time faculty members and 300 staff. Armstrong State University has been accredited as a senior institution by the Southern Association of Colleges and Schools since Jan. 1, 1968, and was last reaccredited in December 2013.

MISSION
Armstrong is teaching-centered and student-focused, providing diverse learning experiences and professional programs grounded in the liberal arts.

VISION
Armstrong strives to be an academically selective institution of first choice, recognized nationally for undergraduate, graduate, and professional education.

COLLEGE OF SCIENCE & TECHNOLOGY

ABOUT ARMSTRONG’S COLLEGE OF SCIENCE & TECHNOLOGY

The College of Science and Technology (CST) at Armstrong State University was founded in 2008 and is the second-largest college with respect to declared majors and credit hours. The college houses five departments (Biology, Chemistry and Physics, Computer Sciences and Information Technology, Mathematics and Psychology) and one program (Engineering Studies). These units support 13 bachelor degrees, as well as several Associate degrees and certificates (see: www.armstrong.edu/science-technology/cst-majors-programs) and core science courses. Armstrong has approximately 1,650 declared CST majors, generating about 27,000 credit hours per semester. The CST has a diverse student body, with 39% minority students and 50% percent female students in our declared majors.

FAST FACTS

• Since its inception, CST faculty have been awarded more than $9 million in external funding.
• Most of CST is based in the 129,000-square-foot Science Center, which houses state-of-the-art laboratories and instrumentation.
• 179 CST students presented their research at the 2015 Armstrong Student Scholar Symposium.
• Since 2008, the number of STEM degrees awarded has increased by 50%.
• Last year, students coauthored 30 peer-reviewed publications with their faculty mentors.
• Approximately 2/3 of CST students participate in undergraduate research.
FACULTY
The College of Science & Technology has 93 full-time faculty members who are student-centered, dedicated to excellence in teaching and embody the teacher-scholar model. Our faculty have authored articles in top-tier journals, published books, reviewed for national funding agencies and journals, and won many awards such as Fulbright Scholarships and Governor’s Teaching Fellows.

Many faculty members engage students in active-learning environments in the classroom, such as Process Oriented Guided Inquiry Learning (POGIL) in chemistry, studio physics, flipped classrooms in chemistry, math and engineering, authentic research experience in introductory biology and general chemistry, and engineering faculty designed a Virtual Learning Environment (VLE) that is used as the primary resource in programming courses.

HIGH-IMPACT PRACTICES
The College of Science & Technology is committed to engaging students in high-impact practices while assessing student outcomes. We participate in Armstrong’s First-Year Experience, offering seminar courses coupled to introductory courses in our college. We are committed to undergraduate research in every discipline with students being able to earn credit toward graduation, as well as receive financial support. We operate a successful and competitive Undergraduate Summer Research Session (SRS) aimed at incoming freshman, as well as upper-class students. This program gives students summer pay to work closely in a faculty member’s lab over the summer months. The college also supports and encourages student travel to professional conferences.

Our faculty participate in Armstrong’s Study Abroad Program, taking students to learn in Germany, Jamaica, Ireland and the Czech Republic, among other sites. We organize a variety of internships for students with strategic government, community, and local business partners. Students also engage in community and academic outreach through various societies within the college.

Learning takes place in a friendly, small-college environment, where students can obtain individual help from, and maintain close contact with, professors outside their classes. This small-classroom environment also lends itself to exceptional student access to the latest advances in technology, computers and instrumentation during the student’s time in the college. Capstone courses and research activities are also common throughout the college offering students the opportunity to integrate and apply their knowledge in academic and laboratory settings.

DEPARTMENTS

BIOLOGY
The Department of Biology offers a B.S. in Biology in three tracks: General, Marine Science and Cell/Molecular Biology. Biology also offers prerequisite courses for students seeking admission into programs in the College of Health Professions, and offers courses that contribute to core curriculum. An essential part of the department’s commitment to excellence in undergraduate education is providing diverse opportunities for students to engage in the authentic research. The department supports scholarly and professional activities by its faculty in order to provide these opportunities.

CHEMISTRY AND PHYSICS
The Department of Chemistry and Physics offers a B.S. in Applied Physics, Biochemistry and Chemistry, as well as a B.A. in Chemistry. Applied Physics features three tracks: General, Robotics-Mechatronics and Health Physics. The Biochemistry Program was founded in 2014 and is the only bachelor’s program south of Atlanta in the state of Georgia. The Chemistry Program is accredited by the American Chemical Society (ACS) and offers students a degree option that is certified by the ACS. The department is committed to excellence in teaching, as well as a strong undergraduate research program that supports faculty scholarly activities.

COMPUTER SCIENCE AND INFORMATION TECHNOLOGY
CS/IT offers bachelor degrees in Computer Science and Information Technology, and a M.S. degree in Computer and Information Science. The CS program, accredited by ABET since 1991, is the second such accredited program in the State of Georgia. As the ABET evaluators commented, “A notable strength is the strong student-faculty relationship supported by a highly dedicated and nurturing faculty. … The reputation for personalized high-quality education in a caring and supportive environment is well-known across the state and has been instrumental in attracting and retaining students in the program.”

MATHEMATICS
The Department of Mathematics offers three options for its majors — Pure Mathematics, Applied Mathematics and Mathematics with Teacher Certification — to prepare students for graduate studies in mathematics, a career in a mathematical industry or a career teaching mathematics. Applied mathematics majors can choose a concentration area from a number of science disciplines and can earn a certificate in actuarial sciences. Mathematics faculty members are known for their excellence in teaching, their engagement of undergraduates in research and their outreach to the broader mathematics community.

ENGINEERING STUDIES
The Engineering Studies Program provides students with opportunities to earn an associate of science degree in engineering, participate in internships, enjoy undergraduate research projects with faculty, and transfer to top-ranked engineering programs through the Regents’ Engineering Transfer Program. Faculty are actively engaged in outreach at local schools, run several summer camps and host an Engineering Design Challenge for teams of high school students. Faculty research projects with undergraduate students include 3-D printing, bone repair, sensor systems for physical rehabilitation and virtual learning environments.

PSYCHOLOGY
The Department of Psychology offers students in the B.A. degree program a traditional liberal arts education with an emphasis on the science of behavior and mental processes. Students in this program must complete a supervised community-based internship. The B.S. degree emphasizes research skills and experiences that prepare students for research-based graduate studies. Students work with faculty to design, execute and publish original research. The department is noteworthy for its Behavior Analysis Certification Board-approved course sequence in applied behavior analysis, maintaining an animal lab for pedagogical and research purposes, and offering minors in neuroscience, mental health and organizational psychology.