

# Allen E. Paulson College of Engineering Computing

The Allen E. Paulson College of Engineering and Computing at Georgia Southern University offers both undergraduate and graduate degree programs. At the undergraduate level, the college offers the Bachelor of Science degree programs in Civil Engineering, Computer Science, Construction Management, Electrical Engineering, Computer Engineering, Information Technology, Manufacturing Engineering and Mechanical Engineering. Computer Science and Information Technology are offered on both the Statesboro and Armstrong campuses. The first two years of the Mechanical Engineering program is offered on the Armstrong campus and students must transition to the Statesboro campus to complete the ME degree. The Regents' Engineering Pathway (REP) Program, available on both the Armstrong and Statesboro campuses, is offered as an option for students to complete the first two years of their engineering curriculum at designated Georgia colleges and then transfer to Georgia Southern (or another engineering school in Georgia) based on the availability of a particular major, to complete their BS degree in engineering. The WebBSIT is offered entirely online. At the graduate level, the college offers Master of Science degree programs in Engineering and Computer Science on the Statesboro campus. The Master of Science in Computer Science (MSCS) is offered as a hybrid program with a combination of both online and face to face courses. The College also offers two graduate certificates in Engineering & Manufacturing Management, and Occupational Safety & Environmental Compliance on the Statesboro campus as well.

## Vision

The College of Engineering and Computing will be a nationally recognized leader in engineering, computer science, and information technology in the areas of student-centric and application-based teaching, research, and service.

## Mission

The College of Engineering and Computing will maintain a dynamic and evolutionary environment of excellence in teaching, research, and service in which students, faculty and staff can achieve their professional goals. In these endeavors, the College will foster student-centric professional learning experiences utilizing advanced technologies that are applied with state-of-the-art equipment, inspire innovation and invention, encourage sustainability, and technically and economically enrich our communities and societies.

## College Structure

- Department of Civil Engineering and Construction Management (<http://catalog.georgiasouthern.edu/undergraduate/allen-paulson-engineering-computing/civil-engineering-construction-management>)
- Department of Computer Science (<http://catalog.georgiasouthern.edu/undergraduate/allen-paulson-engineering-computing/computer-science>)
- Department of Electrical and Computer Engineering (<http://catalog.georgiasouthern.edu/undergraduate/allen-paulson-engineering-computing/electrical-computer-engineering>)
- Department of Information Technology (<http://catalog.georgiasouthern.edu/undergraduate/allen-paulson-engineering-computing/information-technology>)
- Department of Manufacturing Engineering (<http://catalog.georgiasouthern.edu/undergraduate/allen-paulson-engineering-computing/manufacturing-engineering>)

- Department of Mechanical Engineering (<http://catalog.georgiasouthern.edu/undergraduate/allen-paulson-engineering-computing/mechanical-engineering>)
- REPP - Regents' Engineering Pathway Program (<http://catalog.georgiasouthern.edu/undergraduate/allen-paulson-engineering-computing/regents-engineering-pathway-program>)

## Experiential Learning Opportunities

### Internships

Internship opportunities are available for all undergraduate programs in the Allen E. Paulson College of Engineering and Computing and are required for students majoring in Construction Management and Information Technology. Internships are supervised experiential learning programs, designed to allow students an opportunity to receive practical experience in their chosen field of study. Students should contact the Associate Dean for Students & Curriculum for further information.

### Cooperative Education

Co-ops allow students the opportunity to gain work experience related to their academic major while earning a salary. To participate in a cooperative education opportunity, a student must have completed at least 30 semester hours of instruction, have a grade point average of at least 2.5, and be willing to participate in a minimum of two alternating co-op work semesters. Work responsibilities and salaries are determined by the employer. Students should contact the Associate Dean for Students & Curriculum for further information.

### Undergraduate Research

Involving undergraduate students in applied, hands-on research activities and projects is a primary focus of the College. College administration and faculty work diligently to provide students with abundant opportunities to engage in research under faculty supervision. Examples of each department's current areas of research are included in the department brochures and web pages. The Dean's Office and corporate sponsors funds student-led research projects which are showcased in the annual Student Research Symposium.

## Programs

### Majors

- Civil Engineering B.S.C.E. (<http://catalog.georgiasouthern.edu/undergraduate/allen-paulson-engineering-computing/civil-engineering-construction-management/civil-engineering-bsce>)
- Computer Engineering B.S.Cp.E. (<http://catalog.georgiasouthern.edu/undergraduate/allen-paulson-engineering-computing/electrical-computer-engineering/computer-engineering-bscpe>)
- Computer Science B.S. (<http://catalog.georgiasouthern.edu/undergraduate/allen-paulson-engineering-computing/computer-science/computer-science-bs>)
- Construction Engineering B.S.Con.E. (<http://catalog.georgiasouthern.edu/undergraduate/allen-paulson-engineering-computing/civil-engineering-construction-management/construction-engineering-bscone>)
- Construction Management B.S.Cons. (<http://catalog.georgiasouthern.edu/undergraduate/allen-paulson-engineering-computing/civil-engineering-construction-management/construction-bscons>)
- Electrical Engineering B.S.E.E. (<http://catalog.georgiasouthern.edu/undergraduate/allen-paulson-engineering-computing/electrical-computer-engineering/electrical-engineering-bsee>)
- Information Technology B.S.I.T (Concentration in Data Science) (<http://catalog.georgiasouthern.edu/undergraduate/allen-paulson-engineering-computing/information-technology/concentration-in-data-science>)