

Allen E. Paulson College of Engineering and Computing

The Allen E. Paulson College of Engineering and Computing (CoEC) at Georgia Southern University started operations on July 1, 2012. The college offers both undergraduate and graduate degree programs. The college offers Bachelor of Science degree programs in Civil Engineering, Computer Science, Construction Management, Electrical Engineering, Information Technology, Manufacturing Engineering and Mechanical Engineering. The Regents' Engineering Pathway Program (REP Program) is also offered as an option for undergraduate students to earn an engineering degree at Georgia Southern or one of four other Georgia institutions that offer engineering degrees. At the graduate level, the college offers the Master of Science in Applied Engineering (MSAE) and the Master of Science in Computer Science (MSCS) degrees. The CoEC also offers two graduate certificates in Engineering & Manufacturing Management (EMM), and Occupational Safety & Environmental Compliance (OSEC). All of which are currently offered only on the Statesboro campus.

The MSAE degree program integrates state-of-the-art technology and interdisciplinary and conceptual science with hands-on, operational skills preparation. The MSAE is designed to meet the growing global demand for engineers who possess leadership skills but also applications experience in consumer, commercial, and industrial fields. The theoretical and research-based curriculum provides excellent preparation for graduates to make an immediate impact on their career and their employers. MSAE students have the option of concentrating in one of five specialized areas of study: Electrical and Electronic Systems, Energy Science, Engineering Management, Information Technology, and Mechatronics.

The MSCS is designed as a hybrid program to allow those with degrees in traditional, non-computing fields, to earn a master's degree in computer science. People currently working in corporate positions, the military, and academia benefit from this flexibility. Also, current undergraduate computer science majors can begin coursework in the MSCS immediately upon earning their bachelor's degree.

The EMM and OSEC certificates can be earned as stand-alone credentials or in addition to the MSAE degree. They provide concentrated study in two important fields in today's commercial and industrial environments.

Vision

The Allen E. Paulson 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 CEIT will foster student-centric professional learning experiences utilizing advanced technologies 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 (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/civil-engineering-construction-management>)
- Department of Computer Science (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/computer-science>)
- Department of Electrical and Computer Engineering (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/electrical-computer-engineering>)
- Department of Information Technology (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/information-technology>)
- Department of Manufacturing Engineering (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/manufacturing-engineering>)
- Department of Mechanical Engineering (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering>)

Experiential Learning Opportunities

Internships

Internships are supervised experiential learning programs, designed to allow students an opportunity to receive practical experience in their chosen field of study. Internships provide rich professional development content and connect students with relevant experiences that enhance their graduate education. Not only do they prepare students for their next steps after graduation, whether that involves a full-time job or furthering their education, internships can provide a means for students to financially support themselves and fund their education. Students should contact Dr. David Williams, Director of REP Program and Co-op Programs in the Allen E. Paulson College of Engineering and Computing Office of the Dean for further information.

Advisement

Graduate students in CoEC are advised by the department's professional advisors and the student's major faculty advisor. For information regarding the MSAE, MSCS or the Graduate Certificate programs, contact Erica Colbert at MSAE@georgiasouthern.edu or MSCS@georgiasouthern.edu.

Programs

Master's

- Applied Engineering M.S.A.E. (Concentration in Advanced Manufacturing Engineering) (Non-Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/manufacturing-engineering/applied-engineering-msae-advanced-manufacturing-engineering-concentration-nt>)
- Applied Engineering M.S.A.E. (Concentration in Advanced Manufacturing Engineering) (Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/manufacturing-engineering/applied-engineering-msae-advanced-manufacturing-engineering-concentration>)
- Applied Engineering M.S.A.E. (Concentration in Civil Engineering and Construction) (Non-Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/civil-engineering-construction-management/applied-engineering-msae-civil-engineering-concentration-nt>)
- Applied Engineering M.S.A.E. (Concentration in Civil Engineering and Construction) (Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/civil-engineering-construction-management/applied-engineering-msae-civil-engineering-concentration>)

- Applied Engineering M.S.A.E. (Concentration in Electrical and Electronic Systems) Non-Thesis (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/electrical-computer-engineering/applied-engineering-msae-electrical-electronic-systems-concentration-nt>)
- Applied Engineering M.S.A.E. (Concentration in Electrical and Electronic Systems) Thesis (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/electrical-computer-engineering/applied-engineering-msae-electrical-electronic-systems-concentration>)
- Applied Engineering M.S.A.E. (Concentration in Energy Science) (Non-Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/applied-engineering-msae-energy-science-concentration-nt>)
- Applied Engineering M.S.A.E. (Concentration in Energy Science) (Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/applied-engineering-msae-energy-science-concentration>)
- Applied Engineering M.S.A.E. (Concentration in Engineering Management) (Non-Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/applied-engineering-msae-engineering-management-concentration-nt>)
- Applied Engineering M.S.A.E. (Concentration in Engineering Management) (Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/applied-engineering-msae-engineering-management-concentration>)
- Applied Engineering M.S.A.E. (Concentration in Information Technology) (Non-Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/information-technology/applied-engineering-msae-information-technology-concentration-nt>)
- Applied Engineering M.S.A.E. (Concentration in Information Technology) (Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/information-technology/applied-engineering-msae-information-technology-concentration>)
- Applied Engineering M.S.A.E. (Concentration in Mechanical Engineering) (Non-Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/applied-engineering-msae-mechanical-engineering-concentration-nt>)
- Applied Engineering M.S.A.E. (Concentration in Mechanical Engineering) (Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/applied-engineering-msae-mechanical-engineering-concentration>)
- Applied Engineering M.S.A.E. (Concentration in Mechatronics) (Non-Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/applied-engineering-msae-mechatronics-concentration-nt>)
- Applied Engineering M.S.A.E. (Concentration in Mechatronics) (Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/applied-engineering-msae-mechatronics-concentration>)
- Civil Engineering M.S.C.E. (Non-Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/civil-engineering-construction-management/civil-engineering-msce-non-thesis>)
- Civil Engineering M.S.C.E. (Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/civil-engineering-construction-management/civil-engineering-msce-thesis>)
- Computer Science M.S. (Hybrid) (Non-Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/computer-science/computer-science-ms-hybrid-nt>)
- Computer Science M.S. (Hybrid) (Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/computer-science/computer-science-ms-hybrid>)
- Electrical Engineering M.S.E.E. (Non-Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/electrical-computer-engineering/electrical-engineering-msee-non-thesis>)
- Electrical Engineering M.S.E.E. (Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/electrical-computer-engineering/electrical-engineering-msee-thesis>)
- Information Technology M.S.I.T. (Non-Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/information-technology/information-technology-msit-non-thesis>)
- Information Technology M.S.I.T. (Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/information-technology/information-technology-msit-thesis>)
- Mechanical Engineering M.S.M.E. (Non-Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/mechanical-engineering-msme-non-thesis>)
- Mechanical Engineering M.S.M.E. (Thesis) (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/mechanical-engineering-msme-thesis>)

Doctoral

No results were found.

Certificates

- Engineering and Manufacturing Management Certificate (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/engineering-manufacturing-management-certificate>)
- Occupational Safety and Environmental Compliance Certificate (<http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/occupational-safety-environmental-compliance-certificate>)

Endorsements

No results were found.

Dean: Mohammad Davoud
 IT Building Room 3400
 P.O. Box 7995
 (912) 478-7412
 E-mail address: mdavoud@georgiasouthern.edu

Associate Dean: Andres Carrano
 Faculty and Research Programs
 IT Building Room 3400
 P.O. Box 7995
 (912) 478-7412
 E-mail address: acarrano@georgiasouthern.edu

Associate Dean: David Williams
 Students and Curriculum
 IT Building Room 3400
 P.O. Box 7995
 (912) 478-7412
 E-mail address: dwilliams@georgiasouthern.edu

Assistant Dean: Ashraf Saad
 Armstrong campus

Science Center Room 206
(912) 344-3084
E-mail address: asaad@georgiasouthern.edu

Director: Reinhold Gerbsch
Industrial Relations
IT Building Room 3400
P.O. Box 7995 (912) 478-5474
E-mail address: rgerbsch@georgiasouthern.edu
(jomalley@georgiasouthern.edu)