



Assistant Professor of Mechanical Engineering—Search #67683
College of Engineering and Computing/Department of Mechanical Engineering

The Department of Mechanical Engineering in the College of Engineering and Computing invites applications and nominations for the position of Assistant Professor of Mechanical Engineering with emphasis in Materials Processing and Material Science. This position is located on the Savannah-Armstrong campus.

Georgia Southern University is the state's largest and most comprehensive center of higher education south of Atlanta. With 141 degree programs at the associate's, bachelor's, master's, and doctoral levels, Georgia Southern is designated a Carnegie Doctoral/Research university and serves more than 27,000 students on three vibrant campuses—the Armstrong campus in Savannah, the Statesboro campus, and the Liberty campus in Hinesville. Georgia Southern offers an attractive campus environment that encourages learning, discovery, and personal growth. Nationally accredited academic programs prepare diverse scholars for leadership and service as working citizens.

Since 1906, the University's hallmark has been a culture of engagement that bridges theory with practice, extends the learning environment beyond the classroom, and promotes student growth and life success. Central to the University's mission is the faculty's dedication to excellence in teaching and the development of a fertile learning environment exemplified by a free exchange of ideas, high academic expectations, and individual responsibility for academic achievement. Faculty, staff, and students embrace core values expressed through integrity, civility, kindness, collaboration, and a commitment to lifelong learning, wellness, and social responsibility.

Within this setting, the Department of Mechanical Engineering, which has 27 permanent faculty positions and over 1,100 students, offers undergraduate courses in the traditional sub-disciplines of mechanical engineering (energy science, materials and manufacturing processes, mechatronics, design and analysis), general engineering sciences, and graduate courses leading to a Master of Science in Applied Engineering (MSAE). Both the curricular and the research activities of the faculty have a strong applied emphasis, bridging theory with practice, extending the learning environment beyond the classroom, and offering a student-centered environment enhanced by technology and transcultural experiences within private and public partnerships. The successful candidate is expected to contribute to the mission of the department by developing and teaching undergraduate and graduate-level lecture and laboratory courses; establish a funded research program that involves university colleagues, regional industry, and both graduate and undergraduate students; and engage in academic and professional service that technically and economically enriches our various communities and societies.

Position Description. Reporting to the department chair on the Statesboro campus, the assistant professor in Mechanical Engineering with an emphasis on Materials Processing and Design will be required to develop and teach undergraduate and graduate courses (lecture and laboratory); develop a successful research program (including writing and managing grants, obtaining external funding, and preparing peer reviewed scholarly publications) that engages both graduate and undergraduate students; supervise master's theses and undergraduate projects; assist in academic and professional mentoring of graduate and undergraduate students; participate in program assessment and execution of a continuous improvement plan; and participate in academic and professional service

activities. The position is a 9/10-month, tenure-track appointment, and the salary is competitive and commensurate with qualifications and experience.

Required Qualifications:

- Earned Ph.D., D.Eng., or equivalent terminal degree in Mechanical Engineering or a closely related field by August 1, 2019
- B.S. (or equivalent) degree in Mechanical Engineering or a closely related discipline
- Effective English communication skills (verbal and written)
- Ability to develop and teach lectures and laboratories at the graduate and undergraduate levels in the discipline
- Potential to develop a viable research program in the specified discipline
- Authorization to work in the United States for the duration of employment without assistance from the institution

Preferred Qualifications:

- An ability to teach undergraduate and graduate lecture and laboratory courses such as Materials Processing (machining and fabrication), CNC Machining, Materials Science, Metallurgy, Composite Materials, Machine Design, Engineering Mechanics, Engineering Design Case Studies, Solid Modeling and Analysis, Finite Element Methods, and Engineering Graphics
- Working knowledge of Solid Works, ANSYS, AutoCAD, Labview, MATLAB, Excel-Visual Basic or similar engineering software

Screening of applications begins 25 March 2019, and continues until the position is filled. The preferred position starting date is 01 August 2019. A complete application consists of a letter addressing the qualifications cited above; a curriculum vitae; and the names, addresses, telephone numbers, and email addresses of at least five professional references. Other documentation may be requested. Only complete applications submitted electronically will be considered. Finalists will be required to submit to a background investigation. Applications and nominations should be sent to:

Dr. Gustavo Molina, Search Chair, Search #67683
Georgia Southern University
Electronic mail: gmolina@georgiasouthern.edu
Telephone: 912-478-0125

More information about the institution is available through <http://www.georgiasouthern.edu> or <https://cec.georgiasouthern.edu/mechanical-engineering/degrees/bsme/>. Georgia Southern University seeks to recruit individuals who are committed to working in diverse academic and professional communities and who are committed to excellence in teaching, scholarship, and professional service within the University and beyond. The names of applicants and nominees, vitae, and other non-evaluative information may be subject to public inspection under the Georgia Open Records Act. Georgia Southern University is an Affirmative Action, Equal Opportunity institution. Individuals who need reasonable accommodations under the ADA to participate in the search process should contact the Vice Provost.