



## EMPLOYMENT OPPORTUNITY Morehead State University

### Research Engineer (Spacecraft Systems)

Morehead State University, located in Morehead, Kentucky in the foothills of the Appalachian Mountains, is recognized as one of the top public universities in the South by U.S. News & World Report. MSU continues to be much more as it strives toward becoming an even greater institution while making a lasting impact on the students of Eastern Kentucky and beyond. We are always looking for quality employees to help the University aspire to be the best public regional university in the South. We are accepting applications for a full-time standing position as a **Research Engineer (Spacecraft Systems)** in the Space Science Center.

**Responsibilities:** Assists in the effort to design, develop, and test nanosatellites and nanosatellite system. Supports space systems development projects undertaken by the Center by providing engineering design, development, fabrication, integration, and testing efforts related to space systems. Develops grant proposals to facilitate research goals established by the Center. Serves as assisting engineer on NASA and DoD contracts and assists in design efforts and reviews (requirements reviews, engineering design reviews, etc.), develops documentation related to these reviews, and attends and participates in technical interchange meetings with partners (government and private aerospace sector). Works to establish collaborative relationships and partnerships with NASA and the private aerospace community. Supports special projects (i.e. grants and contract projects) undertaken by the Center by providing engineering designs, specifically related to grant and contract development, implementation and reporting. Mentors undergraduate student research and design projects for students and engages in activities that promote the space program at MSU. Teaches classes in space science, space systems development, and astronautical engineering.

**Qualifications:** The Research Engineer will hold a Master's (required) in aerospace engineering, astronautical engineering, space science, space systems, or related discipline. At least 1 year of experience in satellite or other space systems development or satellite mission support is required. Familiarity and experience with spacecraft environmental testing that typically is required of small aerospace vehicles is required. The candidate should have skills in using software packages for mathematical analysis such as MatLab, Mathcad, Excel, etc. The ability to write coherently is a must.

**Desired Qualifications:** Ph.D. in astronautical engineering, space science, space systems, or related discipline preferred. Experience in space systems design in either government or the private sector is preferred. An established record of publication in refereed journals is desired. Experience in grants and contract development from federal agencies is desirable. Competence in CAD design and layout programs such as Solidworks and Autocad is desirable. Computer programming skills are desirable. Knowledge of control systems is desirable.

Review of applications will begin on **November 25, 2016**, and will continue until the position is filled. To apply, visit: <https://moreheadstate.peopleadmin.com> to complete the MSU Application for Employment and upload a curriculum vita with three references, cover letter, transcripts (unofficial), statement of research interests, and evidence of teaching ability. Contact the Office of Human Resources at (606) 783-2097 should you have questions about our online application. MSU is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply.