

National Aeronautics and
Space Administration

Glenn Research Center
Lewis Field
Cleveland, Ohio 44135-3191



Mechanical/Structural Engineer Student Trainee Position

Research and Technology Directorate (R)
NASA Glenn Research Center, Cleveland, OH

- Job Description:** Co-op student will perform materials or chemical engineering duties by rotating semesters into various branches in the Research and Technology Directorate (R-5000). Assignments will match students' interests and the organizations' needs. Possible assignments may be in the the Life Prediction Branch (RSL-5920), the Structural Mechanics and Dynamics Branch (RSS-5930), the Mechanical Components Branch (RSM-5950) and the Tribology and Surface Science Branch (RST-5960), the Advanced Electrical Systems Branch (RPE-5450) and the Thermal Energy Conversion Branch (RPT-5490). The student will work closely with researchers in the branches to develop and test the structural integrity of advance high temperature materials, perform structural dynamic test and simulations for engine spacecraft components, perform tests on drive train systems for new propulsion concepts, develop advanced seals and bearing technologies, and develop/analyze lubricants for aerospace applications. The student will perform both computational simulation and experimental research, which may include defining simulation requirements and experimental hardware, as well as conducting device fabrication and testing. Complexity of tests and simulations will increase as the student gains experience
- Length of Position:** Alternating quarters/semesters until graduation.
- Job Openings:** 1 open position
- Minimum Eligibility:** Junior in Mechanical, Structural or Aerospace Engineering
GPA 3.0 (4.0 scale)
United States Citizen
Enrolled as a full-time student
Enrolled in university's co-op program
Must be recommended by appropriate staff member at University.
Major field of study should match Branch assignments listed above.
- Salary Range:** Based on 2004 Office of Personnel Management salary table:
\$11.67 - \$14.55 per hour (undergraduate student)
\$16.17 per hour + (graduate student)
- Closing Date:** Until filled