

National Aeronautics and  
Space Administration



**Glenn Research Center**  
**Lewis Field**  
Cleveland, Ohio 44135-3191

Aerospace Engineering Student Trainee Position  
Systems Analysis Division (PB)  
Space Propulsion and Mission Analysis Office (PBM)  
NASA Glenn Research Center, Cleveland, OH

**Job Description:** Co-op student will perform engineering duties in the Space Propulsion and Mission Analysis Office of the Glenn Research Center's Systems Analysis Division. The student will perform theoretical and computational analyses in the areas of aerospace and space mission design. The student will use orbital mechanics, rocket propulsion physics, and numerical methods for integrating differential equations, performing trajectory optimization, determining mission performance of space vehicles utilizing advanced propulsion systems, and will be involved in using and writing/updating excel and Fortran software tools. The student will work closely with senior personnel. Complexity of tasks will be increased as the student gains experience.

**Length of Position:** Alternating quarters/semesters until graduation

**Job Openings:** 1 position available

**Eligibility:**

- Junior in Mechanical, Aerospace Engineering, or Astrodynamics
- Minimum entry GPA 3.0 (4.0 scale)
- United States Citizen
- Enrolled as a full-time student
- Enrolled in the university's co-op program
- Must be recommended by appropriate staff member at the University.

**Salary Range:** Based on 2004 OPM salary table  
\$11.67 - \$14.55 (undergraduate student)  
\$16.17 (graduate student)

**Closing Date:** Until filled