

# 02:45-03:15 Aerospace Engineer GS11, graduate degree

## **Duties**

Applies knowledge of space physics (e.g. ionizing radiation, plasma charging, neutral thermosphere, solar illumination, and thermal environments) in support of aerospace vehicle design, development and operations.

Participates in a broad range of inter-disciplinary development and design activities focusing on the space environment and its effect on launch vehicle and spacecraft systems.

Applies knowledge of the sun and its influence on the near-Earth and interplanetary space environment in order to help solve engineering problems related to operating in the space environment.

Utilizes space environment data from multiple spacecraft to improve understanding of the space environment.

## **Job Requirements**

### **Qualifications**

All candidates for Distinguished Scholar appointments qualify on the basis of education. Candidates must meet the required grade level criteria and must have received the qualifying degree from an accredited university within two years of the date of appointment.

#### **GS-11 LEVEL**

A. Achieve a cumulative grade point average of 3.5 or higher on a 4.0 scale in graduate coursework in the field for the position.

#### **IN CONJUNCTION WITH B OR C**

B. Completion of all requirements for a doctoral degree (Ph.D. or equivalent) in an appropriate field;

OR

C. Completion of three full academic years of graduate education in an appropriate field.

Basic Education Requirement: A minimum of a master's degree from an accredited college or university with major study in Aeronautical Engineering, Aeronautics, Aerospace Engineering, Astronautical Engineering, Astronautics, Astronomy, Astrophysics, Biomedical Engineering, Ceramic Engineering, Ceramics, Chemical Engineering, Chemistry, Civil Engineering, Computer Engineering, Computer Science\*, Earth and Planetary Science, Electrical Engineering, Electronics Engineering, Geology, Geophysics, Industrial Engineering, Materials Engineering, Materials Science, Mathematics (Pure or Applied), Applied Mechanics, Engineering Mechanics, Mechanical Engineering, Metallurgical Engineering, Metallurgy, Meteorology, Nuclear Engineering, Nuclear Engineering Physics, Oceanography, Optical Engineering, Physics, Applied Physics, Engineering Physics, Space Science, Structural Engineering, Welding Engineering or other appropriate physical science or engineering field. Degrees in engineering technology are not considered to be qualifying for this position. \*Note: Curriculum must include 30 semester hours of course work in a combination of mathematics, statistics and computer science. Of the 30 semester hours, 15 must be in any combination of statistics and mathematics which includes differential and integral calculus.