



Science Research Specialist I

Salary Grade: 13

Item Number: PHILSAB-SRAS1-25-2020

Division: Spacecraft Payload and Communications Systems Development Division

Minimum Qualification Standards:

Education: Bachelor's degree relevant to the job

Experience: None required

Training: None required

Eligibility: Career Service (Professional) / Second Level Eligibility

Duties and Responsibilities:

- 1) Under general supervision, perform design, prototyping and/or development of modules for payload systems and/or communications systems;
- 2) Assist in designing, developing, testing, and integrating communication subsystems for telemetry, tracking & control, data downlink and payloads for satellites and spacecraft in support of space missions;
- 3) Prepare the technical specifications of goods and services for procurement and/or manufacturing requirements;
- 4) Monitor progress and prepare status reports on ongoing programs, projects, and activities;
- 5) Attend seminars, symposia, and other structured gatherings related to advanced space science and technology and other areas of concern related to development; and
- 6) Perform other duties of a regular or special nature as may be assigned from time to time.

Applicants who have all or any of the following background are encouraged to apply:

Educational Background:

- Bachelor's degree in engineering and sciences such as in Aerospace Engineering, Electronics Engineering, Electrical Engineering, Physics, or other allied fields.

Experience and Training Background:

- Designing, developing, and testing RF/communications systems
- Electromagnetic analysis software (e.g., ANSYS HFSS, FEKO and CST)
- RF/microwave circuit design and analysis software
- Satellite engineering or project experience/training is a plus

Competencies:

- Proactive and takes prompt action to accomplish tasks and meet goals and objectives in a timely manner.
- Thorough, pays close attention to detail, and strives to achieve accuracy and consistency in all tasks.
- Develops and maintains positive work relationships with others.
- Willingness to learn and acquire diverse skills over different fields.
- Proficient in any of Embedded C, Matlab or ECAD Design and Layout Software
- Familiarity or proficiency in a mechanical CAD software is a plus



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